Software Requirements Specification: Project Scope, objectives, users, functional requirements, and non-functional requirements.

Project Scope

The project consists of the development of a Software as a Service (SaaS) platform designed to manage and automate energy projects processes.

The system will provide a web-based interface for authorized users to access the platform, manage data, perform operations and interact with the system through secure APIs.

The scope includes user management, data management, reporting features and system administration tools. Mobile applications and third-party integrations outside the defined APIs are considered out of scope unless specified in future phases.

Objectives

- Provide a centralized platform for managing business processes.
- Improve operational efficiency by automating repetitive tasks.
- Provide secure access to system data through role-based authentication.
- Enable scalability to support increasing numbers of users and data.
- Provide reliable APIs for integration with external systems.

Users

User Type	Description
Administrator	Manages system configuration, users and permissions
Land delegate	Access to data information in the projects that owns
Land manager	Performs operational tasks in the projects that owns except reports and administration
Legal	Document validation
Financial	Access to financial information

Non-Functional Requirements

Performance

- API response time < 2 seconds
- System supports concurrent users

Security

- All communication via HTTPS

- Authentication via JWT
- Role-based access control

Availability

- System availability target: 99.9% uptime

Data Protection

- Daily backups
- Encryption at rest (personal data as Password, Address or telephone number)

Compliance

- Compliance with applicable data protection regulations (ISO 27001)

System Architecture Diagram: Outline the high-level infrastructure, backend services, database structures and cloud service provider choices and cloud resources.

System Architecture Overview

High-Level Architecture

The system follows a **client–server architecture** based on a REST API, where the web application communicates with a backend developed in **.NET 8**, which manages business logic and access to a **Microsoft SQL Server** database.

Authentication and authorization are handled via **JSON Web Tokens (JWT)** issued by the backend upon successful user credential verification.

Architecture Flow

User
|
v
Web Frontend (Browser)
|
v
Authentication Request
|
v
Backend API (.NET 8)
|
v
SQL Server Database

Once authenticated:

User
|
Frontend Application
|
JWT Token
|
Backend API (.NET 8)
|
Business Logic
|
SQL Server Database

Authentication Architecture

The system uses **JSON Web Token** for secure authentication and authorization.

Authentication Flow:

1. The user enters credentials in the web login form.
2. The frontend sends the credentials to the API authentication endpoint.
3. The backend validates the credentials against the database.
4. Passwords are stored in the database in **hashed/encrypted form**.
5. If credentials are valid:
    - the backend generates a **JWT token**
    - the token is returned to the frontend.
6. The frontend includes the token in subsequent API requests.
7. The backend validates the token on each request before processing.

Backend Services

The backend is implemented as a **REST API** built with **.NET 8**.

Responsibilities:

- User authentication and token generation
- Request validation
- Business logic execution
- Database access

The API is **not publicly exposed** and is only accessible from the web frontend.

Database Layer

The system uses **Microsoft SQL Server** as its relational database.

Responsibilities:

- Storing user accounts and credentials
- Persisting system data and transactions
- Maintaining relational integrity via primary and foreign keys

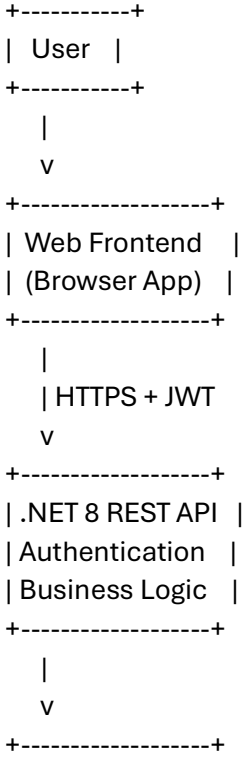
Passwords and personal data are securely **hashed** for storage.

Security Considerations

Key security measures implemented:

- Authentication via **JWT tokens**
- Secure password storage with **hashing**
- API inaccessible from external networks
- Token validation for every request
- Frontend-controlled access
- Secure communication over **HTTPS**

Suggested Diagram for Client



| SQL Server DB |
| Users / Data |
+-------------------+

Database Schema Design

```
CREATE TABLE [dbo].[Alertas](
	[CodAlerta] [int] NOT NULL,
	[CodTipoAlerta] [tinyint] NOT NULL,
	[CodEntidad] [int] NOT NULL,
	[Entidad] [nvarchar](50) NOT NULL,
	[Descripcion] [nvarchar](150) NOT NULL,
	[Descripcion_en] [nvarchar](150) NULL,
	[URL] [nvarchar](30) NOT NULL,
 CONSTRAINT [PK_Alertas] PRIMARY KEY CLUSTERED
(
	[CodAlerta] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Alertas_Tipos]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Alertas_Tipos](
	[CodTipoAlerta] [tinyint] NOT NULL,
	[CodEntidadAfectada] [tinyint] NOT NULL,
	[CodRoles] [nvarchar](10) NOT NULL,
	[Descripcion] [nvarchar](100) NOT NULL,
```

```
	[Descripcion_en] [nvarchar](100) NOT NULL,
	[NivelAlerta] [tinyint] NOT NULL,
 CONSTRAINT [PK_Alertas_Tipos] PRIMARY KEY CLUSTERED
(
	[CodTipoAlerta] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_Autorizacion]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_Autorizacion](
	[CodAutorizacion] [tinyint] NOT NULL,
	[Autorizacion] [nvarchar](50) NOT NULL,
 CONSTRAINT [PK_BOT_Autorizacion] PRIMARY KEY CLUSTERED
(
	[CodAutorizacion] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_BOE_Resolucion]    Script Date: 11/03/2026 10:51:06
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_BOE_Resolucion](
```

[Id] [int] IDENTITY(1,1) NOT NULL,

[CodNudo] [int] NULL,

[IdentificadorBoe] [nvarchar](100) NULL,

[OrganismoEstado] [nvarchar](200) NOT NULL,

[NumeroBoe] [nvarchar](50) NULL,

[Publicado] [datetime2](7) NOT NULL,

[Resuelto] [datetime2](7) NULL,

[CodFase] [tinyint] NOT NULL,

[DIA] [int] NOT NULL,

[AAP] [int] NOT NULL,

[AAC] [int] NOT NULL,

[DUP] [int] NOT NULL,

[DIAObservaciones] [nvarchar](max) NULL,

[MotivoDesestimacion] [nvarchar](max) NULL,

[TipoResolucion] [nvarchar](200) NULL,

[ProyectoHibridacion] [nvarchar](200) NULL,

[ExpedienteRelacionado] [nvarchar](200) NULL,

[TipoInstalacion] [nvarchar](200) NULL,

[CodComunidad] [tinyint] NULL,

[Provincia] [nvarchar](200) NULL,

[TerminoMunicipal] [nvarchar](200) NULL,

[CodPromotor] [nvarchar](200) NULL,

[Titulo] [nvarchar](max) NULL,

[NombreProyecto] [nvarchar](500) NULL,

[Subestaciones] [nvarchar](max) NULL,

[TransporteDistribucion] [nvarchar](max) NULL,

[MW] [decimal](18, 2) NULL,

[PotenciaNominal] [decimal](18, 2) NULL,

[PotenciaAlmacenamiento] [decimal](18, 2) NULL,

[CapacidadAlmacenamientoMWh] [decimal](18, 2) NULL,

[Enlace] [nvarchar](500) NULL,

```
	[CodigoProyecto] [nvarchar](200) NOT NULL,
 CONSTRAINT [PK__BOT_BOER__3214EC079F9F97BE] PRIMARY KEY CLUSTERED
(
	[Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_Empresas]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_Empresas](
	[CodEmpresa] [int] IDENTITY(1,1) NOT NULL,
	[Nombre] [varchar](100) NULL,
 CONSTRAINT [PK_BOT_Empresas] PRIMARY KEY CLUSTERED
(
	[CodEmpresa] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_Fases]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_Fases](
	[CodFase] [tinyint] NOT NULL,
```

```
	[Fase] [nvarchar](22) NOT NULL,
 CONSTRAINT [PK_BOT_Fases] PRIMARY KEY CLUSTERED
(
	[CodFase] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_Promotores]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_Promotores](
	[CodPromotor] [int] IDENTITY(1,1) NOT NULL,
	[CodEmpresa] [int] NULL,
	[Nombre] [nvarchar](200) NOT NULL,
 CONSTRAINT [PK_BOT_Promotores] PRIMARY KEY CLUSTERED
(
	[CodPromotor] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_REE_Nudos]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_REE_Nudos](
```

```
	[CodNudo] [int] IDENTITY(1,1) NOT NULL,
	[CodComunidad] [tinyint] NOT NULL,
	[Nudo] [nvarchar](100) NOT NULL,
	[Tension] [nvarchar](100) NOT NULL,
	[Latitud] [decimal](12, 8) NULL,
	[Longitud] [decimal](12, 8) NULL,
 CONSTRAINT [PK_BOT_REE_Nudos] PRIMARY KEY CLUSTERED
(
	[CodNudo] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[BOT_REE_Nudos_Info]    Script Date: 11/03/2026 10:51:06
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOT_REE_Nudos_Info](
	[CodNudo] [int] NOT NULL,
	[Mes] [tinyint] NOT NULL,
	[Año] [int] NOT NULL,
	[RedTransporte] [tinyint] NOT NULL,
	[RedAlmacenamiento] [tinyint] NOT NULL,
	[WSCR_CapacidadAcceso] [int] NULL,
	[WSCR_Binudos] [nvarchar](30) NULL,
	[WSCR_Afeccion] [nvarchar](200) NULL,
	[WSCR_MargenNoOcupado] [int] NULL,
	[CEG_Capacidad] [int] NULL,
	[CEG_ZonaCompartida] [nvarchar](200) NULL,
```

[CEG_MargenNoOcupado] [int] NULL,

[CEA_Capacidad] [int] NULL,

[CEA_ZonaCompartida] [nvarchar](200) NULL,

[CEA_MargenNoOcupado] [int] NULL,

[CD_Capacidad] [int] NULL,

[CD_ZonaCompartida] [nvarchar](200) NULL,

[CD_LimitacionInterna] [int] NULL,

[CD_MargenNoOcupado] [int] NULL,

[SNCAO_MGE] [int] NULL,

[SNCAO_MGES] [int] NULL,

[SNCAO_MPEConWSCR] [int] NULL,

[SNCAO_MPESinWSCR] [int] NULL,

[SNCAO_GEN] [int] NULL,

[SNCAO_ALM] [int] NULL,

[MCAT_Generacion_MGES] [int] NULL,

[MCAT_Generacion_MPE] [int] NULL,

[MCAT_Almacenamiento_MGES] [int] NULL,

[MCAT_Almacenamiento_MPE] [int] NULL,

[Criterios_Limitantes_Generacion_MGES] [nvarchar](200) NULL,

[Criterios_Limitantes_Generacion_MPE] [nvarchar](200) NULL,

[Criterios_Limitantes_Almacenamiento_MGES] [nvarchar](200) NULL,

[Criterios_Limitantes_Almacenamiento_MPE] [nvarchar](200) NULL,

[CAND_Generacion_MGES] [int] NULL,

[CAND_Generacion_MPE] [int] NULL,

[CAND_Almacenamiento_MGES] [int] NULL,

[CAND_Almacenamiento_MPE] [int] NULL,

[CAND_MotivoCapacidadNoDisponible] [nvarchar](250) NULL,

[CAD_Generacion_MGESRDT] [int] NULL,

[CAD_Generacion_MPERDT] [int] NULL,

[CAD_Generacion_MGESRDD] [int] NULL,

[CAD_Generacion_MPERDD] [int] NULL,

```
	[CAD_Almacenamiento_MGESRDT] [int] NULL,
	[CAD_Almacenamiento_MPERDT] [int] NULL,
	[CAD_Almacenamiento_MGESRDD] [int] NULL,
	[CAD_Almacenamiento_MPERDD] [int] NULL,
	[Motivo_Reserva_Capacidad] [nvarchar](200) NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Catastro_Mapeo]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Catastro_Mapeo](
	[CodComunidad] [tinyint] NULL,
	[Comunidad] [varchar](50) NULL,
	[CodProvincia] [tinyint] NULL,
	[Provincia] [varchar](50) NULL,
	[CodMunicipioINE] [int] NULL,
	[CodMunicipio] [int] NULL,
	[Municipio] [varchar](150) NULL,
	[MunicipioViejo] [varchar](50) NULL,
	[Hoja] [varchar](50) NULL,
	[Agregado] [varchar](50) NULL,
	[Zona] [varchar](50) NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Comentarios]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Comentarios](
	[CodComentario] [bigint] IDENTITY(1,1) NOT NULL,
	[CodUsuario] [int] NOT NULL,
	[CodTipoComentario] [tinyint] NOT NULL,
	[CodPropietario] [int] NULL,
	[CodParcela] [int] NULL,
	[CodMotivo] [int] NOT NULL,
	[CodCanal] [int] NOT NULL,
	[Valoracion] [tinyint] NOT NULL,
	[MotivoLibre] [nvarchar](250) NULL,
	[Comentario] [nvarchar](1000) NOT NULL,
	[FechaComentario] [datetime2](0) NOT NULL,
	[FechaCreacion] [datetime2](0) NOT NULL,
 CONSTRAINT [PK_Comentarios] PRIMARY KEY CLUSTERED
(
	[CodComentario] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Comunidades]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Comunidades](
	[CodComunidad] [tinyint] NOT NULL,
	[Comunidad] [nvarchar](50) NOT NULL,
 CONSTRAINT [PK_Comunidades] PRIMARY KEY CLUSTERED
(
	[CodComunidad] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Contratos]    Script Date: 11/03/2026 10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Contratos](

        [CodContrato] [int] IDENTITY(1,1) NOT NULL,

        [CodProyecto] [int] NULL,

        [CodTipoContrato] [tinyint] NOT NULL,

        [CodSociedad] [tinyint] NULL,

        [FechaFirma] [date] NOT NULL,

        [Importe] [decimal](8, 2) NULL,

        [ImporteOT] [decimal](8, 2) NULL,

        [Vigencia] [int] NOT NULL,

        [Prorroga] [int] NULL,

        [CodTipoPago] [tinyint] NULL,

        [CodHito11] [tinyint] NULL,

        [Meses11] [tinyint] NULL,

        [CodHito12] [tinyint] NULL,

        [Meses12] [tinyint] NULL,

        [Porcentaje11] [tinyint] NULL,

        [Porcentaje12] [tinyint] NULL,

        [CodHito21] [tinyint] NULL,

        [Meses21] [tinyint] NULL,

        [CodHito22] [tinyint] NULL,

        [Meses22] [tinyint] NULL,

        [Porcentaje21] [tinyint] NULL,
```

```
	[Porcentaje22] [tinyint] NULL,
	[DocumentPath] [nvarchar](100) NULL,
	[Observaciones] [nvarchar](250) NULL,
 CONSTRAINT [PK_Contratos] PRIMARY KEY CLUSTERED
(
	[CodContrato] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Contratos_Adendas]    Script Date: 11/03/2026 10:51:06
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Contratos_Adendas](
	[CodAdenda] [int] IDENTITY(1,1) NOT NULL,
	[CodContrato] [int] NOT NULL,
	[Fecha] [datetime] NOT NULL,
	[Superficie] [bit] NOT NULL,
	[Importe] [bit] NOT NULL,
	[Plazo] [bit] NOT NULL,
	[Titularidad] [bit] NOT NULL,
	[Otros] [bit] NOT NULL,
 CONSTRAINT [PK_Contratos_] PRIMARY KEY CLUSTERED
(
	[CodAdenda] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
```

```
GO

/****** Object:  Table [dbo].[Contratos_Anticipos]    Script Date: 11/03/2026 10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Contratos_Anticipos](

	[CodAnticipo] [int] IDENTITY(1,1) NOT NULL,

	[CodContrato] [int] NOT NULL,

	[Fecha] [date] NOT NULL,

	[Importe] [decimal](8, 2) NOT NULL,

	[CodTipoPago] [tinyint] NOT NULL,

	[Vigencia] [tinyint] NOT NULL,

	[Prorroga] [tinyint] NULL,

 CONSTRAINT [PK_Contratos_Anticipos] PRIMARY KEY CLUSTERED

(

	[CodAnticipo] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Contratos_Documentos]    Script Date: 11/03/2026 10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Contratos_Documentos](

	[CodDocumento] [int] IDENTITY(1,1) NOT NULL,

	[CodContrato] [int] NOT NULL,
```

```
	[CodTipoDocumento] [tinyint] NULL,
	[Documento] [nvarchar](80) NOT NULL,
	[Fecha] [datetime] NOT NULL,
	[CodUsuario] [int] NOT NULL,
	[CodTipoFormato] [tinyint] NOT NULL,
	[Obs] [nvarchar](100) NULL,
 CONSTRAINT [PK_Contratos_Documentos] PRIMARY KEY CLUSTERED
(
	[CodDocumento] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Contratos_Facturas]    Script Date: 11/03/2026 10:51:06
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Contratos_Facturas](
	[CodFactura] [int] IDENTITY(1,1) NOT NULL,
	[CodContrato] [int] NOT NULL,
	[CodPropietario] [int] NOT NULL,
	[NumFactura] [nvarchar](10) NOT NULL,
	[Fecha] [date] NOT NULL,
	[Concepto] [nvarchar](50) NOT NULL,
	[Importe] [decimal](8, 2) NOT NULL,
	[Alcance1] [date] NOT NULL,
	[Alcance2] [date] NOT NULL,
	[Documento] [nvarchar](50) NOT NULL,
	[Justificante] [nvarchar](50) NOT NULL,
```

```
	[Hito] [tinyint] NULL,
	[FechaRecepcion] [date] NULL,
	[FechaSolicitudPago] [date] NULL,
	[FechaPago] [date] NULL,
	[Observaciones] [nvarchar](50) NOT NULL,
	[EsPago] [bit] NOT NULL,
 CONSTRAINT [PK_Facturas] PRIMARY KEY CLUSTERED
(
	[CodFactura] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Contratos_Pagos]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Contratos_Pagos](
	[CodPago] [int] IDENTITY(1,1) NOT NULL,
	[CodContrato] [int] NULL,
	[CodPropietario] [int] NULL,
	[Fecha] [date] NULL,
	[Importe] [decimal](8, 2) NULL,
	[ModoPago] [tinyint] NULL,
	[Obs] [nvarchar](264) NULL,
 CONSTRAINT [PK_Parcelas_Pagos] PRIMARY KEY CLUSTERED
(
	[CodPago] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Contratos_Parcelas]    Script Date: 11/03/2026 10:51:06
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Contratos_Parcelas](

        [CodContrato] [int] NOT NULL,

        [CodParcela] [int] NOT NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Contratos_Provisiones_Pagos]    Script Date: 11/03/2026
10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Contratos_Provisiones_Pagos](

        [CodPedido] [int] NOT NULL,

        [CodPago] [int] NOT NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[coordenadas_proyectos]    Script Date: 11/03/2026 10:51:06
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO
```

```
CREATE TABLE [dbo].[coordenadas_proyectos](
	[CodProyecto] [tinyint] NULL,
	[Proyecto] [varchar](50) NULL,
	[Latitud] [varchar](50) NULL,
	[Longitud] [varchar](50) NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Costes_Ocupaciones_Configuracion]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Costes_Ocupaciones_Configuracion](
	[CodConfiguracionOcupacionCostes] [int] IDENTITY(1,1) NOT NULL,
	[CodComunidad] [tinyint] NULL,
	[Pleno_Dominio] [decimal](10, 2) NULL,
	[Servidumbre_Vuelo] [decimal](10, 2) NULL,
	[Servidumbre_Paso] [decimal](10, 2) NULL,
	[Servidumbre] [decimal](10, 2) NULL,
	[Ocupacion_Temporal] [decimal](10, 2) NULL,
	[Plantas_Fotovoltaicas] [decimal](10, 2) NULL,
	[Planta_Almacenamiento] [decimal](10, 2) NULL,
	[Extra] [decimal](10, 2) NULL,
PRIMARY KEY CLUSTERED
(
	[CodConfiguracionOcupacionCostes] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
/****** Object:  Table [dbo].[Elementos]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Elementos](
	[CodElemento] [int] IDENTITY(1,1) NOT NULL,
	[CodTipoElemento] [tinyint] NOT NULL,
	[Descripcion] [nvarchar](40) NOT NULL,
	[CodTipoSuelo] [tinyint] NULL,
	[Unidad] [nvarchar](2) NOT NULL,
 CONSTRAINT [PK_Elementos] PRIMARY KEY CLUSTERED
(
	[CodElemento] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Elementos_Tipos]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Elementos_Tipos](
	[CodTipoElemento] [tinyint] IDENTITY(1,1) NOT NULL,
	[Descripcion] [nvarchar](30) NULL,
 CONSTRAINT [PK_Elementos_Constructivos_Tipos] PRIMARY KEY CLUSTERED
(
	[CodTipoElemento] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Elementos_Tipos_Proyectos_Tipos]    Script Date: 11/03/2026
10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Elementos_Tipos_Proyectos_Tipos](

        [CodTipoElemento] [tinyint] NOT NULL,

        [CodTipoProyecto] [tinyint] NOT NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Escrituras]    Script Date: 11/03/2026 10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Escrituras](

        [CodEscritura] [int] IDENTITY(1,1) NOT NULL,

        [CodPadre] [int] NULL,

        [CodNotario] [int] NOT NULL,

        [CodSociedad] [tinyint] NOT NULL,

        [RatificacionReq] [bit] NULL,

        [FechaDocEnviadaNotario] [date] NULL,

        [FechaEscrituraPublica] [date] NULL,

        [FechaEscrituraRecibidaNotario] [date] NULL,

        [DocumentoEscrituraNotario] [nvarchar](30) NULL,

        [FechaEscrituraEnviadaCentral] [date] NULL,
```

```
	[NumProtocolo] [nvarchar](20) NULL,
	[ObsNotario] [nvarchar](200) NULL,
	[FechaLiquidacion] [date] NULL,
	[ImporteLiquidacion] [decimal](8, 2) NULL,
	[DocumentoLiquidacion] [nvarchar](30) NULL,
	[CodRegistro] [int] NULL,
	[FechaDocEnviadaRegistro] [date] NULL,
	[FechaRegistro] [date] NULL,
	[NumRegistro] [nvarchar](20) NULL,
	[DocumentoRegistro] [nvarchar](30) NULL,
	[ObsRegistro] [nvarchar](200) NULL,
 CONSTRAINT [PK_Contratos_Escrituras] PRIMARY KEY CLUSTERED
(
	[CodEscritura] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Escrituras_Contratos]    Script Date: 11/03/2026 10:51:06
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Escrituras_Contratos](
	[CodEscritura] [int] NOT NULL,
	[CodContrato] [int] NOT NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Escrituras_Facturas]    Script Date: 11/03/2026 10:51:06
******/
```

```
SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Escrituras_Facturas](

	[CodFactura] [int] IDENTITY(1,1) NOT NULL,

	[CodNotario] [int] NULL,

	[CodRegistro] [int] NULL,

	[Importe] [decimal](8, 2) NOT NULL,

	[CodPedido] [int] NULL,

	[NumFactura] [nvarchar](20) NULL,

	[FechaFactura] [date] NULL,

	[FechaPago] [date] NULL,

	[DocumentoFactura] [nvarchar](30) NULL,

	[DocumentoJustificante] [nvarchar](30) NULL,

	[Observaciones] [nvarchar](200) NULL,

	[numProtocolo] [int] NULL,

	[minuta] [nvarchar](20) NULL,

	[instrumento] [int] NULL,

	[CodEstado] [tinyint] NULL,

 CONSTRAINT [PK__contrato__82F21A05F38ACF5D] PRIMARY KEY CLUSTERED

(

	[CodFactura] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Escrituras_Facturas_Escrituras]    Script Date: 11/03/2026
10:51:06 ******/

SET ANSI_NULLS ON

GO
```

```
SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Escrituras_Facturas_Escrituras](

	[CodFactura] [int] NOT NULL,

	[CodEscritura] [int] NOT NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Hitos]    Script Date: 11/03/2026 10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Hitos](

	[CodHito] [tinyint] NOT NULL,

	[Codigo] [nvarchar](15) NOT NULL,

	[Descr] [nvarchar](35) NOT NULL,

 CONSTRAINT [PK_Hitos] PRIMARY KEY CLUSTERED

(

	[CodHito] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Municipios]    Script Date: 11/03/2026 10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Municipios](

	[CodProvincia] [tinyint] NOT NULL,

	[CodMunicipio] [int] NOT NULL,
```

```
	[Municipio] [nvarchar](67) NOT NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Notarios]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Notarios](
	[CodNotario] [int] IDENTITY(1,1) NOT NULL,
	[Notario] [nvarchar](40) NOT NULL,
	[Direccion] [nvarchar](40) NOT NULL,
	[Localidad] [nvarchar](40) NOT NULL,
	[Telefono] [nvarchar](12) NOT NULL,
	[EMail] [nvarchar](40) NOT NULL,
	[Contacto] [nvarchar](40) NOT NULL,
 CONSTRAINT [PK_Notarios] PRIMARY KEY CLUSTERED
(
	[CodNotario] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Notarios_Registros_Provisiones]    Script Date: 11/03/2026
10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Notarios_Registros_Provisiones](
	[CodPedido] [int] IDENTITY(1,1) NOT NULL,
```

```
	[CodNotario] [int] NULL,
	[CodRegistro] [int] NULL,
	[NumPedido] [nvarchar](12) NOT NULL,
	[Fecha] [date] NOT NULL,
	[Importe] [decimal](8, 2) NOT NULL,
 CONSTRAINT [PK_Notarios_Registros_Provisiones] PRIMARY KEY CLUSTERED
(
	[CodPedido] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Pagos]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Pagos](
	[CodPago] [int] IDENTITY(1,1) NOT NULL,
	[CodPropietario] [int] NOT NULL,
	[CodTipoPago] [tinyint] NOT NULL,
	[Señal] [bit] NOT NULL,
	[Observaciones] [nvarchar](50) NULL,
 CONSTRAINT [PK_Pagos] PRIMARY KEY CLUSTERED
(
	[CodPago] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
/****** Object:  Table [dbo].[Parcelas]    Script Date: 11/03/2026 10:51:06 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Parcelas](
	[CodParcela] [int] IDENTITY(1,1) NOT NULL,
	[CodProyecto] [int] NOT NULL,
	[CodProvincia] [tinyint] NULL,
	[CodMunicipio] [int] NULL,
	[RefCatastral] [nvarchar](20) NOT NULL,
	[Poligono] [nvarchar](50) NULL,
	[Superficie] [decimal](12, 2) NULL,
	[SuperficieUtil] [decimal](12, 2) NULL,
	[Parcela] [varchar](200) NULL,
	[Naturaleza] [nvarchar](80) NULL,
	[CodTipoEntidad] [int] NULL,
	[CodTipoSubEntidad] [int] NULL,
	[PorcentajeOcupacion] [decimal](18, 0) NULL,
	[CodEstadoActual] [tinyint] NULL,
	[NumFincaSSE] [nvarchar](15) NULL,
	[Municipio] [nvarchar](40) NULL,
	[TitularCatastro] [nvarchar](509) NULL,
	[CodTipoEscritura] [tinyint] NULL,
	[SolInforRegProp] [bit] NULL,
	[NumRegProp] [nvarchar](20) NULL,
	[DescripcionDocFirma] [nvarchar](50) NULL,
	[Obs] [nvarchar](300) NULL,
	[Desafectada] [bit] NOT NULL,
	[SuperficieOcupada] [decimal](12, 2) NULL,
	[DUP] [bit] NOT NULL,
```

```
 CONSTRAINT [PK_Parcelas] PRIMARY KEY CLUSTERED

(

	[CodParcela] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Catastro]    Script Date: 11/03/2026 10:51:06
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Catastro](

	[CodParcelaCatastro] [int] IDENTITY(1,1) NOT NULL,

	[CodParcela] [int] NOT NULL,

	[Center] [nvarchar](100) NOT NULL,

	[Area] [decimal](18, 0) NOT NULL,

	[SRS] [nchar](20) NOT NULL,

	[FichaParcelaURL] [nchar](500) NOT NULL,

	[EsRara] [bit] NULL,

 CONSTRAINT [PK_Parcela_Catastro] PRIMARY KEY CLUSTERED

(

	[CodParcelaCatastro] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Catastro_Coordenadas]    Script Date: 11/03/2026
10:51:06 ******/

SET ANSI_NULLS ON
```

```
GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Catastro_Coordenadas](

	[ID] [int] IDENTITY(1,1) NOT NULL,

	[CodParcelaCatastro] [int] NOT NULL,

	[Latitud] [decimal](12, 2) NOT NULL,

	[Longitud] [decimal](12, 2) NOT NULL,

 CONSTRAINT [PK_Parcelas_Catastro_Coordenadas] PRIMARY KEY CLUSTERED

(

	[ID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Documentos]    Script Date: 11/03/2026 10:51:06
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Documentos](

	[CodDocumento] [int] IDENTITY(1,1) NOT NULL,

	[CodTipoDocumento] [tinyint] NULL,

	[Documento] [nvarchar](80) NOT NULL,

	[Fecha] [datetime] NULL,

	[CodUsuario] [int] NOT NULL,

	[Obs] [nvarchar](100) NULL,

 CONSTRAINT [PK_Parcelas_Documentos] PRIMARY KEY CLUSTERED

(

	[CodDocumento] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Documentos_Parcelas]    Script Date: 11/03/2026
10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Documentos_Parcelas](

        [CodDocumento] [int] NOT NULL,

        [CodParcela] [int] NOT NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Estados_Trazabilidad]    Script Date: 11/03/2026
10:51:06 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Estados_Trazabilidad](

        [CodParcela] [int] NOT NULL,

        [CodEstadoParcela] [tinyint] NOT NULL,

        [CodUsuario] [int] NULL,

        [Fecha] [datetime] NOT NULL,

        [Obs] [nvarchar](50) NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Firmas]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON
```

```
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Parcelas_Firmas](
	[CodFirma] [int] IDENTITY(1,1) NOT NULL,
	[CodParcela] [int] NULL,
	[CodPropietario] [int] NULL,
	[CodTipoContrato] [tinyint] NULL,
	[Vigencia] [int] NULL,
	[Prorroga] [int] NULL,
	[CodHito1] [tinyint] NULL,
	[CodTipoPago1] [tinyint] NULL,
	[Porcentaje1] [tinyint] NULL,
	[CodHito2] [tinyint] NULL,
	[CodTipoPago2] [tinyint] NULL,
	[Porcentaje2] [tinyint] NULL,
	[DocumentPath] [nvarchar](50) NULL,
	[Firma_Contratada] [nvarchar](6) NULL,
	[Firma_Contratada_Entera] [nvarchar](2) NULL,
	[Firma_Prevista_Expropiacion] [nvarchar](2) NULL,
	[Firma_Acuerdo_Privado] [nvarchar](2) NULL,
	[FechaFirma] [date] NULL,
	[Firma_Modelo_Contrato] [nvarchar](100) NULL,
	[CodSociedad] [tinyint] NULL,
	[Firma_Documento_Publico] [nvarchar](2) NULL,
	[Firma_Enlace_Contrato] [nvarchar](6) NULL,
	[Firma_Enlace_Plano] [nvarchar](6) NULL,
	[Firma_Descripcion_Modelo_Contrato] [nvarchar](210) NULL,
	[Firma_Años_Duracion] [nvarchar](42) NULL,
	[Firma_Años_Posibles_Prorroga] [nvarchar](2) NULL,
	[Firma_Fecha_Vencimiento] [nvarchar](1) NULL,
```

```
	[Firma_Clausulas_Especiales] [nvarchar](1) NULL,
	[Firma_Observaciones] [nvarchar](188) NULL,
 CONSTRAINT [PK_Parcelas_Firmas] PRIMARY KEY CLUSTERED
(
	[CodFirma] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Parcelas_Notaria]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Parcelas_Notaria](
	[CodNotaria] [int] IDENTITY(1,1) NOT NULL,
	[CodParcela] [int] NOT NULL,
	[Nombre] [varchar](25) NULL,
	[EnNotaria] [varchar](1) NULL,
	[RemitidaDocumentacion] [varchar](1) NULL,
	[FechaEscriturado] [datetime] NULL,
	[NumProtocolo] [varchar](116) NULL,
	[SociedadFirmante] [varchar](1) NULL,
	[PagoNotaria] [decimal](7, 2) NULL,
	[RatificacionProt] [int] NULL,
	[NotariaRatificacion] [varchar](1) NULL,
	[FechaRatificacion] [varchar](1) NULL,
	[PagoNotariaRatificacion] [varchar](1) NULL,
	[Observaciones] [varchar](272) NULL,
 CONSTRAINT [PK_Parcelas_Notaria] PRIMARY KEY CLUSTERED
(
```

```
	[CodNotaria] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Ocupacion]    Script Date: 11/03/2026 10:51:07
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Ocupacion](

	[CodParcelaOcupacion] [int] IDENTITY(1,1) NOT NULL,

	[CodParcela] [int] NOT NULL,

	[CodEstadoProyecto] [tinyint] NULL,

	[CodElemento] [int] NOT NULL,

	[Codigo] [nvarchar](50) NULL,

	[Valor] [decimal](9, 2) NULL,

	[CodUsuario] [int] NULL,

	[Fecha] [date] NULL,

	[Obs] [nvarchar](200) NULL,

 CONSTRAINT [PK_Parcelas_Ocupacion] PRIMARY KEY CLUSTERED

(

	[CodParcelaOcupacion] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Ocupacion_Trazabilidad]    Script Date: 11/03/2026
10:51:07 ******/

SET ANSI_NULLS ON
```

```
GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad](

	[CodOcupacionTrazabilidad] [int] IDENTITY(1,1) NOT NULL,

	[ValorOriginal] [decimal](18, 3) NULL,

	[ValorFinal] [decimal](18, 3) NULL,

	[CodTipoOcupacionTrazabilidad] [tinyint] NOT NULL,

	[Fecha] [datetime] NOT NULL,

	[CodUsuario] [int] NOT NULL,

	[Obs] [varchar](400) NULL,

	[CodParcela] [int] NOT NULL,

	[CodElemento] [int] NOT NULL,

	[CodEstadoProyecto] [tinyint] NULL,

 CONSTRAINT [PK_Ocupaciones_Trazabilidad] PRIMARY KEY CLUSTERED

(

	[CodOcupacionTrazabilidad] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Parcelas_Propietarios]    Script Date: 11/03/2026 10:51:07
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Parcelas_Propietarios](

	[CodParcela] [int] NOT NULL,

	[CodPropietario] [int] NOT NULL,

	[CodTipoTitular] [tinyint] NOT NULL,
```

```
	[Porcentaje] [decimal](6, 2) NOT NULL,
	[ExentoDocumento] [bit] NOT NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Parcelas_Trazabilidad]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Parcelas_Trazabilidad](
	[CodProyecto] [int] NOT NULL,
	[CodParcela] [int] NOT NULL,
	[CodEstadoProyecto] [tinyint] NOT NULL,
	[CodTipoCambioParcela] [tinyint] NOT NULL,
	[CodUsuario] [int] NOT NULL,
	[Fecha] [date] NOT NULL,
	[Obs] [nvarchar](200) NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Propietarios]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Propietarios](
	[CodPropietario] [int] IDENTITY(1,1) NOT NULL,
	[Nombre] [nvarchar](30) NOT NULL,
	[Apellidos] [nvarchar](50) NOT NULL,
	[DNI] [nvarchar](12) NULL,
	[Direccion] [nvarchar](200) NULL,
```

```
	[CodProvincia] [tinyint] NULL,
	[Poblacion] [nvarchar](100) NULL,
	[CP] [nvarchar](10) NULL,
	[Telefono1] [nvarchar](20) NULL,
	[Telefono2] [nvarchar](20) NULL,
	[EMail] [nvarchar](80) NULL,
	[CCB] [nvarchar](30) NULL,
	[BIC] [nvarchar](20) NULL,
	[Obs] [nvarchar](2000) NULL,
	[AltaSistema] [tinyint] NOT NULL,
	[NumProveedor] [nvarchar](12) NULL,
 CONSTRAINT [PK_Propietarios] PRIMARY KEY CLUSTERED
(
	[CodPropietario] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Propietarios_Documentos]    Script Date: 11/03/2026
10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Propietarios_Documentos](
	[CodDocumento] [int] IDENTITY(1,1) NOT NULL,
	[CodPropietario] [int] NOT NULL,
	[CodTipoDocumento] [tinyint] NOT NULL,
	[Documento] [varchar](80) NOT NULL,
	[Fecha] [datetime] NOT NULL,
	[CodUsuario] [int] NOT NULL,
```

```
 CONSTRAINT [PK_Propietarios_Documentos] PRIMARY KEY CLUSTERED

(

	[CodDocumento] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Propietarios_Proyectos]    Script Date: 11/03/2026 10:51:07
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Propietarios_Proyectos](

	[CodPropietario] [int] NOT NULL,

	[CodProyecto] [int] NOT NULL

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Proveedores]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Proveedores](

	[CodProveedor] [int] IDENTITY(1,1) NOT NULL,

	[CodTipoProveedor] [tinyint] NOT NULL,

	[Proveedor] [nvarchar](40) NOT NULL,

	[Direccion] [nvarchar](40) NOT NULL,

	[Localidad] [nvarchar](40) NOT NULL,

	[Telefono] [nvarchar](12) NOT NULL,

	[EMail] [nvarchar](50) NOT NULL,
```

```
	[Contacto] [nvarchar](40) NOT NULL,
 CONSTRAINT [PK_Proveedores] PRIMARY KEY CLUSTERED
(
	[CodProveedor] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proveedores_Pedidos]    Script Date: 11/03/2026 10:51:07
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proveedores_Pedidos](
	[CodPedido] [int] IDENTITY(1,1) NOT NULL,
	[CodProveedor] [int] NOT NULL,
	[NumeroPedido] [nvarchar](50) NOT NULL,
	[FechaPedido] [date] NOT NULL,
	[Importe] [decimal](18, 2) NOT NULL,
	[DocumentoAdjunto] [nvarchar](260) NULL,
 CONSTRAINT [PK_Pedidos] PRIMARY KEY CLUSTERED
(
	[CodPedido] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY],
 CONSTRAINT [UQ_Pedidos_CodProveedor_NumeroPedido] UNIQUE NONCLUSTERED
(
	[CodProveedor] ASC,
	[NumeroPedido] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Proveedores_Pedidos_Facturas]    Script Date: 11/03/2026
10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Proveedores_Pedidos_Facturas](

        [CodFactura] [int] IDENTITY(1,1) NOT NULL,

        [CodPedido] [int] NOT NULL,

        [NumeroFactura] [nvarchar](50) NOT NULL,

        [FechaFactura] [date] NOT NULL,

        [Importe] [decimal](18, 2) NOT NULL,

        [DocumentoAdjunto] [nvarchar](255) NULL,

        [FechaSolicitudPago] [date] NULL,

        [FechaPago] [date] NULL,

        [JustificantePago] [nvarchar](255) NULL,

 CONSTRAINT [PK_Proveedores_Facturas] PRIMARY KEY CLUSTERED

(

        [CodFactura] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY],

 CONSTRAINT [UQ_Facturas_CodPedido_NumeroFactura] UNIQUE NONCLUSTERED

(

        [CodPedido] ASC,

        [NumeroFactura] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Proveedores_PedidosProyectos]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Proveedores_PedidosProyectos](

	[CodPedido] [int] NOT NULL,

	[CodProyecto] [int] NOT NULL,

 CONSTRAINT [PK_PedidosProyectos] PRIMARY KEY CLUSTERED

(

	[CodPedido] ASC,

	[CodProyecto] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Provincias]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Provincias](

	[CodProvincia] [tinyint] NOT NULL,

	[CodComunidad] [tinyint] NOT NULL,

	[Provincia] [nvarchar](50) NOT NULL,

 CONSTRAINT [PK_Provincias] PRIMARY KEY CLUSTERED

(

	[CodProvincia] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Proyectos]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Proyectos](

        [CodProyecto] [int] IDENTITY(1,1) NOT NULL,

        [Nombre] [nvarchar](50) NOT NULL,

        [CodTipoProyecto] [tinyint] NOT NULL,

        [CodSociedad] [tinyint] NULL,

        [CodComunidad] [int] NOT NULL,

        [Potencia] [decimal](9, 3) NOT NULL,

        [PotenciaHora] [decimal](9, 3) NULL,

        [CodDelegado] [int] NULL,

        [CodGestor] [int] NULL,

        [CodEstadoActual] [tinyint] NOT NULL,

        [Fecha_DIA] [date] NULL,

        [Fecha_AAP] [date] NULL,

        [Fecha_AAC] [date] NULL,

        [Fecha_RTB] [date] NULL,

        [Fecha_AAE] [date] NULL,

        [Latitud] [decimal](12, 2) NULL,

        [Longitud] [decimal](12, 2) NULL,

        [Activo] [bit] NULL,

        [Validable] [date] NULL,

        [GIS] [nvarchar](20) NULL,

 CONSTRAINT [PK_Proyectos] PRIMARY KEY CLUSTERED
```

```
(
	[CodProyecto] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proyectos_Contratos]    Script Date: 11/03/2026 10:51:07
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Contratos](
	[CodContrato] [int] IDENTITY(1,1) NOT NULL,
	[CodProyecto] [int] NOT NULL,
	[CodTipoContrato] [tinyint] NOT NULL,
	[Vigencia] [tinyint] NOT NULL,
	[Prorroga] [tinyint] NOT NULL,
	[CodTipoPago] [tinyint] NULL,
	[CodHito1] [tinyint] NULL,
	[Porcentaje1] [tinyint] NULL,
	[CodHito2] [tinyint] NULL,
	[Porcentaje2] [tinyint] NULL,
 CONSTRAINT [PK_Proyectos_Contratos] PRIMARY KEY CLUSTERED
(
	[CodContrato] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
/****** Object:  Table [dbo].[Proyectos_Elementos_Costes]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Elementos_Costes](
	[CodProyecto] [int] NOT NULL,
	[CodElemento] [int] NOT NULL,
	[Coste] [decimal](10, 2) NOT NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proyectos_Estados]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Estados](
	[CodProyecto] [int] NOT NULL,
	[CodEstado] [tinyint] NOT NULL,
	[Fecha] [datetime2](7) NOT NULL,
	[CodUsuario] [int] NOT NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proyectos_Ocupaciones_Costes]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Ocupaciones_Costes](
```

```
	[CodProyectosOcupacionCostes] [int] IDENTITY(1,1) NOT NULL,
	[CodProyecto] [int] NULL,
	[Pleno_Dominio] [decimal](10, 2) NULL,
	[Servidumbre_Vuelo] [decimal](10, 2) NULL,
	[Servidumbre_Paso] [decimal](10, 2) NULL,
	[Servidumbre] [decimal](10, 2) NULL,
	[Ocupacion_Temporal] [decimal](10, 2) NULL,
	[Plantas_Fotovoltaicas] [decimal](10, 2) NULL,
	[Planta_Almacenamiento] [decimal](10, 2) NULL,
	[Extra] [decimal](10, 2) NULL,
	[CodUsuario] [int] NULL,
	[Fecha] [datetime] NULL,
	[Obs] [varchar](300) NULL,
PRIMARY KEY CLUSTERED
(
	[CodProyectosOcupacionCostes] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proyectos_Ocupaciones_Versiones]    Script Date:
11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Ocupaciones_Versiones](
	[CodVersion] [int] IDENTITY(1,1) NOT NULL,
	[CodProyecto] [int] NOT NULL,
	[CodigoVersion] [nvarchar](50) NOT NULL,
	[CodUsuario] [int] NOT NULL,
```

```
	[Fecha] [datetime] NOT NULL,
 CONSTRAINT [PK_Proyectos_Ocupaciones_Versiones] PRIMARY KEY CLUSTERED
(
	[CodVersion] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proyectos_Ocupaciones_Versiones_Traza]    Script Date:
11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Ocupaciones_Versiones_Traza](
	[CodVersion] [int] NOT NULL,
	[CodParcela] [int] NOT NULL,
	[CodElemento] [int] NOT NULL,
	[Codigo] [nchar](10) NULL,
	[Valor] [nchar](10) NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Proyectos_Usuarios]    Script Date: 11/03/2026 10:51:07
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Proyectos_Usuarios](
	[CodProyecto] [int] NOT NULL,
	[CodUsuario] [int] NOT NULL
```

```
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Registros]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Registros](
	[CodRegistro] [int] IDENTITY(1,1) NOT NULL,
	[Registro] [nvarchar](40) NOT NULL,
	[Direccion] [nvarchar](40) NOT NULL,
	[Localidad] [nvarchar](40) NOT NULL,
	[Telefono] [nvarchar](12) NOT NULL,
	[EMail] [nvarchar](50) NOT NULL,
	[Contacto] [nvarchar](40) NOT NULL,
 CONSTRAINT [PK_Registros] PRIMARY KEY CLUSTERED
(
	[CodRegistro] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Sociedades]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Sociedades](
	[CodSociedad] [tinyint] IDENTITY(1,1) NOT NULL,
	[Sociedad] [nvarchar](60) NOT NULL,
	[Shareholder] [nvarchar](50) NOT NULL,
```

```
	[Direccion] [nvarchar](50) NOT NULL,
	[CP] [nvarchar](5) NOT NULL,
	[Poblacion] [nvarchar](30) NOT NULL,
	[CodProvincia] [int] NOT NULL,
	[CIF] [nvarchar](10) NOT NULL,
	[DocumentoCIF] [nvarchar](80) NULL,
	[DocumentoEsc] [nvarchar](80) NULL,
 CONSTRAINT [PK_Sociedades] PRIMARY KEY CLUSTERED
(
	[CodSociedad] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Tipos_Contrato]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Tipos_Contrato](
	[CodTipoContrato] [tinyint] NOT NULL,
	[Descr] [nvarchar](50) NOT NULL,
	[CodTipoDocumentoAsociado] [tinyint] NOT NULL,
 CONSTRAINT [PK_Tipos_Contrato] PRIMARY KEY CLUSTERED
(
	[CodTipoContrato] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
/****** Object:  Table [dbo].[Tipos_Contrato_Hitos]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Tipos_Contrato_Hitos](
	[CodTipoContrato] [tinyint] NOT NULL,
	[CodHito] [tinyint] NOT NULL
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Tipos_Coste]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Tipos_Coste](
	[CodTipoCoste] [tinyint] NOT NULL,
	[Descr] [nvarchar](11) NULL,
 CONSTRAINT [PK_Tipos_Coste] PRIMARY KEY CLUSTERED
(
	[CodTipoCoste] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Tipos_Documento]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
```

```
GO

CREATE TABLE [dbo].[Tipos_Documento](

	[CodTipoDocumento] [tinyint] NOT NULL,

	[Nombre] [nvarchar](50) NOT NULL,

	[CodTipoEntidad] [tinyint] NULL,

	[Codigo] [nvarchar](10) NULL,

	[DocPadre] [tinyint] NULL,

	[Unico] [bit] NOT NULL,

	[Validable] [bit] NOT NULL,

 CONSTRAINT [PK_Tipos_Documentos] PRIMARY KEY CLUSTERED

(

	[CodTipoDocumento] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Tipos_Estado_Parcela]    Script Date: 11/03/2026 10:51:07
******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Tipos_Estado_Parcela](

	[CodEstado] [tinyint] NOT NULL,

	[Estado] [nvarchar](20) NOT NULL,

 CONSTRAINT [pk_CodEstado] PRIMARY KEY CLUSTERED

(

	[CodEstado] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]
```

```
GO

/****** Object:  Table [dbo].[Tipos_Estado_Proyecto]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Tipos_Estado_Proyecto](

	[CodEstado] [tinyint] NOT NULL,

	[Estado] [nvarchar](20) NOT NULL,

 CONSTRAINT [PK_Tipos_Estado_Proyecto] PRIMARY KEY CLUSTERED

(

	[CodEstado] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/****** Object:  Table [dbo].[Tipos_Proyecto]    Script Date: 11/03/2026 10:51:07 ******/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Tipos_Proyecto](

	[CodTipoProyecto] [tinyint] NOT NULL,

	[Nombre] [nvarchar](50) NOT NULL,

	[Codigo] [nvarchar](4) NULL,

 CONSTRAINT [PK_TiposProyecto] PRIMARY KEY CLUSTERED

(

	[CodTipoProyecto] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Tipos_Suelo]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Tipos_Suelo](
	[CodTipoSuelo] [tinyint] NOT NULL,
	[Codigo] [nvarchar](2) NOT NULL,
	[Descripcion] [nvarchar](20) NOT NULL,
	[CodTipoCoste] [tinyint] NULL,
 CONSTRAINT [PK_Tipos_Suelo] PRIMARY KEY CLUSTERED
(
	[CodTipoSuelo] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Usuarios]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Usuarios](
	[CodUsuario] [int] IDENTITY(1,1) NOT NULL,
	[Nombre] [nvarchar](50) NOT NULL,
	[Apellidos] [nvarchar](50) NOT NULL,
	[CodPerfil] [tinyint] NOT NULL,
	[CodComunidad] [tinyint] NULL,
	[Empresa] [nvarchar](50) NULL,
```

```
	[EMail] [nvarchar](50) NOT NULL,
	[Telefono] [nvarchar](12) NULL,
	[Password] [nvarchar](16) NOT NULL,
	[Habilitado] [bit] NOT NULL,
	[Lang] [tinyint] NOT NULL,
	[ModoPerfil] [tinyint] NULL,
 CONSTRAINT [PK_Usuarios] PRIMARY KEY CLUSTERED
(
	[CodUsuario] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object:  Table [dbo].[Validaciones]    Script Date: 11/03/2026 10:51:07 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Validaciones](
	[CodValidacion] [int] IDENTITY(1,1) NOT NULL,
	[CodTipoEntidad] [tinyint] NOT NULL,
	[CodDocumento] [int] NOT NULL,
	[Valor] [tinyint] NOT NULL,
	[Observaciones] [nvarchar](500) NOT NULL,
	[Fecha] [datetime2](7) NOT NULL,
	[CodValidador] [int] NOT NULL,
 CONSTRAINT [PK_Validaciones] PRIMARY KEY CLUSTERED
(
	[CodValidacion] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Comentarios] ADD  CONSTRAINT [DF_Comentarios_Fecha]  DEFAULT
(sysdatetime()) FOR [FechaComentario]

GO

ALTER TABLE [dbo].[Comentarios] ADD  CONSTRAINT [DF_Comentarios_FechaCreacion]
DEFAULT (sysdatetime()) FOR [FechaCreacion]

GO

ALTER TABLE [dbo].[Contratos_Adendas] ADD  DEFAULT ((0)) FOR [Otros]

GO

ALTER TABLE [dbo].[Contratos_Documentos] ADD  CONSTRAINT
[DF_Contratos_Documentos_CodTipoFormato]  DEFAULT ((1)) FOR [CodTipoFormato]

GO

ALTER TABLE [dbo].[Contratos_Facturas] ADD  CONSTRAINT [DF_Facturas_EsPago]
DEFAULT ((0)) FOR [EsPago]

GO

ALTER TABLE [dbo].[Escrituras] ADD  CONSTRAINT
[DF_Contratos_Escrituras_NumProtocolo]  DEFAULT (N'-') FOR [NumProtocolo]

GO

ALTER TABLE [dbo].[Escrituras] ADD  CONSTRAINT
[DF_Contratos_Escrituras_Observaciones]  DEFAULT (N'-') FOR [ObsNotario]

GO

ALTER TABLE [dbo].[Escrituras] ADD  CONSTRAINT [DF_Escrituras_ObsRegistro]  DEFAULT
(N'-') FOR [ObsRegistro]

GO

ALTER TABLE [dbo].[Notarios] ADD  CONSTRAINT [DF_Notarios_Direccion]  DEFAULT (N'-')
FOR [Direccion]

GO

ALTER TABLE [dbo].[Notarios] ADD  CONSTRAINT [DF_Notarios_Telefono]  DEFAULT (N'-')
FOR [Telefono]

GO
```

```
ALTER TABLE [dbo].[Notarios] ADD  CONSTRAINT [DF_Notarios_EMail]  DEFAULT (N'-') FOR [EMail]

GO

ALTER TABLE [dbo].[Notarios] ADD  CONSTRAINT [DF_Notarios_Contacto]  DEFAULT (N'-') FOR [Contacto]

GO

ALTER TABLE [dbo].[Parcelas] ADD  CONSTRAINT [DF_Parcelas_Desafectada]  DEFAULT ((0)) FOR [Desafectada]

GO

ALTER TABLE [dbo].[Parcelas] ADD  CONSTRAINT [DF_Parcelas_DUP]  DEFAULT ((0)) FOR [DUP]

GO

ALTER TABLE [dbo].[Parcelas_Propietarios] ADD  DEFAULT ((0)) FOR [ExentoDocumento]

GO

ALTER TABLE [dbo].[Propietarios] ADD  CONSTRAINT [DF_Propietarios_AltaSistema]  DEFAULT ((0)) FOR [AltaSistema]

GO

ALTER TABLE [dbo].[Proveedores] ADD  CONSTRAINT [DF_Proveedores_CodTipoProveedor]  DEFAULT ((1)) FOR [CodTipoProveedor]

GO

ALTER TABLE [dbo].[Proyectos] ADD  CONSTRAINT [DF_Proyectos_CodEstadoActual]  DEFAULT ((1)) FOR [CodEstadoActual]

GO

ALTER TABLE [dbo].[Proyectos] ADD  CONSTRAINT [DF_Proyectos_Activo]  DEFAULT ((1)) FOR [Activo]

GO

ALTER TABLE [dbo].[Tipos_Documento] ADD  CONSTRAINT [DF_Tipos_Documento_Validable]  DEFAULT ((0)) FOR [Validable]

GO

ALTER TABLE [dbo].[Usuarios] ADD  CONSTRAINT [DF_Usuarios_Habilitado]  DEFAULT ((1)) FOR [Habilitado]

GO

ALTER TABLE [dbo].[Usuarios] ADD  CONSTRAINT [DF_Usuarios_Lang]  DEFAULT ((1)) FOR [Lang]

GO
```

```
ALTER TABLE [dbo].[Usuarios] ADD  CONSTRAINT [DF_Usuarios_ModoPerfil]  DEFAULT ((0)) FOR [ModoPerfil]

GO

ALTER TABLE [dbo].[BOT_REE_Nudos]  WITH CHECK ADD  CONSTRAINT [FK_BOT_REE_Nudos_Comunidades] FOREIGN KEY([CodComunidad])

REFERENCES [dbo].[Comunidades] ([CodComunidad])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[BOT_REE_Nudos] CHECK CONSTRAINT [FK_BOT_REE_Nudos_Comunidades]

GO

ALTER TABLE [dbo].[Comentarios]  WITH CHECK ADD  CONSTRAINT [FK_Comentarios_Parcelas] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

GO

ALTER TABLE [dbo].[Comentarios] CHECK CONSTRAINT [FK_Comentarios_Parcelas]

GO

ALTER TABLE [dbo].[Comentarios]  WITH CHECK ADD  CONSTRAINT [FK_Comentarios_Propietarios] FOREIGN KEY([CodPropietario])

REFERENCES [dbo].[Propietarios] ([CodPropietario])

GO

ALTER TABLE [dbo].[Comentarios] CHECK CONSTRAINT [FK_Comentarios_Propietarios]

GO

ALTER TABLE [dbo].[Comentarios]  WITH CHECK ADD  CONSTRAINT [FK_Comentarios_Usuarios] FOREIGN KEY([CodUsuario])

REFERENCES [dbo].[Usuarios] ([CodUsuario])

GO

ALTER TABLE [dbo].[Comentarios] CHECK CONSTRAINT [FK_Comentarios_Usuarios]

GO

ALTER TABLE [dbo].[Contratos_Adendas]  WITH CHECK ADD  CONSTRAINT [FK_Contratos_Adendas_Contratos] FOREIGN KEY([CodContrato])

REFERENCES [dbo].[Contratos] ([CodContrato])

ON UPDATE CASCADE
```

```
ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Contratos_Adendas] CHECK CONSTRAINT
[FK_Contratos_Adendas_Contratos]

GO

ALTER TABLE [dbo].[Contratos_Anticipos]  WITH CHECK ADD  CONSTRAINT
[FK_Contratos_Anticipos_Contratos] FOREIGN KEY([CodContrato])

REFERENCES [dbo].[Contratos] ([CodContrato])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Contratos_Anticipos] CHECK CONSTRAINT
[FK_Contratos_Anticipos_Contratos]

GO

ALTER TABLE [dbo].[Contratos_Documentos]  WITH CHECK ADD  CONSTRAINT
[FK_Contratos_Documentos_Contratos] FOREIGN KEY([CodContrato])

REFERENCES [dbo].[Contratos] ([CodContrato])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Contratos_Documentos] CHECK CONSTRAINT
[FK_Contratos_Documentos_Contratos]

GO

ALTER TABLE [dbo].[Contratos_Parcelas]  WITH CHECK ADD  CONSTRAINT
[FK_Contratos_Parcelas_Contratos] FOREIGN KEY([CodContrato])

REFERENCES [dbo].[Contratos] ([CodContrato])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Contratos_Parcelas] CHECK CONSTRAINT
[FK_Contratos_Parcelas_Contratos]

GO

ALTER TABLE [dbo].[Contratos_Parcelas]  WITH CHECK ADD  CONSTRAINT
[FK_Contratos_Parcelas_Parcelas] FOREIGN KEY([CodParcela])
```

```
REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Contratos_Parcelas] CHECK CONSTRAINT
[FK_Contratos_Parcelas_Parcelas]

GO

ALTER TABLE [dbo].[Costes_Ocupaciones_Configuracion]  WITH CHECK ADD FOREIGN
KEY([CodComunidad])

REFERENCES [dbo].[Comunidades] ([CodComunidad])

GO

ALTER TABLE [dbo].[Elementos]  WITH CHECK ADD  CONSTRAINT
[FK_Elementos_Elementos_Tipos] FOREIGN KEY([CodTipoElemento])

REFERENCES [dbo].[Elementos_Tipos] ([CodTipoElemento])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Elementos] CHECK CONSTRAINT [FK_Elementos_Elementos_Tipos]

GO

ALTER TABLE [dbo].[Elementos_Tipos_Proyectos_Tipos]  WITH CHECK ADD  CONSTRAINT
[FK_Elementos_Tipos_Proyectos_Tipos_Elementos_Tipos] FOREIGN
KEY([CodTipoElemento])

REFERENCES [dbo].[Elementos_Tipos] ([CodTipoElemento])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Elementos_Tipos_Proyectos_Tipos] CHECK CONSTRAINT
[FK_Elementos_Tipos_Proyectos_Tipos_Elementos_Tipos]

GO

ALTER TABLE [dbo].[Escrituras_Contratos]  WITH CHECK ADD  CONSTRAINT
[FK_Escrituras_Contratos_Contratos] FOREIGN KEY([CodContrato])

REFERENCES [dbo].[Contratos] ([CodContrato])

ON UPDATE CASCADE

ON DELETE CASCADE
```

```
GO

ALTER TABLE [dbo].[Escrituras_Contratos] CHECK CONSTRAINT
[FK_Escrituras_Contratos_Contratos]

GO

ALTER TABLE [dbo].[Escrituras_Contratos]  WITH CHECK ADD  CONSTRAINT
[FK_Escrituras_Contratos_Escrituras] FOREIGN KEY([CodEscritura])

REFERENCES [dbo].[Escrituras] ([CodEscritura])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Escrituras_Contratos] CHECK CONSTRAINT
[FK_Escrituras_Contratos_Escrituras]

GO

ALTER TABLE [dbo].[Pagos]  WITH CHECK ADD  CONSTRAINT [FK_Pagos_Propietarios]
FOREIGN KEY([CodPropietario])

REFERENCES [dbo].[Propietarios] ([CodPropietario])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Pagos] CHECK CONSTRAINT [FK_Pagos_Propietarios]

GO

ALTER TABLE [dbo].[Parcelas]  WITH CHECK ADD  CONSTRAINT
[FK__Parcelas__CodEst__51300E55] FOREIGN KEY([CodEstadoActual])

REFERENCES [dbo].[Tipos_Estado_Parcela] ([CodEstado])

GO

ALTER TABLE [dbo].[Parcelas] CHECK CONSTRAINT [FK__Parcelas__CodEst__51300E55]

GO

ALTER TABLE [dbo].[Parcelas]  WITH CHECK ADD  CONSTRAINT [FK_Parcelas_Proyectos]
FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

ON UPDATE CASCADE

ON DELETE CASCADE

GO
```

```
ALTER TABLE [dbo].[Parcelas] CHECK CONSTRAINT [FK_Parcelas_Proyectos]

GO

ALTER TABLE [dbo].[Parcelas_Catastro]  WITH CHECK ADD  CONSTRAINT
[FK__Parcela_C__CodPa__0697FACD] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Catastro] CHECK CONSTRAINT
[FK__Parcela_C__CodPa__0697FACD]

GO

ALTER TABLE [dbo].[Parcelas_Catastro_Coordenadas]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Catastro_Coordenadas_Parcelas_Catastro] FOREIGN
KEY([CodParcelaCatastro])

REFERENCES [dbo].[Parcelas_Catastro] ([CodParcelaCatastro])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Catastro_Coordenadas] CHECK CONSTRAINT
[FK_Parcelas_Catastro_Coordenadas_Parcelas_Catastro]

GO

ALTER TABLE [dbo].[Parcelas_Documentos]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Documentos_Tipos_Documentos] FOREIGN KEY([CodTipoDocumento])

REFERENCES [dbo].[Tipos_Documento] ([CodTipoDocumento])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Documentos] CHECK CONSTRAINT
[FK_Parcelas_Documentos_Tipos_Documentos]

GO

ALTER TABLE [dbo].[Parcelas_Documentos_Parcelas]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Documentos_Parcelas_Parcelas] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE
```

```
ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Documentos_Parcelas] CHECK CONSTRAINT
[FK_Parcelas_Documentos_Parcelas_Parcelas]

GO

ALTER TABLE [dbo].[Parcelas_Documentos_Parcelas]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Documentos_Parcelas_Parcelas_Documentos] FOREIGN
KEY([CodDocumento])

REFERENCES [dbo].[Parcelas_Documentos] ([CodDocumento])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Documentos_Parcelas] CHECK CONSTRAINT
[FK_Parcelas_Documentos_Parcelas_Parcelas_Documentos]

GO

ALTER TABLE [dbo].[Parcelas_Estados_Trazabilidad]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Estados_Parcelas] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Estados_Trazabilidad] CHECK CONSTRAINT
[FK_Parcelas_Estados_Parcelas]

GO

ALTER TABLE [dbo].[Parcelas_Firmas]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Firmas_Parcelas] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Firmas] CHECK CONSTRAINT
[FK_Parcelas_Firmas_Parcelas]

GO
```

```
ALTER TABLE [dbo].[Parcelas_Ocupacion]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Ocupacion_Parcelas] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion] CHECK CONSTRAINT
[FK_Parcelas_Ocupacion_Parcelas]

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad]  WITH CHECK ADD  CONSTRAINT
[FK_CodParcela] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad] CHECK CONSTRAINT
[FK_CodParcela]

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad]  WITH CHECK ADD  CONSTRAINT
[FK_CodUsuario] FOREIGN KEY([CodUsuario])

REFERENCES [dbo].[Usuarios] ([CodUsuario])

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad] CHECK CONSTRAINT
[FK_CodUsuario]

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad]  WITH CHECK ADD  CONSTRAINT
[FK_Elementos] FOREIGN KEY([CodElemento])

REFERENCES [dbo].[Elementos] ([CodElemento])

GO

ALTER TABLE [dbo].[Parcelas_Ocupacion_Trazabilidad] CHECK CONSTRAINT
[FK_Elementos]

GO

ALTER TABLE [dbo].[Parcelas_Propietarios]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Propietarios_Parcelas] FOREIGN KEY([CodParcela])
```

```
REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Propietarios] CHECK CONSTRAINT
[FK_Parcelas_Propietarios_Parcelas]

GO

ALTER TABLE [dbo].[Parcelas_Propietarios]  WITH CHECK ADD  CONSTRAINT
[FK_Parcelas_Propietarios_Propietarios] FOREIGN KEY([CodPropietario])

REFERENCES [dbo].[Propietarios] ([CodPropietario])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Parcelas_Propietarios] CHECK CONSTRAINT
[FK_Parcelas_Propietarios_Propietarios]

GO

ALTER TABLE [dbo].[Propietarios]  WITH CHECK ADD  CONSTRAINT
[FK_Propietarios_Provincias] FOREIGN KEY([CodProvincia])

REFERENCES [dbo].[Provincias] ([CodProvincia])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Propietarios] CHECK CONSTRAINT [FK_Propietarios_Provincias]

GO

ALTER TABLE [dbo].[Propietarios_Documentos]  WITH CHECK ADD  CONSTRAINT
[FK__Propietar__CodPr__7B264821] FOREIGN KEY([CodPropietario])

REFERENCES [dbo].[Propietarios] ([CodPropietario])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Propietarios_Documentos] CHECK CONSTRAINT
[FK__Propietar__CodPr__7B264821]

GO
```

```
ALTER TABLE [dbo].[Propietarios_Documentos]  WITH CHECK ADD  CONSTRAINT
[FK__Propietar__CodTi__7E02B4CC] FOREIGN KEY([CodTipoDocumento])

REFERENCES [dbo].[Tipos_Documento] ([CodTipoDocumento])

GO

ALTER TABLE [dbo].[Propietarios_Documentos] CHECK CONSTRAINT
[FK__Propietar__CodTi__7E02B4CC]

GO

ALTER TABLE [dbo].[Propietarios_Documentos]  WITH CHECK ADD  CONSTRAINT
[FK__Propietar__CodUs__7D0E9093] FOREIGN KEY([CodUsuario])

REFERENCES [dbo].[Usuarios] ([CodUsuario])

GO

ALTER TABLE [dbo].[Propietarios_Documentos] CHECK CONSTRAINT
[FK__Propietar__CodUs__7D0E9093]

GO

ALTER TABLE [dbo].[Propietarios_Proyectos]  WITH CHECK ADD  CONSTRAINT
[FK_Propietarios_Proyectos_Propietarios] FOREIGN KEY([CodPropietario])

REFERENCES [dbo].[Propietarios] ([CodPropietario])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Propietarios_Proyectos] CHECK CONSTRAINT
[FK_Propietarios_Proyectos_Propietarios]

GO

ALTER TABLE [dbo].[Propietarios_Proyectos]  WITH CHECK ADD  CONSTRAINT
[FK_Propietarios_Proyectos_Proyectos] FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Propietarios_Proyectos] CHECK CONSTRAINT
[FK_Propietarios_Proyectos_Proyectos]

GO

ALTER TABLE [dbo].[Proveedores_Pedidos]  WITH CHECK ADD  CONSTRAINT
[FK_Proveedores_Pedidos_Proveedores] FOREIGN KEY([CodProveedor])
```

```
REFERENCES [dbo].[Proveedores] ([CodProveedor])

GO

ALTER TABLE [dbo].[Proveedores_Pedidos] CHECK CONSTRAINT
[FK_Proveedores_Pedidos_Proveedores]

GO

ALTER TABLE [dbo].[Proveedores_Pedidos_Facturas]  WITH CHECK ADD  CONSTRAINT
[FK_Facturas_Pedidos] FOREIGN KEY([CodPedido])

REFERENCES [dbo].[Proveedores_Pedidos] ([CodPedido])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proveedores_Pedidos_Facturas] CHECK CONSTRAINT
[FK_Facturas_Pedidos]

GO

ALTER TABLE [dbo].[Proveedores_PedidosProyectos]  WITH CHECK ADD  CONSTRAINT
[FK_PedidosProyectos_Pedidos] FOREIGN KEY([CodPedido])

REFERENCES [dbo].[Proveedores_Pedidos] ([CodPedido])

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proveedores_PedidosProyectos] CHECK CONSTRAINT
[FK_PedidosProyectos_Pedidos]

GO

ALTER TABLE [dbo].[Proveedores_PedidosProyectos]  WITH CHECK ADD  CONSTRAINT
[FK_PedidosProyectos_Proyectos] FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

GO

ALTER TABLE [dbo].[Proveedores_PedidosProyectos] CHECK CONSTRAINT
[FK_PedidosProyectos_Proyectos]

GO

ALTER TABLE [dbo].[Provincias]  WITH CHECK ADD  CONSTRAINT
[FK_Provincias_Comunidades] FOREIGN KEY([CodComunidad])

REFERENCES [dbo].[Comunidades] ([CodComunidad])

ON UPDATE CASCADE

ON DELETE CASCADE

GO
```

```
ALTER TABLE [dbo].[Provincias] CHECK CONSTRAINT [FK_Provincias_Comunidades]

GO

ALTER TABLE [dbo].[Proyectos]  WITH CHECK ADD  CONSTRAINT
[FK_Proyectos_TiposProyecto] FOREIGN KEY([CodTipoProyecto])

REFERENCES [dbo].[Tipos_Proyecto] ([CodTipoProyecto])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proyectos] CHECK CONSTRAINT [FK_Proyectos_TiposProyecto]

GO

ALTER TABLE [dbo].[Proyectos_Contratos]  WITH CHECK ADD  CONSTRAINT
[FK_Proyectos_Contratos_Proyectos] FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proyectos_Contratos] CHECK CONSTRAINT
[FK_Proyectos_Contratos_Proyectos]

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Costes]  WITH CHECK ADD  CONSTRAINT
[FK__Proyectos__CodPr__42E1EEFE] FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Costes] CHECK CONSTRAINT
[FK__Proyectos__CodPr__42E1EEFE]

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Costes]  WITH CHECK ADD  CONSTRAINT
[FK__Proyectos__CodUs__43D61337] FOREIGN KEY([CodUsuario])

REFERENCES [dbo].[Usuarios] ([CodUsuario])

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Costes] CHECK CONSTRAINT
[FK__Proyectos__CodUs__43D61337]

GO
```

```
ALTER TABLE [dbo].[Proyectos_Ocupaciones_Versiones]  WITH CHECK ADD  CONSTRAINT [FK_Proyectos_Ocupaciones_Versiones_Proyectos] FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Versiones] CHECK CONSTRAINT [FK_Proyectos_Ocupaciones_Versiones_Proyectos]

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Versiones_Traza]  WITH CHECK ADD CONSTRAINT [FK_Proyectos_Ocupaciones_Versiones_Traza_Parcelas] FOREIGN KEY([CodParcela])

REFERENCES [dbo].[Parcelas] ([CodParcela])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proyectos_Ocupaciones_Versiones_Traza] CHECK CONSTRAINT [FK_Proyectos_Ocupaciones_Versiones_Traza_Parcelas]

GO

ALTER TABLE [dbo].[Proyectos_Usuarios]  WITH CHECK ADD  CONSTRAINT [FK_Proyectos_Usuarios_Proyectos] FOREIGN KEY([CodProyecto])

REFERENCES [dbo].[Proyectos] ([CodProyecto])

ON UPDATE CASCADE

ON DELETE CASCADE

GO

ALTER TABLE [dbo].[Proyectos_Usuarios] CHECK CONSTRAINT [FK_Proyectos_Usuarios_Proyectos]

GO

ALTER TABLE [dbo].[Proyectos_Usuarios]  WITH CHECK ADD  CONSTRAINT [FK_Proyectos_Usuarios_Usuarios] FOREIGN KEY([CodUsuario])

REFERENCES [dbo].[Usuarios] ([CodUsuario])

ON UPDATE CASCADE

ON DELETE CASCADE

GO
```

```
ALTER TABLE [dbo].[Proyectos_Usuarios] CHECK CONSTRAINT
[FK_Proyectos_Usuarios_Usuarios]

GO

ALTER TABLE [dbo].[Usuarios]  WITH CHECK ADD  CONSTRAINT
[FK_Usuarios_Comunidades] FOREIGN KEY([CodComunidad])

REFERENCES [dbo].[Comunidades] ([CodComunidad])

ON UPDATE CASCADE

ON DELETE SET NULL

GO

ALTER TABLE [dbo].[Usuarios] CHECK CONSTRAINT [FK_Usuarios_Comunidades]

GO

ALTER TABLE [dbo].[Comentarios]  WITH CHECK ADD  CONSTRAINT
[CK_Comentarios_Valoracion] CHECK  (([Valoracion]>=(0) AND [Valoracion]<=(5)))

GO

ALTER TABLE [dbo].[Comentarios] CHECK CONSTRAINT [CK_Comentarios_Valoracion]

GO

ALTER TABLE [dbo].[Proveedores_Pedidos]  WITH CHECK ADD  CONSTRAINT
[CK_Pedidos_Importe_NoNegativo] CHECK  (([Importe]>=(0)))

GO

ALTER TABLE [dbo].[Proveedores_Pedidos] CHECK CONSTRAINT
[CK_Pedidos_Importe_NoNegativo]

GO

ALTER TABLE [dbo].[Proveedores_Pedidos_Facturas]  WITH CHECK ADD  CONSTRAINT
[CK_Facturas_FechasPago] CHECK  (([FechaPago] IS NULL OR [FechaSolicitudPago] IS
NOT NULL AND [FechaPago]>=[FechaSolicitudPago]))

GO

ALTER TABLE [dbo].[Proveedores_Pedidos_Facturas] CHECK CONSTRAINT
[CK_Facturas_FechasPago]

GO

ALTER TABLE [dbo].[Proveedores_Pedidos_Facturas]  WITH CHECK ADD  CONSTRAINT
[CK_Facturas_Importe_NoNegativo] CHECK  (([Importe]>=(0)))

GO

ALTER TABLE [dbo].[Proveedores_Pedidos_Facturas] CHECK CONSTRAINT
[CK_Facturas_Importe_NoNegativo]

GO
```

API Documentation


```
{
  "openapi": "3.0.1",
  "info": {
    "title": "API SSE",
    "version": "v1"
  },
  "paths": {
    "/api/Alertas/GetAlertas": {
      "put": {
        "tags": [
          "Alertas"
        ],
        "responses": {
          "200": {
            "description": "Success"
          }
        }
      }
    },
    "/api/Alertas/GetTiposAlertas": {
      "put": {
        "tags": [
          "Alertas"
        ],
        "responses": {
          "200": {
            "description": "Success"
          }
        }
      }
```

```
},
"/api/Alertas/SetAlertas": {
  "put": {
    "tags": [
      "Alertas"
    ],
    "parameters": [
      {
        "name": "CodTipoAlerta",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32",
          "default": 0
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Alertas/UpdateAlertas": {
  "put": {
    "tags": [
      "Alertas"
    ],
    "parameters": [
      {
```

```
      "name": "CodTipoEntidad",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    },
    {
      "name": "CodEntidad",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/ChatBot/Chat": {
 "post": {
  "tags": [
   "Chat"
  ],
  "requestBody": {
   "content": {
    "application/json": {
```

```
        "schema": {
          "$ref": "#/components/schemas/ChatRequest"
        }
      },
      "text/json": {
        "schema": {
          "$ref": "#/components/schemas/ChatRequest"
        }
      },
      "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/ChatRequest"
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/ChatBot": {
 "post": {
  "tags": [
   "ChatBot"
  ],
  "requestBody": {
   "content": {
    "application/json": {
```

```
        "schema": {
          "$ref": "#/components/schemas/PreguntaRequest"
        }
      },
      "text/json": {
        "schema": {
          "$ref": "#/components/schemas/PreguntaRequest"
        }
      },
      "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/PreguntaRequest"
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Comentarios/GetAllComentarios": {
 "get": {
  "tags": [
   "Comentarios"
  ],
  "responses": {
   "200": {
    "description": "Success"
```

```
    }
   }
  }
 },
"/api/Comentarios/GetComentarioById/{codComentario}": {
  "get": {
   "tags": [
    "Comentarios"
   ],
   "parameters": [
    {
     "name": "codComentario",
     "in": "path",
     "required": true,
     "schema": {
      "type": "integer",
      "format": "int64"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
"/api/Comentarios/GetComentariosByUsuario/{codUsuario}": {
  "get": {
   "tags": [
    "Comentarios"
```

```
    ],
    "parameters": [
     {
       "name": "codUsuario",
       "in": "path",
       "required": true,
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Comentarios/GetComentariosByParcela/{codParcela}": {
  "get": {
    "tags": [
     "Comentarios"
    ],
    "parameters": [
     {
       "name": "codParcela",
       "in": "path",
       "required": true,
       "schema": {
         "type": "integer",
```

```
        "format": "int32"
       }
      }
     ],
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
  "/api/Comentarios/GetComentariosByPropietario/{codPropietario}": {
   "get": {
    "tags": [
     "Comentarios"
    ],
    "parameters": [
     {
      "name": "codPropietario",
      "in": "path",
      "required": true,
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
```

```
   }
  }
 },
 "/api/Comentarios/AddComentario": {
  "post": {
   "tags": [
    "Comentarios"
   ],
   "requestBody": {
    "content": {
     "application/json": {
      "schema": {
       "$ref": "#/components/schemas/Comentario"
      }
     },
     "text/json": {
      "schema": {
       "$ref": "#/components/schemas/Comentario"
      }
     },
     "application/*+json": {
      "schema": {
       "$ref": "#/components/schemas/Comentario"
      }
     }
    }
   },
   "responses": {
    "200": {
     "description": "Success"
    }
```

```
   }
  }
 },
 "/api/Comentarios/UpdateComentario/{codComentario}": {
  "put": {
   "tags": [
    "Comentarios"
   ],
   "parameters": [
    {
     "name": "codComentario",
     "in": "path",
     "required": true,
     "schema": {
      "type": "integer",
      "format": "int64"
     }
    }
   ],
   "requestBody": {
    "content": {
     "application/json": {
      "schema": {
       "$ref": "#/components/schemas/Comentario"
      }
     },
     "text/json": {
      "schema": {
       "$ref": "#/components/schemas/Comentario"
      }
     },
```

```
      "application/*+json": {
       "schema": {
        "$ref": "#/components/schemas/Comentario"
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Comentarios/DeleteComentario/{codComentario}": {
   "delete": {
    "tags": [
     "Comentarios"
    ],
    "parameters": [
     {
      "name": "codComentario",
      "in": "path",
      "required": true,
      "schema": {
       "type": "integer",
       "format": "int64"
      }
     }
    ],
    "responses": {
```

```
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Comunidad/GetComunidades": {
  "get": {
    "tags": [
      "Comunidad"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Comunidad/GetComunidadById": {
  "get": {
    "tags": [
      "Comunidad"
    ],
    "parameters": [
      {
        "name": "codComunidad",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
```

```
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Comunidad/AddComunidad": {
  "put": {
   "tags": [
    "Comunidad"
   ],
   "requestBody": {
    "content": {
     "application/json": {
      "schema": {
       "$ref": "#/components/schemas/Comunidades"
      }
     },
     "text/json": {
      "schema": {
       "$ref": "#/components/schemas/Comunidades"
      }
     },
     "application/*+json": {
      "schema": {
       "$ref": "#/components/schemas/Comunidades"
      }
     }
```

```
    }
   },
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Comunidad/UpdateComunidad": {
  "put": {
   "tags": [
    "Comunidad"
   ],
   "requestBody": {
    "content": {
     "application/json": {
      "schema": {
       "$ref": "#/components/schemas/Comunidades"
      }
     },
     "text/json": {
      "schema": {
       "$ref": "#/components/schemas/Comunidades"
      }
     },
     "application/*+json": {
      "schema": {
       "$ref": "#/components/schemas/Comunidades"
      }
     }
```

```
    }
   },
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Comunidad/DeleteComunidad": {
  "delete": {
   "tags": [
    "Comunidad"
   ],
   "parameters": [
    {
     "name": "codComunidad",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
```

```
"/api/Contrato/GetContratos": {
  "get": {
    "tags": [
      "Contrato"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Contrato/GetContratoByCod": {
  "get": {
    "tags": [
      "Contrato"
    ],
    "parameters": [
      {
        "name": "CodContrato",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
```

```
   }
  }
 },
 "/api/Contrato/GetContratosByParcela": {
  "get": {
   "tags": [
    "Contrato"
   ],
   "parameters": [
    {
     "name": "CodParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Contrato/GetContratosByPropietario": {
  "get": {
   "tags": [
    "Contrato"
   ],
   "parameters": [
```

```
    {
      "name": "CodPropietario",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Contrato/GetImportesContrato": {
 "get": {
  "tags": [
    "Contrato"
  ],
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Contrato/DeleteContrato": {
 "delete": {
  "tags": [
```

```
      "Contrato"
    ],
    "parameters": [
     {
       "name": "CodContrato",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Contrato/AddContrato": {
  "put": {
    "tags": [
      "Contrato"
    ],
    "requestBody": {
      "content": {
        "multipart/form-data": {
          "schema": {
            "type": "object",
            "properties": {
              "CodContrato": {
```

```
  "type": "integer",
  "format": "int32"
},
"CodTipoContrato": {
  "type": "integer",
  "format": "int32"
},
"TipoContrato": {
  "type": "string"
},
"CodProyecto": {
  "type": "integer",
  "format": "int32"
},
"Proyecto": {
  "type": "string"
},
"CodSociedad": {
  "type": "integer",
  "format": "int32"
},
"FechaFirma": {
  "type": "string",
  "format": "date-time"
},
"Importe": {
  "type": "number",
  "format": "double"
},
"ImporteOT": {
  "type": "number",
```

```
  "format": "double"
},
"Vigencia": {
  "type": "integer",
  "format": "int32"
},
"Prorroga": {
  "type": "integer",
  "format": "int32"
},
"CodTipoPago": {
  "type": "integer",
  "format": "int32"
},
"TipoPago": {
  "type": "string"
},
"CodHito11": {
  "type": "integer",
  "format": "int32"
},
"Meses11": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje11": {
  "type": "integer",
  "format": "int32"
},
"CodHito12": {
  "type": "integer",
```

```
  "format": "int32"
},
"Meses12": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje12": {
  "type": "integer",
  "format": "int32"
},
"CodHito21": {
  "type": "integer",
  "format": "int32"
},
"Meses21": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje21": {
  "type": "integer",
  "format": "int32"
},
"CodHito22": {
  "type": "integer",
  "format": "int32"
},
"Meses22": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje22": {
```

```
  "type": "integer",
  "format": "int32"
},
"Documento": {
  "type": "string",
  "format": "binary"
},
"DocumentPath": {
  "type": "string"
},
"Observaciones": {
  "type": "string"
},
"CodParcelas": {
  "type": "string"
},
"Parcelas": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ParcelaContrato"
  }
},
"Facturas": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Factura"
  }
},
"Adendas": {
  "type": "array",
  "items": {
```

```
        "$ref": "#/components/schemas/Adenda"
      }
    },
    "Anticipos": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Anticipo"
      }
    },
    "TieneDocumento": {
      "type": "boolean"
    },
    "CodTipoFormato": {
      "type": "integer",
      "format": "int32"
    },
    "Alerta": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodContrato": {
    "style": "form"
  },
  "CodTipoContrato": {
    "style": "form"
  },
  "TipoContrato": {
    "style": "form"
  },
```

```
"CodProyecto": {
  "style": "form"
},
"Proyecto": {
  "style": "form"
},
"CodSociedad": {
  "style": "form"
},
"FechaFirma": {
  "style": "form"
},
"Importe": {
  "style": "form"
},
"ImporteOT": {
  "style": "form"
},
"Vigencia": {
  "style": "form"
},
"Prorroga": {
  "style": "form"
},
"CodTipoPago": {
  "style": "form"
},
"TipoPago": {
  "style": "form"
},
"CodHito11": {
```

```
  "style": "form"
},
"Meses11": {
  "style": "form"
},
"Porcentaje11": {
  "style": "form"
},
"CodHito12": {
  "style": "form"
},
"Meses12": {
  "style": "form"
},
"Porcentaje12": {
  "style": "form"
},
"CodHito21": {
  "style": "form"
},
"Meses21": {
  "style": "form"
},
"Porcentaje21": {
  "style": "form"
},
"CodHito22": {
  "style": "form"
},
"Meses22": {
  "style": "form"
```

```
},
"Porcentaje22": {
  "style": "form"
},
"Documento": {
  "style": "form"
},
"DocumentPath": {
  "style": "form"
},
"Observaciones": {
  "style": "form"
},
"CodParcelas": {
  "style": "form"
},
"Parcelas": {
  "style": "form"
},
"Facturas": {
  "style": "form"
},
"Adendas": {
  "style": "form"
},
"Anticipos": {
  "style": "form"
},
"TieneDocumento": {
  "style": "form"
},
```

```
          "CodTipoFormato": {
            "style": "form"
          },
          "Alerta": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Contrato/UpdateContrato": {
 "put": {
  "tags": [
    "Contrato"
  ],
  "requestBody": {
    "content": {
      "multipart/form-data": {
        "schema": {
          "type": "object",
          "properties": {
            "CodContrato": {
              "type": "integer",
              "format": "int32"
```

```
},
"CodTipoContrato": {
  "type": "integer",
  "format": "int32"
},
"TipoContrato": {
  "type": "string"
},
"CodProyecto": {
  "type": "integer",
  "format": "int32"
},
"Proyecto": {
  "type": "string"
},
"CodSociedad": {
  "type": "integer",
  "format": "int32"
},
"FechaFirma": {
  "type": "string",
  "format": "date-time"
},
"Importe": {
  "type": "number",
  "format": "double"
},
"ImporteOT": {
  "type": "number",
  "format": "double"
},
```

```
"Vigencia": {
  "type": "integer",
  "format": "int32"
},
"Prorroga": {
  "type": "integer",
  "format": "int32"
},
"CodTipoPago": {
  "type": "integer",
  "format": "int32"
},
"TipoPago": {
  "type": "string"
},
"CodHito11": {
  "type": "integer",
  "format": "int32"
},
"Meses11": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje11": {
  "type": "integer",
  "format": "int32"
},
"CodHito12": {
  "type": "integer",
  "format": "int32"
},
```

```
"Meses12": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje12": {
  "type": "integer",
  "format": "int32"
},
"CodHito21": {
  "type": "integer",
  "format": "int32"
},
"Meses21": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje21": {
  "type": "integer",
  "format": "int32"
},
"CodHito22": {
  "type": "integer",
  "format": "int32"
},
"Meses22": {
  "type": "integer",
  "format": "int32"
},
"Porcentaje22": {
  "type": "integer",
  "format": "int32"
```

```
},
"Documento": {
 "type": "string",
 "format": "binary"
},
"DocumentPath": {
 "type": "string"
},
"Observaciones": {
 "type": "string"
},
"CodParcelas": {
 "type": "string"
},
"Parcelas": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/ParcelaContrato"
 }
},
"Facturas": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/Factura"
 }
},
"Adendas": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/Adenda"
 }
```

```
    },
    "Anticipos": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Anticipo"
      }
    },
    "TieneDocumento": {
      "type": "boolean"
    },
    "CodTipoFormato": {
      "type": "integer",
      "format": "int32"
    },
    "Alerta": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodContrato": {
    "style": "form"
  },
  "CodTipoContrato": {
    "style": "form"
  },
  "TipoContrato": {
    "style": "form"
  },
  "CodProyecto": {
    "style": "form"
```

```
},
"Proyecto": {
  "style": "form"
},
"CodSociedad": {
  "style": "form"
},
"FechaFirma": {
  "style": "form"
},
"Importe": {
  "style": "form"
},
"ImporteOT": {
  "style": "form"
},
"Vigencia": {
  "style": "form"
},
"Prorroga": {
  "style": "form"
},
"CodTipoPago": {
  "style": "form"
},
"TipoPago": {
  "style": "form"
},
"CodHito11": {
  "style": "form"
},
```

```
"Meses11": {
  "style": "form"
},
"Porcentaje11": {
  "style": "form"
},
"CodHito12": {
  "style": "form"
},
"Meses12": {
  "style": "form"
},
"Porcentaje12": {
  "style": "form"
},
"CodHito21": {
  "style": "form"
},
"Meses21": {
  "style": "form"
},
"Porcentaje21": {
  "style": "form"
},
"CodHito22": {
  "style": "form"
},
"Meses22": {
  "style": "form"
},
"Porcentaje22": {
```

```
  "style": "form"
},
"Documento": {
  "style": "form"
},
"DocumentPath": {
  "style": "form"
},
"Observaciones": {
  "style": "form"
},
"CodParcelas": {
  "style": "form"
},
"Parcelas": {
  "style": "form"
},
"Facturas": {
  "style": "form"
},
"Adendas": {
  "style": "form"
},
"Anticipos": {
  "style": "form"
},
"TieneDocumento": {
  "style": "form"
},
"CodTipoFormato": {
  "style": "form"
```

```
          },
          "Alerta": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Contrato/AddAdenda": {
 "put": {
  "tags": [
   "Contrato"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodAdenda": {
        "type": "integer",
        "format": "int32"
       },
       "CodContrato": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "Fecha": {
      "type": "string",
      "format": "date-time"
    },
    "Superficie": {
      "type": "boolean"
    },
    "Importe": {
      "type": "boolean"
    },
    "Plazo": {
      "type": "boolean"
    },
    "Titularidad": {
      "type": "boolean"
    },
    "Otros": {
      "type": "boolean"
    }
  }
},
"encoding": {
  "CodAdenda": {
    "style": "form"
  },
  "CodContrato": {
    "style": "form"
  },
```

```
          "Fecha": {
            "style": "form"
          },
          "Superficie": {
            "style": "form"
          },
          "Importe": {
            "style": "form"
          },
          "Plazo": {
            "style": "form"
          },
          "Titularidad": {
            "style": "form"
          },
          "Otros": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Contrato/AddAnticipo": {
 "put": {
```

```
"tags": [
  "Contrato"
],
"requestBody": {
  "content": {
    "multipart/form-data": {
      "schema": {
        "type": "object",
        "properties": {
          "CodAnticipo": {
            "type": "integer",
            "format": "int32"
          },
          "CodContrato": {
            "type": "integer",
            "format": "int32"
          },
          "Fecha": {
            "type": "string",
            "format": "date-time"
          },
          "Importe": {
            "type": "number",
            "format": "double"
          },
          "CodTipoPago": {
            "type": "integer",
            "format": "int32"
          },
          "Vigencia": {
            "type": "integer",
```

```
      "format": "int32"
    },
    "Prorroga": {
      "type": "integer",
      "format": "int32"
    }
  }
},
"encoding": {
  "CodAnticipo": {
    "style": "form"
  },
  "CodContrato": {
    "style": "form"
  },
  "Fecha": {
    "style": "form"
  },
  "Importe": {
    "style": "form"
  },
  "CodTipoPago": {
    "style": "form"
  },
  "Vigencia": {
    "style": "form"
  },
  "Prorroga": {
    "style": "form"
  }
}
```

```
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Contrato/GetHitos": {
   "get": {
    "tags": [
     "Contrato"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Contrato/GetTiposContrato": {
   "get": {
    "tags": [
     "Contrato"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
```

```
   }
  }
 },
 "/api/Contrato/GetFacturas": {
  "get": {
   "tags": [
    "Contrato"
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Contrato/GetFacturasByCodContrato": {
  "get": {
   "tags": [
    "Contrato"
   ],
   "parameters": [
    {
     "name": "codContrato",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
```

```
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Contrato/GetFacturasByPropietario": {
  "get": {
    "tags": [
      "Contrato"
    ],
    "parameters": [
      {
        "name": "codPropietario",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Contrato/AddFactura": {
  "put": {
    "tags": [
```

```
  "Contrato"
],
"requestBody": {
  "content": {
    "multipart/form-data": {
      "schema": {
        "type": "object",
        "properties": {
          "CodFactura": {
            "type": "integer",
            "format": "int32"
          },
          "CodContrato": {
            "type": "integer",
            "format": "int32"
          },
          "CodTipoContrato": {
            "type": "integer",
            "format": "int32"
          },
          "CodProyecto": {
            "type": "integer",
            "format": "int32"
          },
          "CodPropietario": {
            "type": "integer",
            "format": "int32"
          },
          "Propietario.CodPropietario": {
            "type": "integer",
            "format": "int32"
```

```
},
"Propietario.Nombre": {
  "type": "string"
},
"Propietario.Apellidos": {
  "type": "string"
},
"Propietario.DNI": {
  "type": "string"
},
"Propietario.Direccion": {
  "type": "string"
},
"Propietario.CodProvincia": {
  "type": "integer",
  "format": "int32"
},
"Propietario.Poblacion": {
  "type": "string"
},
"Propietario.CP": {
  "type": "string"
},
"Propietario.Telefono1": {
  "type": "string"
},
"Propietario.Telefono2": {
  "type": "string"
},
"Propietario.EMail": {
  "type": "string"
```

```
},
"Propietario.CCB": {
 "type": "string"
},
"Propietario.BIC": {
 "type": "string"
},
"Propietario.Obs": {
 "type": "string"
},
"Propietario.NumProveedor": {
 "type": "string"
},
"IsPago": {
 "type": "boolean"
},
"AutoGenerated": {
 "type": "boolean"
},
"NumFactura": {
 "type": "string"
},
"Fecha": {
 "type": "string",
 "format": "date-time"
},
"Concepto": {
 "type": "string"
},
"Importe": {
 "type": "number",
```

```
  "format": "double"
},
"AlcanceDesde": {
  "type": "string",
  "format": "date-time"
},
"AlcanceHasta": {
  "type": "string",
  "format": "date-time"
},
"Hito": {
  "type": "integer",
  "format": "int32"
},
"Documento": {
  "type": "string",
  "format": "binary"
},
"DocumentoPath": {
  "type": "string"
},
"Justificante": {
  "type": "string"
},
"JustificantePath": {
  "type": "string"
},
"CodEstadoFactura": {
  "type": "integer",
  "format": "int32"
},
```

```
    "FechaRecepcion": {
      "type": "string",
      "format": "date-time"
    },
    "FechaSolicitudPago": {
      "type": "string",
      "format": "date-time"
    },
    "FechaPago": {
      "type": "string",
      "format": "date-time"
    },
    "Observaciones": {
      "type": "string"
    },
    "Alerta": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodFactura": {
    "style": "form"
  },
  "CodContrato": {
    "style": "form"
  },
  "CodTipoContrato": {
    "style": "form"
  },
  "CodProyecto": {
```

```
  "style": "form"
},
"CodPropietario": {
  "style": "form"
},
"Propietario.CodPropietario": {
  "style": "form"
},
"Propietario.Nombre": {
  "style": "form"
},
"Propietario.Apellidos": {
  "style": "form"
},
"Propietario.DNI": {
  "style": "form"
},
"Propietario.Direccion": {
  "style": "form"
},
"Propietario.CodProvincia": {
  "style": "form"
},
"Propietario.Poblacion": {
  "style": "form"
},
"Propietario.CP": {
  "style": "form"
},
"Propietario.Telefono1": {
  "style": "form"
```

```
},
"Propietario.Telefono2": {
  "style": "form"
},
"Propietario.EMail": {
  "style": "form"
},
"Propietario.CCB": {
  "style": "form"
},
"Propietario.BIC": {
  "style": "form"
},
"Propietario.Obs": {
  "style": "form"
},
"Propietario.NumProveedor": {
  "style": "form"
},
"IsPago": {
  "style": "form"
},
"AutoGenerated": {
  "style": "form"
},
"NumFactura": {
  "style": "form"
},
"Fecha": {
  "style": "form"
},
```

```
"Concepto": {
  "style": "form"
},
"Importe": {
  "style": "form"
},
"AlcanceDesde": {
  "style": "form"
},
"AlcanceHasta": {
  "style": "form"
},
"Hito": {
  "style": "form"
},
"Documento": {
  "style": "form"
},
"DocumentoPath": {
  "style": "form"
},
"Justificante": {
  "style": "form"
},
"JustificantePath": {
  "style": "form"
},
"CodEstadoFactura": {
  "style": "form"
},
"FechaRecepcion": {
```

```
          "style": "form"
        },
        "FechaSolicitudPago": {
          "style": "form"
        },
        "FechaPago": {
          "style": "form"
        },
        "Observaciones": {
          "style": "form"
        },
        "Alerta": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Contrato/UpdateFactura": {
   "put": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
```

```
"content": {
  "multipart/form-data": {
    "schema": {
      "type": "object",
      "properties": {
        "CodFactura": {
          "type": "integer",
          "format": "int32"
        },
        "CodContrato": {
          "type": "integer",
          "format": "int32"
        },
        "CodTipoContrato": {
          "type": "integer",
          "format": "int32"
        },
        "CodProyecto": {
          "type": "integer",
          "format": "int32"
        },
        "CodPropietario": {
          "type": "integer",
          "format": "int32"
        },
        "Propietario.CodPropietario": {
          "type": "integer",
          "format": "int32"
        },
        "Propietario.Nombre": {
          "type": "string"
```

```
},
"Propietario.Apellidos": {
  "type": "string"
},
"Propietario.DNI": {
  "type": "string"
},
"Propietario.Direccion": {
  "type": "string"
},
"Propietario.CodProvincia": {
  "type": "integer",
  "format": "int32"
},
"Propietario.Poblacion": {
  "type": "string"
},
"Propietario.CP": {
  "type": "string"
},
"Propietario.Telefono1": {
  "type": "string"
},
"Propietario.Telefono2": {
  "type": "string"
},
"Propietario.EMail": {
  "type": "string"
},
"Propietario.CCB": {
  "type": "string"
```

```
},
"Propietario.BIC": {
 "type": "string"
},
"Propietario.Obs": {
 "type": "string"
},
"Propietario.NumProveedor": {
 "type": "string"
},
"IsPago": {
 "type": "boolean"
},
"AutoGenerated": {
 "type": "boolean"
},
"NumFactura": {
 "type": "string"
},
"Fecha": {
 "type": "string",
 "format": "date-time"
},
"Concepto": {
 "type": "string"
},
"Importe": {
 "type": "number",
 "format": "double"
},
"AlcanceDesde": {
```

```
  "type": "string",
  "format": "date-time"
},
"AlcanceHasta": {
  "type": "string",
  "format": "date-time"
},
"Hito": {
  "type": "integer",
  "format": "int32"
},
"Documento": {
  "type": "string",
  "format": "binary"
},
"DocumentoPath": {
  "type": "string"
},
"Justificante": {
  "type": "string"
},
"JustificantePath": {
  "type": "string"
},
"CodEstadoFactura": {
  "type": "integer",
  "format": "int32"
},
"FechaRecepcion": {
  "type": "string",
  "format": "date-time"
```

```
    },
    "FechaSolicitudPago": {
      "type": "string",
      "format": "date-time"
    },
    "FechaPago": {
      "type": "string",
      "format": "date-time"
    },
    "Observaciones": {
      "type": "string"
    },
    "Alerta": {
      "type": "string"
    },
    "esJustificante": {
      "type": "boolean"
    },
    "subirDocumento": {
      "type": "boolean",
      "default": true
    }
  }
},
"encoding": {
  "CodFactura": {
    "style": "form"
  },
  "CodContrato": {
    "style": "form"
  },
```

```
"CodTipoContrato": {
  "style": "form"
},
"CodProyecto": {
  "style": "form"
},
"CodPropietario": {
  "style": "form"
},
"Propietario.CodPropietario": {
  "style": "form"
},
"Propietario.Nombre": {
  "style": "form"
},
"Propietario.Apellidos": {
  "style": "form"
},
"Propietario.DNI": {
  "style": "form"
},
"Propietario.Direccion": {
  "style": "form"
},
"Propietario.CodProvincia": {
  "style": "form"
},
"Propietario.Poblacion": {
  "style": "form"
},
"Propietario.CP": {
```

```
  "style": "form"
},
"Propietario.Telefono1": {
  "style": "form"
},
"Propietario.Telefono2": {
  "style": "form"
},
"Propietario.EMail": {
  "style": "form"
},
"Propietario.CCB": {
  "style": "form"
},
"Propietario.BIC": {
  "style": "form"
},
"Propietario.Obs": {
  "style": "form"
},
"Propietario.NumProveedor": {
  "style": "form"
},
"IsPago": {
  "style": "form"
},
"AutoGenerated": {
  "style": "form"
},
"NumFactura": {
  "style": "form"
```

```
},
"Fecha": {
  "style": "form"
},
"Concepto": {
  "style": "form"
},
"Importe": {
  "style": "form"
},
"AlcanceDesde": {
  "style": "form"
},
"AlcanceHasta": {
  "style": "form"
},
"Hito": {
  "style": "form"
},
"Documento": {
  "style": "form"
},
"DocumentoPath": {
  "style": "form"
},
"Justificante": {
  "style": "form"
},
"JustificantePath": {
  "style": "form"
},
```

```
      "CodEstadoFactura": {
        "style": "form"
      },
      "FechaRecepcion": {
        "style": "form"
      },
      "FechaSolicitudPago": {
        "style": "form"
      },
      "FechaPago": {
        "style": "form"
      },
      "Observaciones": {
        "style": "form"
      },
      "Alerta": {
        "style": "form"
      },
      "esJustificante": {
        "style": "form"
      },
      "subirDocumento": {
        "style": "form"
      }
    }
   }
  }
 },
 "responses": {
  "200": {
   "description": "Success"
```

```
    }
   }
  }
 },
"/api/Contrato/DeleteFactura": {
 "delete": {
  "tags": [
   "Contrato"
  ],
  "parameters": [
   {
    "name": "codFactura",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Contrato/DeleteAdenda": {
 "delete": {
  "tags": [
   "Contrato"
  ],
```

```
    "parameters": [
     {
       "name": "codAdenda",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Contrato/DeleteAnticipo": {
  "delete": {
    "tags": [
     "Contrato"
    ],
    "parameters": [
     {
       "name": "codAnticipo",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
 "/api/Contrato/UpdateEstadoFactura": {
   "post": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
     "content": {
       "multipart/form-data": {
         "schema": {
           "type": "object",
           "properties": {
             "CodFactura": {
               "type": "integer",
               "format": "int32"
             },
             "NewState": {
               "type": "integer",
               "format": "int32"
             },
             "Documento": {
               "type": "string",
               "format": "binary"
             },
```

```
    "DocumentoPath": {
      "type": "string"
    },
    "FechaRecepcion": {
      "type": "string",
      "format": "date-time"
    },
    "FechaSolicitudPago": {
      "type": "string",
      "format": "date-time"
    },
    "FechaPago": {
      "type": "string",
      "format": "date-time"
    }
  }
},
"encoding": {
  "CodFactura": {
    "style": "form"
  },
  "NewState": {
    "style": "form"
  },
  "Documento": {
    "style": "form"
  },
  "DocumentoPath": {
    "style": "form"
  },
  "FechaRecepcion": {
```

```
          "style": "form"
         },
         "FechaSolicitudPago": {
          "style": "form"
         },
         "FechaPago": {
          "style": "form"
         }
        }
       }
      }
     },
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
   "/api/Contrato/GetAllDocumentosContratos": {
    "get": {
     "tags": [
      "Contrato"
     ],
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
```

```
"/api/Contrato/GetDocumentosByCodContratos": {
 "get": {
  "tags": [
   "Contrato"
  ],
  "parameters": [
   {
    "name": "codContratos",
    "in": "query",
    "schema": {
     "type": "string"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Contrato/GetDocumentosByCodContrato": {
 "get": {
  "tags": [
   "Contrato"
  ],
  "parameters": [
   {
    "name": "codContrato",
    "in": "query",
    "schema": {
```

```
        "type": "integer",
        "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
 "/api/Contrato/UploadDocumento": {
  "put": {
   "tags": [
    "Contrato"
   ],
   "requestBody": {
    "content": {
     "multipart/form-data": {
      "schema": {
       "type": "object",
       "properties": {
        "CodContrato": {
         "type": "integer",
         "format": "int32"
        },
        "CodTipoFormato": {
         "type": "integer",
         "format": "int32"
        },
```

```
"CodDocumento": {
  "type": "integer",
  "format": "int32"
},
"CodTipoDocumento": {
  "type": "integer",
  "format": "int32"
},
"TipoDocumento": {
  "type": "string"
},
"TipoDocumentoValidable": {
  "type": "boolean"
},
"Fecha": {
  "type": "string",
  "format": "date-time"
},
"Validable": {
  "type": "boolean"
},
"Fichero": {
  "type": "string",
  "format": "binary"
},
"FicheroBase64": {
  "type": "string"
},
"Nombre": {
  "type": "string"
},
```

```
"EntityCode": {
  "type": "integer",
  "format": "int32"
},
"CodTipoEntidad": {
  "type": "integer",
  "format": "int32"
},
"CodUsuario": {
  "type": "integer",
  "format": "int32"
},
"Afecta": {
  "type": "string"
},
"Obs": {
  "type": "string"
},
"Propietarios": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/PropietarioDocumento"
  }
},
"Parcelas": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ParcelaDocumento"
  }
},
"Contratos": {
```

```
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ContratoDocumento"
  }
},
"Proyectos": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ProyectoLite"
  }
},
"Validaciones.CodTipoEntidad": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CodDocumento": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CodEntidades": {
  "type": "array",
  "items": {
    "type": "integer",
    "format": "int32"
  }
},
"Validaciones.CurrentValidation.CodValidacion": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CurrentValidation.Valor": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "Validaciones.CurrentValidation.ValorTexto": {
      "type": "string"
    },
    "Validaciones.CurrentValidation.Observaciones": {
      "type": "string"
    },
    "Validaciones.CurrentValidation.Fecha": {
      "type": "string",
      "format": "date-time"
    },
    "Validaciones.CurrentValidation.CodValidador": {
      "type": "integer",
      "format": "int32"
    },
    "Validaciones.CurrentValidation.Validador": {
      "type": "string"
    },
    "Validaciones.Validaciones": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Validacion"
      }
    }
  }
},
"encoding": {
  "CodContrato": {
    "style": "form"
```

```
},
"CodTipoFormato": {
  "style": "form"
},
"CodDocumento": {
  "style": "form"
},
"CodTipoDocumento": {
  "style": "form"
},
"TipoDocumento": {
  "style": "form"
},
"TipoDocumentoValidable": {
  "style": "form"
},
"Fecha": {
  "style": "form"
},
"Validable": {
  "style": "form"
},
"Fichero": {
  "style": "form"
},
"FicheroBase64": {
  "style": "form"
},
"Nombre": {
  "style": "form"
},
```

```
"EntityCode": {
  "style": "form"
},
"CodTipoEntidad": {
  "style": "form"
},
"CodUsuario": {
  "style": "form"
},
"Afecta": {
  "style": "form"
},
"Obs": {
  "style": "form"
},
"Propietarios": {
  "style": "form"
},
"Parcelas": {
  "style": "form"
},
"Contratos": {
  "style": "form"
},
"Proyectos": {
  "style": "form"
},
"Validaciones.CodTipoEntidad": {
  "style": "form"
},
"Validaciones.CodDocumento": {
```

```
    "style": "form"
   },
   "Validaciones.CodEntidades": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.CodValidacion": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.Valor": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.ValorTexto": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.Observaciones": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.Fecha": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.CodValidador": {
    "style": "form"
   },
   "Validaciones.CurrentValidation.Validador": {
    "style": "form"
   },
   "Validaciones.Validaciones": {
    "style": "form"
   }
  }
}
```

```
      }
    },
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Contrato/UpdateDocumentoContrato": {
  "put": {
    "tags": [
      "Contrato"
    ],
    "parameters": [
      {
        "name": "codDocumento",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      },
      {
        "name": "codTipoFormato",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      },
```

```
    {
      "name": "obs",
      "in": "query",
      "schema": {
        "type": "string"
      }
    }
   ],
   "responses": {
    "200": {
      "description": "Success"
    }
   }
  }
},
"/api/Contrato/DeleteDocumento": {
 "delete": {
   "tags": [
    "Contrato"
   ],
   "parameters": [
    {
      "name": "codDocumento",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
   ],
   "responses": {
```

```
    "200": {
      "description": "Success"
    }
   }
  }
},
"/api/Contrato/GetAllProveedores": {
 "get": {
  "tags": [
   "Contrato"
  ],
  "parameters": [
   {
    "name": "CodTipoProveedor",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Contrato/GetProveedorById/{id}": {
 "get": {
  "tags": [
```

```
      "Contrato"
    ],
    "parameters": [
     {
       "name": "id",
       "in": "path",
       "required": true,
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Contrato/CreateProveedor": {
  "post": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
     "content": {
       "application/json": {
         "schema": {
           "$ref": "#/components/schemas/Proveedor"
         }
```

```
      },
      "text/json": {
       "schema": {
         "$ref": "#/components/schemas/Proveedor"
       }
      },
      "application/*+json": {
       "schema": {
         "$ref": "#/components/schemas/Proveedor"
       }
      }
     }
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
},
"/api/Contrato/UpdateProveedor": {
  "put": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
     "content": {
       "application/json": {
         "schema": {
           "$ref": "#/components/schemas/Proveedor"
         }
```

```
      },
      "text/json": {
       "schema": {
         "$ref": "#/components/schemas/Proveedor"
       }
      },
      "application/*+json": {
       "schema": {
         "$ref": "#/components/schemas/Proveedor"
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Contrato/DeleteProveedor/{id}": {
   "delete": {
    "tags": [
     "Contrato"
    ],
    "parameters": [
     {
      "name": "id",
      "in": "path",
      "required": true,
      "schema": {
```

```
        "type": "integer",
        "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Contrato/GetPedidosFromProveedor/{codProveedor}": {
  "get": {
    "tags": [
     "Contrato"
    ],
    "parameters": [
     {
      "name": "codProveedor",
      "in": "path",
      "required": true,
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
```

```
    }
   }
  }
 },
"/api/Contrato/CreatePedidoFromProveedor": {
 "post": {
  "tags": [
   "Contrato"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodProveedor": {
        "type": "integer",
        "format": "int32"
       },
       "CodPedido": {
        "type": "integer",
        "format": "int32"
       },
       "Importe": {
        "type": "number",
        "format": "double"
       },
       "NumPedido": {
        "type": "string"
       },
       "Documento": {
```

```
      "type": "string"
    },
    "DocumentoPedido": {
      "type": "string",
      "format": "binary"
    },
    "FechaPedido": {
      "type": "string",
      "format": "date-time"
    },
    "Facturas": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Proveedor_Pedido_Factura"
      }
    },
    "CodigosProyectos": {
      "type": "array",
      "items": {
        "type": "integer",
        "format": "int32"
      }
    },
    "Proyectos": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Proyectos"
      }
    }
  }
},
```

```
"encoding": {
 "CodProveedor": {
  "style": "form"
 },
 "CodPedido": {
  "style": "form"
 },
 "Importe": {
  "style": "form"
 },
 "NumPedido": {
  "style": "form"
 },
 "Documento": {
  "style": "form"
 },
 "DocumentoPedido": {
  "style": "form"
 },
 "FechaPedido": {
  "style": "form"
 },
 "Facturas": {
  "style": "form"
 },
 "CodigosProyectos": {
  "style": "form"
 },
 "Proyectos": {
  "style": "form"
 }
```

```
        }
       }
      }
     },
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
  "/api/Contrato/UpdatePedidoFromProveedor": {
   "put": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
     "content": {
      "multipart/form-data": {
       "schema": {
        "type": "object",
        "properties": {
         "CodProveedor": {
          "type": "integer",
          "format": "int32"
         },
         "CodPedido": {
          "type": "integer",
          "format": "int32"
         },
         "Importe": {
```

```
  "type": "number",
  "format": "double"
},
"NumPedido": {
  "type": "string"
},
"Documento": {
  "type": "string"
},
"DocumentoPedido": {
  "type": "string",
  "format": "binary"
},
"FechaPedido": {
  "type": "string",
  "format": "date-time"
},
"Facturas": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Proveedor_Pedido_Factura"
  }
},
"CodigosProyectos": {
  "type": "array",
  "items": {
    "type": "integer",
    "format": "int32"
  }
},
"Proyectos": {
```

```
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Proyectos"
      }
    }
  }
},
"encoding": {
  "CodProveedor": {
    "style": "form"
  },
  "CodPedido": {
    "style": "form"
  },
  "Importe": {
    "style": "form"
  },
  "NumPedido": {
    "style": "form"
  },
  "Documento": {
    "style": "form"
  },
  "DocumentoPedido": {
    "style": "form"
  },
  "FechaPedido": {
    "style": "form"
  },
  "Facturas": {
    "style": "form"
```

```
        },
        "CodigosProyectos": {
          "style": "form"
        },
        "Proyectos": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Contrato/DeletePedidoFromProveedor/{codPedido}": {
  "delete": {
    "tags": [
     "Contrato"
    ],
    "parameters": [
     {
       "name": "codPedido",
       "in": "path",
       "required": true,
       "schema": {
         "type": "integer",
         "format": "int32"
```

```
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
 "/api/Contrato/GetFacturasFromPedido/{codPedido}": {
  "get": {
   "tags": [
    "Contrato"
   ],
   "parameters": [
    {
     "name": "codPedido",
     "in": "path",
     "required": true,
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
```

```
 }
},
"/api/Contrato/CreateFacturaFromPedido": {
 "post": {
  "tags": [
   "Contrato"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodPedido": {
        "type": "integer",
        "format": "int32"
       },
       "CodFactura": {
        "type": "integer",
        "format": "int32"
       },
       "Importe": {
        "type": "number",
        "format": "double"
       },
       "Documento": {
        "type": "string"
       },
       "DocumentoFactura": {
        "type": "string",
        "format": "binary"
```

```
    },
    "FechaFactura": {
      "type": "string",
      "format": "date-time"
    },
    "NumFactura": {
      "type": "string"
    },
    "FechaSolicitudPago": {
      "type": "string",
      "format": "date-time"
    },
    "FechaPago": {
      "type": "string",
      "format": "date-time"
    },
    "JustificantePago": {
      "type": "string"
    },
    "DocumentoJustificante": {
      "type": "string",
      "format": "binary"
    },
    "Estado": {
      "type": "integer",
      "format": "int32"
    }
  }
},
"encoding": {
  "CodPedido": {
```

```
  "style": "form"
},
"CodFactura": {
  "style": "form"
},
"Importe": {
  "style": "form"
},
"Documento": {
  "style": "form"
},
"DocumentoFactura": {
  "style": "form"
},
"FechaFactura": {
  "style": "form"
},
"NumFactura": {
  "style": "form"
},
"FechaSolicitudPago": {
  "style": "form"
},
"FechaPago": {
  "style": "form"
},
"JustificantePago": {
  "style": "form"
},
"DocumentoJustificante": {
  "style": "form"
```

```
        },
        "Estado": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Contrato/UpdateFacturaFromPedido": {
  "put": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
     "content": {
      "multipart/form-data": {
       "schema": {
        "type": "object",
        "properties": {
         "CodPedido": {
          "type": "integer",
          "format": "int32"
         },
         "CodFactura": {
```

```
  "type": "integer",
  "format": "int32"
},
"Importe": {
  "type": "number",
  "format": "double"
},
"Documento": {
  "type": "string"
},
"DocumentoFactura": {
  "type": "string",
  "format": "binary"
},
"FechaFactura": {
  "type": "string",
  "format": "date-time"
},
"NumFactura": {
  "type": "string"
},
"FechaSolicitudPago": {
  "type": "string",
  "format": "date-time"
},
"FechaPago": {
  "type": "string",
  "format": "date-time"
},
"JustificantePago": {
  "type": "string"
```

```
    },
    "DocumentoJustificante": {
      "type": "string",
      "format": "binary"
    },
    "Estado": {
      "type": "integer",
      "format": "int32"
    }
  }
},
"encoding": {
  "CodPedido": {
    "style": "form"
  },
  "CodFactura": {
    "style": "form"
  },
  "Importe": {
    "style": "form"
  },
  "Documento": {
    "style": "form"
  },
  "DocumentoFactura": {
    "style": "form"
  },
  "FechaFactura": {
    "style": "form"
  },
  "NumFactura": {
```

```
          "style": "form"
        },
        "FechaSolicitudPago": {
          "style": "form"
        },
        "FechaPago": {
          "style": "form"
        },
        "JustificantePago": {
          "style": "form"
        },
        "DocumentoJustificante": {
          "style": "form"
        },
        "Estado": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Contrato/DeleteFacturaFromPedido/{codFactura}": {
   "delete": {
    "tags": [
```

```
      "Contrato"
    ],
    "parameters": [
     {
       "name": "codFactura",
       "in": "path",
       "required": true,
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Contrato/UpdatePagoFactura": {
  "put": {
    "tags": [
     "Contrato"
    ],
    "requestBody": {
     "content": {
       "multipart/form-data": {
         "schema": {
           "type": "object",
           "properties": {
```

```
"CodPedido": {
  "type": "integer",
  "format": "int32"
},
"CodFactura": {
  "type": "integer",
  "format": "int32"
},
"Importe": {
  "type": "number",
  "format": "double"
},
"Documento": {
  "type": "string"
},
"DocumentoFactura": {
  "type": "string",
  "format": "binary"
},
"FechaFactura": {
  "type": "string",
  "format": "date-time"
},
"NumFactura": {
  "type": "string"
},
"FechaSolicitudPago": {
  "type": "string",
  "format": "date-time"
},
"FechaPago": {
```

```
      "type": "string",
      "format": "date-time"
    },
    "JustificantePago": {
      "type": "string"
    },
    "DocumentoJustificante": {
      "type": "string",
      "format": "binary"
    },
    "Estado": {
      "type": "integer",
      "format": "int32"
    }
  }
},
"encoding": {
  "CodPedido": {
    "style": "form"
  },
  "CodFactura": {
    "style": "form"
  },
  "Importe": {
    "style": "form"
  },
  "Documento": {
    "style": "form"
  },
  "DocumentoFactura": {
    "style": "form"
```

```
      },
      "FechaFactura": {
        "style": "form"
      },
      "NumFactura": {
        "style": "form"
      },
      "FechaSolicitudPago": {
        "style": "form"
      },
      "FechaPago": {
        "style": "form"
      },
      "JustificantePago": {
        "style": "form"
      },
      "DocumentoJustificante": {
        "style": "form"
      },
      "Estado": {
        "style": "form"
      }
    }
   }
  }
},
"responses": {
  "200": {
    "description": "Success"
  }
}
```

```
 }
},
"/api/CostesOcupacionesConfiguracion/GetCostesConfiguracion": {
 "get": {
  "tags": [
   "CostesOcupacionesConfiguracion"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/CostesOcupacionesConfiguracion/UpdateCostesConfiguracion": {
 "put": {
  "tags": [
   "CostesOcupacionesConfiguracion"
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Costes_Ocupaciones_Configuracion"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Costes_Ocupaciones_Configuracion"
     }
    },
```

```
      "application/*+json": {
       "schema": {
        "$ref": "#/components/schemas/Costes_Ocupaciones_Configuracion"
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Elementos/GetAllElementos": {
   "get": {
    "tags": [
     "Elementos"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Elementos/GetElementosByTipoProyecto": {
   "get": {
    "tags": [
     "Elementos"
    ],
```

```
    "parameters": [
     {
       "name": "CodTipoProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Elementos/GetElementoById": {
  "get": {
    "tags": [
     "Elementos"
    ],
    "parameters": [
     {
       "name": "codElemento",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Elementos/GetTiposSuelo": {
   "get": {
    "tags": [
     "Elementos"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Elementos/AddElemento": {
   "post": {
    "tags": [
     "Elementos"
    ],
    "requestBody": {
     "content": {
       "application/json": {
         "schema": {
           "$ref": "#/components/schemas/Elemento_Constructivo"
         }
```

```
      },
      "text/json": {
       "schema": {
        "$ref": "#/components/schemas/Elemento_Constructivo"
       }
      },
      "application/*+json": {
       "schema": {
        "$ref": "#/components/schemas/Elemento_Constructivo"
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Elementos/UpdateElemento": {
  "put": {
    "tags": [
     "Elementos"
    ],
    "requestBody": {
     "content": {
      "application/json": {
       "schema": {
        "$ref": "#/components/schemas/Elemento_Constructivo"
       }
```

```
      },
      "text/json": {
       "schema": {
         "$ref": "#/components/schemas/Elemento_Constructivo"
       }
      },
      "application/*+json": {
       "schema": {
         "$ref": "#/components/schemas/Elemento_Constructivo"
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Elementos/DeleteElemento": {
  "delete": {
    "tags": [
     "Elementos"
    ],
    "parameters": [
     {
      "name": "codElemento",
      "in": "query",
      "schema": {
       "type": "integer",
```

```
        "format": "int32"
       }
      }
     ],
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
  "/api/ElementosTipos/GetTiposConstructivos": {
   "get": {
    "tags": [
     "ElementosTipos"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/ElementosTipos/GetElementosTiposById": {
   "get": {
    "tags": [
     "ElementosTipos"
    ],
    "parameters": [
     {
      "name": "codElementoTipo",
```

```
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/ElementosTipos/GetElementosTiposByCodParcela": {
   "get": {
    "tags": [
     "ElementosTipos"
    ],
    "parameters": [
     {
      "name": "codParcela",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
  },
"/api/ElementosTipos/AddTipoConstructivo": {
  "put": {
   "tags": [
    "ElementosTipos"
   ],
   "requestBody": {
    "content": {
     "application/json": {
      "schema": {
       "$ref": "#/components/schemas/Elementos_Tipos"
      }
     },
     "text/json": {
      "schema": {
       "$ref": "#/components/schemas/Elementos_Tipos"
      }
     },
     "application/*+json": {
      "schema": {
       "$ref": "#/components/schemas/Elementos_Tipos"
      }
     }
    }
   },
   "responses": {
    "200": {
```

```
      "description": "Success"
     }
    }
   }
  },
"/api/ElementosTipos/UpdateTipoConstructivo": {
  "put": {
   "tags": [
    "ElementosTipos"
   ],
   "requestBody": {
    "content": {
     "application/json": {
      "schema": {
       "$ref": "#/components/schemas/Elementos_Tipos"
      }
     },
     "text/json": {
      "schema": {
       "$ref": "#/components/schemas/Elementos_Tipos"
      }
     },
     "application/*+json": {
      "schema": {
       "$ref": "#/components/schemas/Elementos_Tipos"
      }
     }
    }
   },
   "responses": {
    "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/ElementosTipos/DeleteTipoConstructivo": {
  "delete": {
    "tags": [
     "ElementosTipos"
    ],
    "parameters": [
     {
      "name": "codElementoTipo",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Login": {
  "post": {
    "tags": [
     "Login"
```

```
    ],
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/LoginUsuario"
          }
        },
        "text/json": {
          "schema": {
            "$ref": "#/components/schemas/LoginUsuario"
          }
        },
        "application/*+json": {
          "schema": {
            "$ref": "#/components/schemas/LoginUsuario"
          }
        }
      }
    },
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Login/HealthCheck": {
  "post": {
    "tags": [
      "Login"
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Login/SendEmailForgotPassword": {
   "get": {
    "tags": [
     "Login"
    ],
    "parameters": [
     {
       "name": "email",
       "in": "query",
       "schema": {
         "type": "string"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Login/UpdatePassword": {
   "post": {
```

```
    "tags": [
      "Login"
    ],
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/UpdatePasswordRequest"
          }
        },
        "text/json": {
          "schema": {
            "$ref": "#/components/schemas/UpdatePasswordRequest"
          }
        },
        "application/*+json": {
          "schema": {
            "$ref": "#/components/schemas/UpdatePasswordRequest"
          }
        }
      }
    },
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Login/ResetPassword": {
  "get": {
```

```
    "tags": [
      "Login"
    ],
    "parameters": [
     {
       "name": "token",
       "in": "query",
       "schema": {
         "type": "string"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Municipio/GetAllMunicipios": {
  "get": {
    "tags": [
      "Municipio"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
```

```
"/api/Municipio/GetMapeoCatastro": {
  "get": {
    "tags": [
      "Municipio"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Notario/GetNotarios": {
  "get": {
    "tags": [
      "Notario"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Notario/AddNotario": {
  "put": {
    "tags": [
      "Notario"
    ],
    "requestBody": {
      "content": {
```

```
"multipart/form-data": {
 "schema": {
  "type": "object",
  "properties": {
   "CodNotario": {
    "type": "integer",
    "format": "int32"
   },
   "NotarioNombre": {
    "type": "string"
   },
   "Direccion": {
    "type": "string"
   },
   "Localidad": {
    "type": "string"
   },
   "Telefono": {
    "type": "string"
   },
   "EMail": {
    "type": "string"
   },
   "Contacto": {
    "type": "string"
   }
  }
 },
 "encoding": {
  "CodNotario": {
   "style": "form"
```

```
          },
          "NotarioNombre": {
            "style": "form"
          },
          "Direccion": {
            "style": "form"
          },
          "Localidad": {
            "style": "form"
          },
          "Telefono": {
            "style": "form"
          },
          "EMail": {
            "style": "form"
          },
          "Contacto": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Notario/UpdateNotario": {
```

```
"put": {
 "tags": [
  "Notario"
 ],
 "requestBody": {
  "content": {
   "multipart/form-data": {
    "schema": {
     "type": "object",
     "properties": {
      "CodNotario": {
       "type": "integer",
       "format": "int32"
      },
      "NotarioNombre": {
       "type": "string"
      },
      "Direccion": {
       "type": "string"
      },
      "Localidad": {
       "type": "string"
      },
      "Telefono": {
       "type": "string"
      },
      "EMail": {
       "type": "string"
      },
      "Contacto": {
       "type": "string"
```

```
        }
       }
      },
      "encoding": {
       "CodNotario": {
        "style": "form"
       },
       "NotarioNombre": {
        "style": "form"
       },
       "Direccion": {
        "style": "form"
       },
       "Localidad": {
        "style": "form"
       },
       "Telefono": {
        "style": "form"
       },
       "EMail": {
        "style": "form"
       },
       "Contacto": {
        "style": "form"
       }
      }
     }
    }
   },
   "responses": {
    "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Notario/DeleteNotario": {
  "delete": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "codNotario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Notario/GetRegistros": {
  "get": {
    "tags": [
     "Notario"
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
 "/api/Notario/AddRegistro": {
   "put": {
    "tags": [
     "Notario"
    ],
    "requestBody": {
     "content": {
       "multipart/form-data": {
         "schema": {
           "type": "object",
           "properties": {
             "CodRegistro": {
               "type": "integer",
               "format": "int32"
             },
             "RegistroNombre": {
               "type": "string"
             },
             "Direccion": {
               "type": "string"
             },
             "Localidad": {
               "type": "string"
```

```
    },
    "Telefono": {
      "type": "string"
    },
    "EMail": {
      "type": "string"
    },
    "Contacto": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodRegistro": {
    "style": "form"
  },
  "RegistroNombre": {
    "style": "form"
  },
  "Direccion": {
    "style": "form"
  },
  "Localidad": {
    "style": "form"
  },
  "Telefono": {
    "style": "form"
  },
  "EMail": {
    "style": "form"
  },
```

```
          "Contacto": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Notario/UpdateRegistro": {
 "put": {
  "tags": [
   "Notario"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodRegistro": {
        "type": "integer",
        "format": "int32"
       },
       "RegistroNombre": {
        "type": "string"
```

```
    },
    "Direccion": {
      "type": "string"
    },
    "Localidad": {
      "type": "string"
    },
    "Telefono": {
      "type": "string"
    },
    "EMail": {
      "type": "string"
    },
    "Contacto": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodRegistro": {
    "style": "form"
  },
  "RegistroNombre": {
    "style": "form"
  },
  "Direccion": {
    "style": "form"
  },
  "Localidad": {
    "style": "form"
  },
```

```
          "Telefono": {
            "style": "form"
          },
          "EMail": {
            "style": "form"
          },
          "Contacto": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Notario/DeleteRegistro": {
 "delete": {
  "tags": [
    "Notario"
  ],
  "parameters": [
   {
     "name": "codRegistro",
     "in": "query",
     "schema": {
       "type": "integer",
```

```
        "format": "int32"
       }
      }
     ],
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
  "/api/Notario/GetAllEscrituras": {
   "get": {
    "tags": [
     "Notario"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Notario/GetEscriturasByContrato": {
   "get": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "CodContrato",
```

```
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Notario/GetEscriturasByNotario": {
   "get": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "CodNotario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Notario/GetEscriturasByRegistro": {
  "get": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "CodRegistro",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Notario/AddEscrituraPublica": {
  "put": {
    "tags": [
     "Notario"
```

```
],
"requestBody": {
  "content": {
    "multipart/form-data": {
      "schema": {
        "type": "object",
        "properties": {
          "CodEscritura": {
            "type": "integer",
            "format": "int32"
          },
          "CodContratos": {
            "type": "array",
            "items": {
              "type": "integer",
              "format": "int32"
            }
          },
          "Proyectos": {
            "type": "array",
            "items": {
              "$ref": "#/components/schemas/ProyectoLite"
            }
          },
          "CodPadre": {
            "type": "integer",
            "format": "int32"
          },
          "RatificacionReq": {
            "type": "boolean"
          },
```

```
"CodNotario": {
  "type": "integer",
  "format": "int32"
},
"CodSociedad": {
  "type": "integer",
  "format": "int32"
},
"FechaDocEnviadaNotario": {
  "type": "string",
  "format": "date-time"
},
"FechaEscrituraPublica": {
  "type": "string",
  "format": "date-time"
},
"FechaEscrituraRecibidaNotario": {
  "type": "string",
  "format": "date-time"
},
"FechaEscrituraEnviadaCentral": {
  "type": "string",
  "format": "date-time"
},
"DocEscrituraNotario": {
  "type": "string",
  "format": "binary"
},
"DocEscrituraNotarioPath": {
  "type": "string"
},
```

```
"NumProtocolo": {
  "type": "string"
},
"ObsNotario": {
  "type": "string"
},
"FechaLiquidacion": {
  "type": "string",
  "format": "date-time"
},
"ImporteLiquidacion": {
  "type": "number",
  "format": "double"
},
"DocLiquidacion": {
  "type": "string",
  "format": "binary"
},
"DocLiquidacionPath": {
  "type": "string"
},
"CodRegistro": {
  "type": "integer",
  "format": "int32"
},
"FechaDocEnviadaRegistro": {
  "type": "string",
  "format": "date-time"
},
"FechaRegistro": {
  "type": "string",
```

```
      "format": "date-time"
    },
    "DocRegistro": {
      "type": "string",
      "format": "binary"
    },
    "DocRegistroPath": {
      "type": "string"
    },
    "NumRegistro": {
      "type": "string"
    },
    "ObsRegistro": {
      "type": "string"
    },
    "Facturas": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Factura_Escritura"
      }
    },
    "Registros": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Contratos_Registro"
      }
    }
  }
},
"encoding": {
  "CodEscritura": {
```

```
  "style": "form"
},
"CodContratos": {
  "style": "form"
},
"Proyectos": {
  "style": "form"
},
"CodPadre": {
  "style": "form"
},
"RatificacionReq": {
  "style": "form"
},
"CodNotario": {
  "style": "form"
},
"CodSociedad": {
  "style": "form"
},
"FechaDocEnviadaNotario": {
  "style": "form"
},
"FechaEscrituraPublica": {
  "style": "form"
},
"FechaEscrituraRecibidaNotario": {
  "style": "form"
},
"FechaEscrituraEnviadaCentral": {
  "style": "form"
```

```
},
"DocEscrituraNotario": {
  "style": "form"
},
"DocEscrituraNotarioPath": {
  "style": "form"
},
"NumProtocolo": {
  "style": "form"
},
"ObsNotario": {
  "style": "form"
},
"FechaLiquidacion": {
  "style": "form"
},
"ImporteLiquidacion": {
  "style": "form"
},
"DocLiquidacion": {
  "style": "form"
},
"DocLiquidacionPath": {
  "style": "form"
},
"CodRegistro": {
  "style": "form"
},
"FechaDocEnviadaRegistro": {
  "style": "form"
},
```

```
        "FechaRegistro": {
          "style": "form"
        },
        "DocRegistro": {
          "style": "form"
        },
        "DocRegistroPath": {
          "style": "form"
        },
        "NumRegistro": {
          "style": "form"
        },
        "ObsRegistro": {
          "style": "form"
        },
        "Facturas": {
          "style": "form"
        },
        "Registros": {
          "style": "form"
        }
       }
     }
   }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
}
```

```
},
"/api/Notario/UpdateEscrituraPublica": {
 "put": {
  "tags": [
   "Notario"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodEscritura": {
        "type": "integer",
        "format": "int32"
       },
       "CodContratos": {
        "type": "array",
        "items": {
         "type": "integer",
         "format": "int32"
        }
       },
       "Proyectos": {
        "type": "array",
        "items": {
         "$ref": "#/components/schemas/ProyectoLite"
        }
       },
       "CodPadre": {
        "type": "integer",
```

```
  "format": "int32"
},
"RatificacionReq": {
  "type": "boolean"
},
"CodNotario": {
  "type": "integer",
  "format": "int32"
},
"CodSociedad": {
  "type": "integer",
  "format": "int32"
},
"FechaDocEnviadaNotario": {
  "type": "string",
  "format": "date-time"
},
"FechaEscrituraPublica": {
  "type": "string",
  "format": "date-time"
},
"FechaEscrituraRecibidaNotario": {
  "type": "string",
  "format": "date-time"
},
"FechaEscrituraEnviadaCentral": {
  "type": "string",
  "format": "date-time"
},
"DocEscrituraNotario": {
  "type": "string",
```

```
  "format": "binary"
},
"DocEscrituraNotarioPath": {
  "type": "string"
},
"NumProtocolo": {
  "type": "string"
},
"ObsNotario": {
  "type": "string"
},
"FechaLiquidacion": {
  "type": "string",
  "format": "date-time"
},
"ImporteLiquidacion": {
  "type": "number",
  "format": "double"
},
"DocLiquidacion": {
  "type": "string",
  "format": "binary"
},
"DocLiquidacionPath": {
  "type": "string"
},
"CodRegistro": {
  "type": "integer",
  "format": "int32"
},
"FechaDocEnviadaRegistro": {
```

```
  "type": "string",
  "format": "date-time"
},
"FechaRegistro": {
  "type": "string",
  "format": "date-time"
},
"DocRegistro": {
  "type": "string",
  "format": "binary"
},
"DocRegistroPath": {
  "type": "string"
},
"NumRegistro": {
  "type": "string"
},
"ObsRegistro": {
  "type": "string"
},
"Facturas": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Factura_Escritura"
  }
},
"Registros": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Contratos_Registro"
  }
```

```
    }
   }
  },
 "encoding": {
   "CodEscritura": {
     "style": "form"
   },
   "CodContratos": {
     "style": "form"
   },
   "Proyectos": {
     "style": "form"
   },
   "CodPadre": {
     "style": "form"
   },
   "RatificacionReq": {
     "style": "form"
   },
   "CodNotario": {
     "style": "form"
   },
   "CodSociedad": {
     "style": "form"
   },
   "FechaDocEnviadaNotario": {
     "style": "form"
   },
   "FechaEscrituraPublica": {
     "style": "form"
   },
```

```
"FechaEscrituraRecibidaNotario": {
  "style": "form"
},
"FechaEscrituraEnviadaCentral": {
  "style": "form"
},
"DocEscrituraNotario": {
  "style": "form"
},
"DocEscrituraNotarioPath": {
  "style": "form"
},
"NumProtocolo": {
  "style": "form"
},
"ObsNotario": {
  "style": "form"
},
"FechaLiquidacion": {
  "style": "form"
},
"ImporteLiquidacion": {
  "style": "form"
},
"DocLiquidacion": {
  "style": "form"
},
"DocLiquidacionPath": {
  "style": "form"
},
"CodRegistro": {
```

```
        "style": "form"
      },
      "FechaDocEnviadaRegistro": {
        "style": "form"
      },
      "FechaRegistro": {
        "style": "form"
      },
      "DocRegistro": {
        "style": "form"
      },
      "DocRegistroPath": {
        "style": "form"
      },
      "NumRegistro": {
        "style": "form"
      },
      "ObsRegistro": {
        "style": "form"
      },
      "Facturas": {
        "style": "form"
      },
      "Registros": {
        "style": "form"
      }
    }
  }
 }
},
"responses": {
```

```
    "200": {
      "description": "Success"
    }
   }
  }
},
"/api/Notario/UpdateEstadoEscritura": {
 "post": {
  "tags": [
   "Notario"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodEscritura": {
        "type": "integer",
        "format": "int32"
       },
       "CodEstado": {
        "type": "integer",
        "format": "int32"
       }
      }
     },
     "encoding": {
      "CodEscritura": {
       "style": "form"
      },
```

```
          "CodEstado": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Notario/DeleteEscrituraPublica": {
 "delete": {
  "tags": [
    "Notario"
  ],
  "parameters": [
   {
     "name": "codEscritura",
     "in": "query",
     "schema": {
       "type": "integer",
       "format": "int32"
     }
   }
  ],
  "responses": {
    "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Notario/GetAllPagosEscrituras": {
  "get": {
    "tags": [
     "Notario"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Notario/AddFacturaEscritura": {
  "put": {
    "tags": [
     "Notario"
    ],
    "requestBody": {
     "content": {
       "multipart/form-data": {
         "schema": {
           "type": "object",
           "properties": {
             "CodEscrituras": {
               "type": "array",
               "items": {
```

```
    "type": "integer",
    "format": "int32"
   }
  },
  "Escrituras": {
   "type": "array",
   "items": {
    "$ref": "#/components/schemas/EscrituraPublica"
   }
  },
  "CodFactura": {
   "type": "integer",
   "format": "int32"
  },
  "CodNotario": {
   "type": "integer",
   "format": "int32"
  },
  "CodRegistro": {
   "type": "integer",
   "format": "int32"
  },
  "Importe": {
   "type": "number",
   "format": "double"
  },
  "CodPedido": {
   "type": "integer",
   "format": "int32"
  },
  "NumPedido": {
```

```
  "type": "string"
},
"NumFactura": {
  "type": "string"
},
"FechaFactura": {
  "type": "string",
  "format": "date-time"
},
"FechaPago": {
  "type": "string",
  "format": "date-time"
},
"DocFactura": {
  "type": "string",
  "format": "binary"
},
"DocumentoPath": {
  "type": "string"
},
"DocJustificantePago": {
  "type": "string",
  "format": "binary"
},
"JustificantePath": {
  "type": "string"
},
"Observaciones": {
  "type": "string"
},
"NumProtocolo": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "Minuta": {
      "type": "string"
    },
    "Instrumento": {
      "type": "integer",
      "format": "int32"
    },
    "CodEstado": {
      "type": "integer",
      "format": "int32"
    }
  }
},
"encoding": {
  "CodEscrituras": {
    "style": "form"
  },
  "Escrituras": {
    "style": "form"
  },
  "CodFactura": {
    "style": "form"
  },
  "CodNotario": {
    "style": "form"
  },
  "CodRegistro": {
    "style": "form"
```

```
},
"Importe": {
  "style": "form"
},
"CodPedido": {
  "style": "form"
},
"NumPedido": {
  "style": "form"
},
"NumFactura": {
  "style": "form"
},
"FechaFactura": {
  "style": "form"
},
"FechaPago": {
  "style": "form"
},
"DocFactura": {
  "style": "form"
},
"DocumentoPath": {
  "style": "form"
},
"DocJustificantePago": {
  "style": "form"
},
"JustificantePath": {
  "style": "form"
},
```

```
        "Observaciones": {
          "style": "form"
        },
        "NumProtocolo": {
          "style": "form"
        },
        "Minuta": {
          "style": "form"
        },
        "Instrumento": {
          "style": "form"
        },
        "CodEstado": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Notario/UpdateFacturaEscritura": {
   "put": {
    "tags": [
     "Notario"
    ],
```

```
"parameters": [
 {
  "name": "codFactura",
  "in": "query",
  "schema": {
   "type": "integer",
   "format": "int32"
  }
 }
],
"requestBody": {
 "content": {
  "multipart/form-data": {
   "schema": {
    "type": "object",
    "properties": {
     "CodEscrituras": {
      "type": "array",
      "items": {
       "type": "integer",
       "format": "int32"
      }
     },
     "Escrituras": {
      "type": "array",
      "items": {
       "$ref": "#/components/schemas/EscrituraPublica"
      }
     },
     "CodFactura": {
      "type": "integer",
```

```
  "format": "int32"
},
"CodNotario": {
  "type": "integer",
  "format": "int32"
},
"CodRegistro": {
  "type": "integer",
  "format": "int32"
},
"Importe": {
  "type": "number",
  "format": "double"
},
"CodPedido": {
  "type": "integer",
  "format": "int32"
},
"NumPedido": {
  "type": "string"
},
"NumFactura": {
  "type": "string"
},
"FechaFactura": {
  "type": "string",
  "format": "date-time"
},
"FechaPago": {
  "type": "string",
  "format": "date-time"
```

```
},
"DocFactura": {
  "type": "string",
  "format": "binary"
},
"DocumentoPath": {
  "type": "string"
},
"DocJustificantePago": {
  "type": "string",
  "format": "binary"
},
"JustificantePath": {
  "type": "string"
},
"Observaciones": {
  "type": "string"
},
"NumProtocolo": {
  "type": "integer",
  "format": "int32"
},
"Minuta": {
  "type": "string"
},
"Instrumento": {
  "type": "integer",
  "format": "int32"
},
"CodEstado": {
  "type": "integer",
```

```
      "format": "int32"
    }
   }
  },
  "encoding": {
   "CodEscrituras": {
    "style": "form"
   },
   "Escrituras": {
    "style": "form"
   },
   "CodFactura": {
    "style": "form"
   },
   "CodNotario": {
    "style": "form"
   },
   "CodRegistro": {
    "style": "form"
   },
   "Importe": {
    "style": "form"
   },
   "CodPedido": {
    "style": "form"
   },
   "NumPedido": {
    "style": "form"
   },
   "NumFactura": {
    "style": "form"
```

```
},
"FechaFactura": {
  "style": "form"
},
"FechaPago": {
  "style": "form"
},
"DocFactura": {
  "style": "form"
},
"DocumentoPath": {
  "style": "form"
},
"DocJustificantePago": {
  "style": "form"
},
"JustificantePath": {
  "style": "form"
},
"Observaciones": {
  "style": "form"
},
"NumProtocolo": {
  "style": "form"
},
"Minuta": {
  "style": "form"
},
"Instrumento": {
  "style": "form"
},
```

```
          "CodEstado": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Notario/DeleteFacturaEscritura": {
 "delete": {
  "tags": [
    "Notario"
  ],
  "parameters": [
   {
     "name": "codFactura",
     "in": "query",
     "schema": {
       "type": "integer",
       "format": "int32"
     }
   }
  ],
  "responses": {
    "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Notario/GetFacturasByNotario": {
  "get": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "CodNotario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Notario/GetFacturasByRegistro": {
  "get": {
    "tags": [
     "Notario"
```

```
    ],
    "parameters": [
     {
      "name": "CodRegistro",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Notario/GetProvisionesByNotario": {
   "get": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "CodNotario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
```

```
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Notario/GetProvisionesByRegistro": {
  "get": {
   "tags": [
    "Notario"
   ],
   "parameters": [
    {
     "name": "CodRegistro",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
```

```
"/api/Notario/AddProvision": {
 "put": {
  "tags": [
   "Notario"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodPedido": {
        "type": "integer",
        "format": "int32"
       },
       "CodNotario": {
        "type": "integer",
        "format": "int32"
       },
       "CodRegistro": {
        "type": "integer",
        "format": "int32"
       },
       "NumPedido": {
        "type": "string"
       },
       "Importe": {
        "type": "number",
        "format": "double"
       },
       "Fecha": {
```

```
      "type": "string",
      "format": "date-time"
    },
    "Pagos": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Factura_Escritura"
      }
    }
  }
},
"encoding": {
  "CodPedido": {
    "style": "form"
  },
  "CodNotario": {
    "style": "form"
  },
  "CodRegistro": {
    "style": "form"
  },
  "NumPedido": {
    "style": "form"
  },
  "Importe": {
    "style": "form"
  },
  "Fecha": {
    "style": "form"
  },
  "Pagos": {
```

```
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Notario/DeleteProvision": {
   "delete": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
      "name": "codPedido",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
```

```
    }
   }
  }
 },
"/api/Notario/AddEscrituraRegistro": {
 "put": {
  "tags": [
   "Notario"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodRegistroEscritura": {
        "type": "integer",
        "format": "int32"
       },
       "CodEscritura": {
        "type": "integer",
        "format": "int32"
       },
       "CodRegistro": {
        "type": "integer",
        "format": "int32"
       },
       "FechaEnvioDoc": {
        "type": "string",
        "format": "date-time"
       },
```

```
    "FechaRegistro": {
      "type": "string",
      "format": "date-time"
    },
    "DocumentoRegistro": {
      "type": "string",
      "format": "binary"
    },
    "DocRegistro": {
      "type": "string"
    },
    "Observaciones": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodRegistroEscritura": {
    "style": "form"
  },
  "CodEscritura": {
    "style": "form"
  },
  "CodRegistro": {
    "style": "form"
  },
  "FechaEnvioDoc": {
    "style": "form"
  },
  "FechaRegistro": {
    "style": "form"
```

```
          },
          "DocumentoRegistro": {
            "style": "form"
          },
          "DocRegistro": {
            "style": "form"
          },
          "Observaciones": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Notario/UpdateEscrituraRegistro": {
 "put": {
  "tags": [
   "Notario"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
```

```
"properties": {
 "CodRegistroEscritura": {
  "type": "integer",
  "format": "int32"
 },
 "CodEscritura": {
  "type": "integer",
  "format": "int32"
 },
 "CodRegistro": {
  "type": "integer",
  "format": "int32"
 },
 "FechaEnvioDoc": {
  "type": "string",
  "format": "date-time"
 },
 "FechaRegistro": {
  "type": "string",
  "format": "date-time"
 },
 "DocumentoRegistro": {
  "type": "string",
  "format": "binary"
 },
 "DocRegistro": {
  "type": "string"
 },
 "Observaciones": {
  "type": "string"
 }
```

```
      }
    },
    "encoding": {
      "CodRegistroEscritura": {
        "style": "form"
      },
      "CodEscritura": {
        "style": "form"
      },
      "CodRegistro": {
        "style": "form"
      },
      "FechaEnvioDoc": {
        "style": "form"
      },
      "FechaRegistro": {
        "style": "form"
      },
      "DocumentoRegistro": {
        "style": "form"
      },
      "DocRegistro": {
        "style": "form"
      },
      "Observaciones": {
        "style": "form"
      }
    }
  }
 }
},
```

```
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Notario/DeleteEscrituraRegistro": {
   "delete": {
    "tags": [
     "Notario"
    ],
    "parameters": [
     {
       "name": "codRegistroEscritura",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/OcupacionesTrazabilidad/GetOcupacionesTrazabilidad": {
   "get": {
```

```
   "tags": [
    "OcupacionesTrazabilidad"
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/OcupacionesTrazabilidad/GetOcupacionTrazabilidadById": {
  "get": {
   "tags": [
    "OcupacionesTrazabilidad"
   ],
   "parameters": [
    {
     "name": "codOcupacionTrazabilidad",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
```

```
},
"/api/OcupacionesTrazabilidad/GetOcupacionTrazabilidadByCodProyecto": {
 "get": {
  "tags": [
   "OcupacionesTrazabilidad"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/OcupacionesTrazabilidad/GetOcupacionTrazabilidadByCodParcela": {
 "get": {
  "tags": [
   "OcupacionesTrazabilidad"
  ],
  "parameters": [
   {
    "name": "codParcela",
```

```
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/OcupacionesTrazabilidad/AddOcupacionTrazabilidad": {
   "put": {
    "tags": [
     "OcupacionesTrazabilidad"
    ],
    "requestBody": {
     "content": {
      "application/json": {
       "schema": {
        "$ref": "#/components/schemas/Parcelas_Ocupacion_Trazabilidad"
       }
      },
      "text/json": {
       "schema": {
        "$ref": "#/components/schemas/Parcelas_Ocupacion_Trazabilidad"
       }
      },
```

```
      "application/*+json": {
       "schema": {
        "$ref": "#/components/schemas/Parcelas_Ocupacion_Trazabilidad"
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/OcupacionesTrazabilidad/DeleteParcela": {
   "delete": {
    "tags": [
     "OcupacionesTrazabilidad"
    ],
    "parameters": [
     {
      "name": "codParcela",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetParcelas": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetParcelasLite": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetParcelasV3": {
   "get": {
```

```
   "tags": [
    "Parcela"
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Parcela/GetParcelasV3ByPropietario": {
  "get": {
   "tags": [
    "Parcela"
   ],
   "parameters": [
    {
     "name": "codPropietario",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
```

```
},
"/api/Parcela/GetInformeParcelasDocumentacion": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/UpdateInfoCatastro": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "CodProyecto",
```

```
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/updateInfoCatastroParcelaRara": {
   "post": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codParcela",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
  },
"/api/Parcela/SetCoordenadasByRefCatastral": {
  "put": {
   "tags": [
    "Parcela"
   ],
   "parameters": [
    {
     "name": "refCatastral",
     "in": "query",
     "schema": {
      "type": "string"
     }
    },
    {
     "name": "codParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
```

```
   }
  }
 },
 "/api/Parcela/GetCoordenadasByRefCatastral": {
  "get": {
   "tags": [
    "Parcela"
   ],
   "parameters": [
    {
     "name": "refCatastral",
     "in": "query",
     "schema": {
      "type": "string"
     }
    },
    {
     "name": "codParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
```

```
},
"/api/Parcela/GetParcelaById": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "codParcela",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/GetParcelasByCodProyecto": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "codProyecto",
```

```
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetParcelasByCodProyectoLite": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Parcela/GetParcelasByCodPropietario": {
  "get": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codPropietario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Parcela/GetParcelasByCodPropietarioLite": {
  "get": {
    "tags": [
     "Parcela"
```

```
    ],
    "parameters": [
     {
      "name": "codPropietario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetParcelasByCodProyectoLite2": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
```

```
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Parcela/GetParcelasWithSameOwners": {
  "get": {
   "tags": [
    "Parcela"
   ],
   "parameters": [
    {
     "name": "codParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
```

```
"/api/Parcela/GetTotalParcelas": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/GetTotalParcelasDashboard": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/GetTotalParcelasSelect": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "responses": {
   "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Parcela/GetEstadoParcela": {
  "get": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codParcela",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Parcela/GetTiposSuelo": {
  "get": {
    "tags": [
     "Parcela"
```

```
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetAllDocumentosParcelas": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetDocumentosByCodParcelas": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codParcelas",
      "in": "query",
      "schema": {
       "type": "string"
```

```
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/GetHistoricoParcelas": {
   "get": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codParcela",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
```

```
},
"/api/Parcela/GetAllTimeLine": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/GetTimeLineByProyecto": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "CodProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
```

```
    }
   }
  }
 },
"/api/Parcela/GetFirmasByCodParcela": {
 "get": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "codParcela",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/GetNotariaByCodParcela": {
 "get": {
  "tags": [
   "Parcela"
  ],
```

```
    "parameters": [
     {
       "name": "codParcela",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Parcela/AddParcela": {
  "put": {
    "tags": [
      "Parcela"
    ],
    "parameters": [
     {
       "name": "obs",
       "in": "query",
       "schema": {
         "type": "string",
         "default": "Inicio parcela"
       }
     }
```

```
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/ParcelaDTO"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/ParcelaDTO"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/ParcelaDTO"
     }
    }
   }
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/AddPropietariosToParcela": {
 "put": {
  "tags": [
   "Parcela"
```

```
],
"requestBody": {
 "content": {
  "application/json": {
   "schema": {
    "type": "array",
    "items": {
     "$ref": "#/components/schemas/ParcelaPropietario"
    }
   }
  },
  "text/json": {
   "schema": {
    "type": "array",
    "items": {
     "$ref": "#/components/schemas/ParcelaPropietario"
    }
   }
  },
  "application/*+json": {
   "schema": {
    "type": "array",
    "items": {
     "$ref": "#/components/schemas/ParcelaPropietario"
    }
   }
  }
 }
},
"responses": {
 "200": {
```

```
      "description": "Success"
     }
    }
   }
  },
"/api/Parcela/UpdatePropietarioParcela": {
  "put": {
   "tags": [
    "Parcela"
   ],
   "parameters": [
    {
     "name": "codParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    },
    {
     "name": "codPropietario",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    },
    {
     "name": "codTipoTitularOld",
     "in": "query",
     "schema": {
```

```
        "type": "integer",
        "format": "int32"
       }
     },
     {
       "name": "codTipoTitular",
       "in": "query",
       "schema": {
        "type": "integer",
        "format": "int32"
       }
     },
     {
       "name": "porcentaje",
       "in": "query",
       "schema": {
        "type": "number",
        "format": "double"
       }
     }
   ],
   "responses": {
     "200": {
       "description": "Success"
     }
   }
 }
},
"/api/Parcela/ExencionDocumentosPropietarioParcela": {
  "put": {
    "tags": [
```

```
  "Parcela"
 ],
 "parameters": [
  {
   "name": "codParcela",
   "in": "query",
   "schema": {
    "type": "integer",
    "format": "int32"
   }
  },
  {
   "name": "codPropietario",
   "in": "query",
   "schema": {
    "type": "integer",
    "format": "int32"
   }
  },
  {
   "name": "exento",
   "in": "query",
   "schema": {
    "type": "boolean"
   }
  }
 ],
 "responses": {
  "200": {
   "description": "Success"
  }
```

```
    }
   }
  },
  "/api/Parcela/DesafectarParcela": {
   "put": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codParcelas",
      "in": "query",
      "schema": {
       "type": "string"
      }
     },
     {
      "name": "obs",
      "in": "query",
      "schema": {
       "type": "string",
       "default": ""
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
```

```
},
"/api/Parcela/HabilitarParcela": {
 "put": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "codParcelas",
    "in": "query",
    "schema": {
     "type": "string"
    }
   },
   {
    "name": "obs",
    "in": "query",
    "schema": {
     "type": "string",
     "default": ""
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/DUPParcelas": {
```

```
  "put": {
    "tags": [
      "Parcela"
    ],
    "parameters": [
      {
        "name": "DUP",
        "in": "query",
        "schema": {
          "type": "boolean"
        }
      },
      {
        "name": "codParcelas",
        "in": "query",
        "schema": {
          "type": "string"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Parcela/UpdateParcela": {
  "put": {
    "tags": [
      "Parcela"
```

```
],
"parameters": [
 {
  "name": "obs",
  "in": "query",
  "schema": {
   "type": "string",
   "default": "Cambio de proyecto de la parcela"
  }
 }
],
"requestBody": {
 "content": {
  "application/json": {
   "schema": {
    "$ref": "#/components/schemas/ParcelaDTO"
   }
  },
  "text/json": {
   "schema": {
    "$ref": "#/components/schemas/ParcelaDTO"
   }
  },
  "application/*+json": {
   "schema": {
    "$ref": "#/components/schemas/ParcelaDTO"
   }
  }
 }
},
"responses": {
```

```
    "200": {
      "description": "Success"
    }
   }
  }
},
"/api/Parcela/UploadDocumento": {
 "put": {
  "tags": [
   "Parcela"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "CodParcelas": {
        "type": "array",
        "items": {
         "type": "integer",
         "format": "int32"
        }
       },
       "CodDocumento": {
        "type": "integer",
        "format": "int32"
       },
       "CodTipoDocumento": {
        "type": "integer",
        "format": "int32"
```

```
},
"TipoDocumento": {
 "type": "string"
},
"TipoDocumentoValidable": {
 "type": "boolean"
},
"Fecha": {
 "type": "string",
 "format": "date-time"
},
"Validable": {
 "type": "boolean"
},
"Fichero": {
 "type": "string",
 "format": "binary"
},
"FicheroBase64": {
 "type": "string"
},
"Nombre": {
 "type": "string"
},
"EntityCode": {
 "type": "integer",
 "format": "int32"
},
"CodTipoEntidad": {
 "type": "integer",
 "format": "int32"
```

```
},
"CodUsuario": {
 "type": "integer",
 "format": "int32"
},
"Afecta": {
 "type": "string"
},
"Obs": {
 "type": "string"
},
"Propietarios": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/PropietarioDocumento"
 }
},
"Parcelas": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/ParcelaDocumento"
 }
},
"Contratos": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/ContratoDocumento"
 }
},
"Proyectos": {
 "type": "array",
```

```
  "items": {
    "$ref": "#/components/schemas/ProyectoLite"
  }
},
"Validaciones.CodTipoEntidad": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CodDocumento": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CodEntidades": {
  "type": "array",
  "items": {
    "type": "integer",
    "format": "int32"
  }
},
"Validaciones.CurrentValidation.CodValidacion": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CurrentValidation.Valor": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CurrentValidation.ValorTexto": {
  "type": "string"
},
"Validaciones.CurrentValidation.Observaciones": {
```

```
      "type": "string"
    },
    "Validaciones.CurrentValidation.Fecha": {
      "type": "string",
      "format": "date-time"
    },
    "Validaciones.CurrentValidation.CodValidador": {
      "type": "integer",
      "format": "int32"
    },
    "Validaciones.CurrentValidation.Validador": {
      "type": "string"
    },
    "Validaciones.Validaciones": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Validacion"
      }
    }
  }
},
"encoding": {
  "CodParcelas": {
    "style": "form"
  },
  "CodDocumento": {
    "style": "form"
  },
  "CodTipoDocumento": {
    "style": "form"
  },
```

```
"TipoDocumento": {
  "style": "form"
},
"TipoDocumentoValidable": {
  "style": "form"
},
"Fecha": {
  "style": "form"
},
"Validable": {
  "style": "form"
},
"Fichero": {
  "style": "form"
},
"FicheroBase64": {
  "style": "form"
},
"Nombre": {
  "style": "form"
},
"EntityCode": {
  "style": "form"
},
"CodTipoEntidad": {
  "style": "form"
},
"CodUsuario": {
  "style": "form"
},
"Afecta": {
```

```
  "style": "form"
},
"Obs": {
  "style": "form"
},
"Propietarios": {
  "style": "form"
},
"Parcelas": {
  "style": "form"
},
"Contratos": {
  "style": "form"
},
"Proyectos": {
  "style": "form"
},
"Validaciones.CodTipoEntidad": {
  "style": "form"
},
"Validaciones.CodDocumento": {
  "style": "form"
},
"Validaciones.CodEntidades": {
  "style": "form"
},
"Validaciones.CurrentValidation.CodValidacion": {
  "style": "form"
},
"Validaciones.CurrentValidation.Valor": {
  "style": "form"
```

```
        },
        "Validaciones.CurrentValidation.ValorTexto": {
          "style": "form"
        },
        "Validaciones.CurrentValidation.Observaciones": {
          "style": "form"
        },
        "Validaciones.CurrentValidation.Fecha": {
          "style": "form"
        },
        "Validaciones.CurrentValidation.CodValidador": {
          "style": "form"
        },
        "Validaciones.CurrentValidation.Validador": {
          "style": "form"
        },
        "Validaciones.Validaciones": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/UpdateDocumentoParcela": {
```

```
"put": {
 "tags": [
  "Parcela"
 ],
 "parameters": [
  {
   "name": "codDocumento",
   "in": "query",
   "schema": {
    "type": "integer",
    "format": "int32"
   }
  },
  {
   "name": "codTipoDocumento",
   "in": "query",
   "schema": {
    "type": "integer",
    "format": "int32"
   }
  },
  {
   "name": "obs",
   "in": "query",
   "schema": {
    "type": "string"
   }
  }
 ],
 "responses": {
  "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Parcela/DeleteParcela": {
  "delete": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codParcela",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Parcela/DeleteParcelas": {
  "delete": {
    "tags": [
     "Parcela"
```

```
    ],
    "parameters": [
     {
      "name": "codParcelas",
      "in": "query",
      "schema": {
       "type": "string"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Parcela/DeleteDocumento": {
   "delete": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codDocumento",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
 "/api/Parcela/DeletePropietarioFromParcela": {
  "delete": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
       "name": "codPropietario",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
       "name": "codParcela",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
```

```
      "name": "codTipoTitular",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Parcela/DeleteContrato": {
  "delete": {
    "tags": [
     "Parcela"
    ],
    "parameters": [
     {
      "name": "codFirma",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
```

```
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Parcela/UpdateEstadoParcela": {
  "put": {
    "tags": [
      "Parcela"
    ],
    "parameters": [
      {
        "name": "CodParcela",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Parcela/UpdateEstadosParcelasByProyecto": {
  "put": {
    "tags": [
```

```
      "Parcela"
    ],
    "parameters": [
     {
       "name": "CodProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Parcela/UpdateAllEstadosParcelas": {
  "put": {
    "tags": [
      "Parcela"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
```

```
"/api/Parcela/UpdateSuperficieOcupadaParcela": {
 "put": {
  "tags": [
   "Parcela"
  ],
  "parameters": [
   {
    "name": "CodParcela",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Parcela/UpdateAllSuperficiesOcupadasParcelas": {
 "put": {
  "tags": [
   "Parcela"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
```

```
   }
  }
 },
 "/api/ParcelasOcupacion/GetOcupacionParcelasByCodParcela": {
  "get": {
   "tags": [
    "ParcelasOcupacion"
   ],
   "parameters": [
    {
     "name": "codParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    },
    {
     "name": "codEstadoProyecto",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
```

```
 }
},
"/api/ParcelasOcupacion/GetAllSuperficies": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/ParcelasOcupacion/GetAllSuperficiesGroupByProyecto": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/ParcelasOcupacion/GetSuperficiesGroupByEstadosProyecto": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
```

```
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasOcupacion/GetAllSuperficiesGroupByEstadosProyecto": {
  "get": {
    "tags": [
      "ParcelasOcupacion"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasOcupacion/GetSuperficieTiposGroupByEstadosProyecto": {
  "get": {
```

```
    "tags": [
      "ParcelasOcupacion"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasOcupacion/GetAllSuperficiesGroupByEstadosParcela": {
  "get": {
    "tags": [
      "ParcelasOcupacion"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
```

```
},
"/api/ParcelasOcupacion/GetSuperficiesGroupByEstadosParcela": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/ParcelasOcupacion/GetSuperficieTiposGroupByEstadosParcela": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "parameters": [
   {
    "name": "codProyecto",
```

```
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    },
    {
      "name": "codEstadoProyecto",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/ParcelasOcupacion/GetSuperficiesPerSueloByParcela": {
 "get": {
  "tags": [
    "ParcelasOcupacion"
  ],
  "parameters": [
    {
      "name": "codParcela",
      "in": "query",
```

```
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetSuperficiesPerSueloByParcelas": {
   "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
    "parameters": [
     {
      "name": "codParcelas",
      "in": "query",
      "schema": {
       "type": "string"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
```

```
   }
  }
 },
 "/api/ParcelasOcupacion/GetSuperficiesPerElementoByParcelas": {
  "get": {
   "tags": [
    "ParcelasOcupacion"
   ],
   "parameters": [
    {
     "name": "codParcelas",
     "in": "query",
     "schema": {
      "type": "string"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/ParcelasOcupacion/GetSuperficiesPerSueloByPropietario": {
  "get": {
   "tags": [
    "ParcelasOcupacion"
   ],
   "parameters": [
    {
```

```
      "name": "codPropietario",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/ParcelasOcupacion/GetCostesTiposGroupByEstadosParcela": {
  "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
     }
    ],
    "responses": {
```

```
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/ParcelasOcupacion/GetCostesPerSueloByParcela": {
  "get": {
   "tags": [
    "ParcelasOcupacion"
   ],
   "parameters": [
    {
     "name": "codParcela",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/ParcelasOcupacion/GetCostesPerSueloByParcelas": {
  "get": {
   "tags": [
```

```
      "ParcelasOcupacion"
    ],
    "parameters": [
     {
       "name": "codParcelas",
       "in": "query",
       "schema": {
         "type": "string"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasOcupacion/GetCostesPerSueloByPropietario": {
  "get": {
    "tags": [
      "ParcelasOcupacion"
    ],
    "parameters": [
     {
       "name": "codPropietario",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
```

```
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/ParcelasOcupacion/GetAllCostes": {
  "get": {
   "tags": [
    "ParcelasOcupacion"
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/ParcelasOcupacion/GetAllCostesGroupByProyecto": {
  "get": {
   "tags": [
    "ParcelasOcupacion"
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
```

```
 }
},
"/api/ParcelasOcupacion/GetImportesByParcelas": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "parameters": [
   {
    "name": "codParcelas",
    "in": "query",
    "schema": {
     "type": "string"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/ParcelasOcupacion/GetDesviosImportesCostesByParcela": {
 "get": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "parameters": [
   {
    "name": "codParcela",
```

```
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetDesviosImportesCostesByContrato": {
   "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
    "parameters": [
     {
      "name": "codContrato",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetCostesByParcelas": {
   "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
    "parameters": [
     {
      "name": "CodsParcela",
      "in": "query",
      "schema": {
       "type": "string"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetAllCostesGroupByEstadosParcela": {
   "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
```

```
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetCostesGroupByEstadosProyecto": {
   "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetCostesTiposGroupByEstadosProyecto": {
   "get": {
```

```
    "tags": [
      "ParcelasOcupacion"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
       "name": "codEstadoProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasOcupacion/GetCostesGroupByEstadosParcela": {
  "get": {
    "tags": [
```

```
      "ParcelasOcupacion"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasOcupacion/AddParcelaOcupacion": {
  "put": {
    "tags": [
      "ParcelasOcupacion"
    ],
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Parcelas_Ocupacion"
          }
        },
```

```
      "text/json": {
        "schema": {
          "$ref": "#/components/schemas/Parcelas_Ocupacion"
        }
      },
      "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/Parcelas_Ocupacion"
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/ParcelasOcupacion/UpdateParcelaOcupacion": {
 "put": {
  "tags": [
   "ParcelasOcupacion"
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Parcelas_Ocupacion"
     }
    },
```

```
      "text/json": {
        "schema": {
          "$ref": "#/components/schemas/Parcelas_Ocupacion"
        }
      },
      "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/Parcelas_Ocupacion"
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/ParcelasOcupacion/DeleteParcelaOcupacion": {
 "delete": {
  "tags": [
    "ParcelasOcupacion"
  ],
  "parameters": [
   {
     "name": "codParcelaOcupacion",
     "in": "query",
     "schema": {
       "type": "integer",
       "format": "int32"
```

```
      }
     },
     {
      "name": "obs",
      "in": "query",
      "schema": {
       "type": "string"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasOcupacion/GetSuperficiesPorSueloByProyecto": {
   "get": {
    "tags": [
     "ParcelasOcupacion"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasTrazabilidad/GetHistorialByCodProyectoAndCodEstado": {
   "get": {
    "tags": [
     "ParcelasTrazabilidad"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
       "name": "codEstadoProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
```

```
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasTrazabilidad/GetNuevasParcelas": {
   "get": {
    "tags": [
     "ParcelasTrazabilidad"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/ParcelasTrazabilidad/GetParcelasDesafectadas": {
   "get": {
```

```
    "tags": [
      "ParcelasTrazabilidad"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/ParcelasTrazabilidad/GetCambiosParcelas": {
  "get": {
    "tags": [
      "ParcelasTrazabilidad"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
```

```
        "format": "int32"
       }
      }
     ],
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
  "/api/Propietarios/GetAllPropietarios": {
   "get": {
    "tags": [
     "Propietarios"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Propietarios/GetAllPropietariosLite": {
   "get": {
    "tags": [
     "Propietarios"
    ],
    "responses": {
     "200": {
      "description": "Success"
```

```
    }
   }
  }
 },
"/api/Propietarios/GetPropietarioById": {
 "get": {
  "tags": [
   "Propietarios"
  ],
  "parameters": [
   {
    "name": "codPropietario",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Propietarios/GetPropietariosByCodParcela": {
 "get": {
  "tags": [
   "Propietarios"
  ],
```

```
    "parameters": [
     {
       "name": "codParcela",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Propietarios/GetAllDocumentosPropietarios": {
  "get": {
    "tags": [
      "Propietarios"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Propietarios/GetDocumentosByCodPropietario": {
  "get": {
```

```
    "tags": [
      "Propietarios"
    ],
    "parameters": [
     {
       "name": "codPropietario",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Propietarios/GetDocumentosByCodPropietarios": {
  "get": {
    "tags": [
      "Propietarios"
    ],
    "parameters": [
     {
       "name": "codPropietarios",
       "in": "query",
       "schema": {
         "type": "string"
```

```
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Propietarios/GetAllParcelasPropietarios": {
   "get": {
    "tags": [
     "Propietarios"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Propietarios/AddPropietario": {
   "put": {
    "tags": [
     "Propietarios"
    ],
    "requestBody": {
     "content": {
      "application/json": {
       "schema": {
```

```
          "$ref": "#/components/schemas/PropietarioDTO"
        }
       },
       "text/json": {
        "schema": {
          "$ref": "#/components/schemas/PropietarioDTO"
        }
       },
       "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/PropietarioDTO"
        }
       }
     }
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Propietarios/AddPropietarioAndAssignParcela": {
  "post": {
    "tags": [
      "Propietarios"
    ],
    "parameters": [
     {
       "name": "codParcela",
       "in": "query",
```

```
    "schema": {
      "type": "integer",
      "format": "int32"
    }
  },
  {
    "name": "codTipoTitular",
    "in": "query",
    "schema": {
      "type": "integer",
      "format": "int32"
    }
  },
  {
    "name": "Porcentaje",
    "in": "query",
    "schema": {
      "type": "number",
      "format": "double"
    }
  }
],
"requestBody": {
  "content": {
    "application/json": {
      "schema": {
        "$ref": "#/components/schemas/PropietarioDTO"
      }
    },
    "text/json": {
      "schema": {
```

```
          "$ref": "#/components/schemas/PropietarioDTO"
        }
       },
       "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/PropietarioDTO"
        }
       }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Propietarios/UpdatePropietario": {
   "put": {
    "tags": [
     "Propietarios"
    ],
    "requestBody": {
     "content": {
      "application/json": {
       "schema": {
         "$ref": "#/components/schemas/PropietarioDTO"
       }
      },
      "text/json": {
       "schema": {
```

```
          "$ref": "#/components/schemas/PropietarioDTO"
        }
       },
       "application/*+json": {
        "schema": {
         "$ref": "#/components/schemas/PropietarioDTO"
        }
       }
      }
     },
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
  },
  "/api/Propietarios/UpdateAltaSSE": {
   "put": {
    "tags": [
     "Propietarios"
    ],
    "parameters": [
     {
      "name": "codPropietario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     },
```

```
      {
        "name": "valor",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Propietarios/UploadDocumento": {
  "put": {
    "tags": [
      "Propietarios"
    ],
    "requestBody": {
      "content": {
        "multipart/form-data": {
          "schema": {
            "type": "object",
            "properties": {
              "CodPropietario": {
                "type": "integer",
                "format": "int32"
              },
```

```
"CodDocumento": {
  "type": "integer",
  "format": "int32"
},
"CodTipoDocumento": {
  "type": "integer",
  "format": "int32"
},
"TipoDocumento": {
  "type": "string"
},
"TipoDocumentoValidable": {
  "type": "boolean"
},
"Fecha": {
  "type": "string",
  "format": "date-time"
},
"Validable": {
  "type": "boolean"
},
"Fichero": {
  "type": "string",
  "format": "binary"
},
"FicheroBase64": {
  "type": "string"
},
"Nombre": {
  "type": "string"
},
```

```
"EntityCode": {
  "type": "integer",
  "format": "int32"
},
"CodTipoEntidad": {
  "type": "integer",
  "format": "int32"
},
"CodUsuario": {
  "type": "integer",
  "format": "int32"
},
"Afecta": {
  "type": "string"
},
"Obs": {
  "type": "string"
},
"Propietarios": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/PropietarioDocumento"
  }
},
"Parcelas": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ParcelaDocumento"
  }
},
"Contratos": {
```

```
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ContratoDocumento"
  }
},
"Proyectos": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ProyectoLite"
  }
},
"Validaciones.CodTipoEntidad": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CodDocumento": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CodEntidades": {
  "type": "array",
  "items": {
    "type": "integer",
    "format": "int32"
  }
},
"Validaciones.CurrentValidation.CodValidacion": {
  "type": "integer",
  "format": "int32"
},
"Validaciones.CurrentValidation.Valor": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "Validaciones.CurrentValidation.ValorTexto": {
      "type": "string"
    },
    "Validaciones.CurrentValidation.Observaciones": {
      "type": "string"
    },
    "Validaciones.CurrentValidation.Fecha": {
      "type": "string",
      "format": "date-time"
    },
    "Validaciones.CurrentValidation.CodValidador": {
      "type": "integer",
      "format": "int32"
    },
    "Validaciones.CurrentValidation.Validador": {
      "type": "string"
    },
    "Validaciones.Validaciones": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Validacion"
      }
    }
  }
},
"encoding": {
  "CodPropietario": {
    "style": "form"
```

```
},
"CodDocumento": {
  "style": "form"
},
"CodTipoDocumento": {
  "style": "form"
},
"TipoDocumento": {
  "style": "form"
},
"TipoDocumentoValidable": {
  "style": "form"
},
"Fecha": {
  "style": "form"
},
"Validable": {
  "style": "form"
},
"Fichero": {
  "style": "form"
},
"FicheroBase64": {
  "style": "form"
},
"Nombre": {
  "style": "form"
},
"EntityCode": {
  "style": "form"
},
```

```
"CodTipoEntidad": {
  "style": "form"
},
"CodUsuario": {
  "style": "form"
},
"Afecta": {
  "style": "form"
},
"Obs": {
  "style": "form"
},
"Propietarios": {
  "style": "form"
},
"Parcelas": {
  "style": "form"
},
"Contratos": {
  "style": "form"
},
"Proyectos": {
  "style": "form"
},
"Validaciones.CodTipoEntidad": {
  "style": "form"
},
"Validaciones.CodDocumento": {
  "style": "form"
},
"Validaciones.CodEntidades": {
```

```
        "style": "form"
      },
      "Validaciones.CurrentValidation.CodValidacion": {
        "style": "form"
      },
      "Validaciones.CurrentValidation.Valor": {
        "style": "form"
      },
      "Validaciones.CurrentValidation.ValorTexto": {
        "style": "form"
      },
      "Validaciones.CurrentValidation.Observaciones": {
        "style": "form"
      },
      "Validaciones.CurrentValidation.Fecha": {
        "style": "form"
      },
      "Validaciones.CurrentValidation.CodValidador": {
        "style": "form"
      },
      "Validaciones.CurrentValidation.Validador": {
        "style": "form"
      },
      "Validaciones.Validaciones": {
        "style": "form"
      }
    }
   }
  }
 },
 "responses": {
```

```
    "200": {
      "description": "Success"
    }
   }
  }
},
"/api/Propietarios/DeletePropietario": {
 "delete": {
   "tags": [
    "Propietarios"
   ],
   "parameters": [
    {
     "name": "codPropietario",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
 }
},
"/api/Propietarios/DeleteDocumento": {
 "delete": {
   "tags": [
```

```
      "Propietarios"
    ],
    "parameters": [
     {
       "name": "codDocumento",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Propietarios/InsertContrato": {
  "post": {
    "tags": [
      "Propietarios"
    ],
    "requestBody": {
      "content": {
        "multipart/form-data": {
          "schema": {
            "type": "object",
            "properties": {
              "CodFirma": {
```

```
  "type": "integer",
  "format": "int32"
},
"CodPropietario": {
  "type": "integer",
  "format": "int32"
},
"Propietario": {
  "type": "string"
},
"CodParcela": {
  "type": "integer",
  "format": "int32"
},
"CodTipoContrato": {
  "type": "integer",
  "format": "int32"
},
"TipoContrato": {
  "type": "string"
},
"FechaFirma": {
  "type": "string",
  "format": "date-time"
},
"Vigencia": {
  "type": "integer",
  "format": "int32"
},
"Prorroga": {
  "type": "integer",
```

```
  "format": "int32"
},
"CodSociedad": {
  "type": "integer",
  "format": "int32"
},
"Sociedad": {
  "type": "string"
},
"CodHito1": {
  "type": "integer",
  "format": "int32"
},
"Hito1": {
  "type": "string"
},
"CodTipoPago1": {
  "type": "integer",
  "format": "int32"
},
"TipoPago1": {
  "type": "string"
},
"Porcentaje1": {
  "type": "integer",
  "format": "int32"
},
"CodHito2": {
  "type": "integer",
  "format": "int32"
},
```

```
    "Hito2": {
      "type": "string"
    },
    "CodTipoPago2": {
      "type": "integer",
      "format": "int32"
    },
    "TipoPago2": {
      "type": "string"
    },
    "Porcentaje2": {
      "type": "integer",
      "format": "int32"
    },
    "Observaciones": {
      "type": "string"
    },
    "Documento": {
      "type": "string",
      "format": "binary"
    },
    "DocumentPath": {
      "type": "string"
    }
  }
},
"encoding": {
  "CodFirma": {
    "style": "form"
  },
  "CodPropietario": {
```

```
  "style": "form"
},
"Propietario": {
  "style": "form"
},
"CodParcela": {
  "style": "form"
},
"CodTipoContrato": {
  "style": "form"
},
"TipoContrato": {
  "style": "form"
},
"FechaFirma": {
  "style": "form"
},
"Vigencia": {
  "style": "form"
},
"Prorroga": {
  "style": "form"
},
"CodSociedad": {
  "style": "form"
},
"Sociedad": {
  "style": "form"
},
"CodHito1": {
  "style": "form"
```

```
},
"Hito1": {
  "style": "form"
},
"CodTipoPago1": {
  "style": "form"
},
"TipoPago1": {
  "style": "form"
},
"Porcentaje1": {
  "style": "form"
},
"CodHito2": {
  "style": "form"
},
"Hito2": {
  "style": "form"
},
"CodTipoPago2": {
  "style": "form"
},
"TipoPago2": {
  "style": "form"
},
"Porcentaje2": {
  "style": "form"
},
"Observaciones": {
  "style": "form"
},
```

```
          "Documento": {
            "style": "form"
          },
          "DocumentPath": {
            "style": "form"
          }
        }
      }
    }
  },
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Propietarios/UpdateProyectosPropietariosByProyecto": {
 "put": {
  "tags": [
    "Propietarios"
  ],
  "parameters": [
   {
     "name": "CodProyecto",
     "in": "query",
     "schema": {
       "type": "integer",
       "format": "int32"
     }
   }
```

```
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Propietarios/UpdateProyectosPropietariosByPropietario": {
   "put": {
    "tags": [
     "Propietarios"
    ],
    "parameters": [
     {
       "name": "CodPropietario",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Propietarios/UpdateProyectosPropietarios": {
```

```
  "put": {
    "tags": [
      "Propietarios"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Propietarios/DeleteDuplicateOwners": {
  "put": {
    "tags": [
      "Propietarios"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Provincia/GetAllProvincias": {
  "get": {
    "tags": [
      "Provincia"
    ],
    "responses": {
      "200": {
        "description": "Success"
```

```
    }
   }
  }
 },
"/api/Provincia/GetProvinciaById": {
 "get": {
  "tags": [
   "Provincia"
  ],
  "parameters": [
   {
    "name": "codProvincia",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Provincia/AddProvincia": {
 "put": {
  "tags": [
   "Provincia"
  ],
```

```
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Provincias"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Provincias"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/Provincias"
     }
    }
   }
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Provincia/UpdateProvincia": {
 "put": {
  "tags": [
   "Provincia"
  ],
```

```
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Provincias"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Provincias"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/Provincias"
     }
    }
   }
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Provincia/DeleteProvincia": {
 "delete": {
  "tags": [
   "Provincia"
  ],
```

```
    "parameters": [
     {
       "name": "codProvincia",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Proyecto/GetProyectos": {
  "get": {
    "tags": [
      "Proyecto"
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Proyecto/GetProyectosByUser": {
  "get": {
```

```
    "tags": [
      "Proyecto"
    ],
    "parameters": [
     {
       "name": "codUser",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Proyecto/GetProyectoById": {
  "get": {
    "tags": [
      "Proyecto"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
```

```
        "format": "int32"
       }
      }
     ],
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
  "/api/Proyecto/GetCostesOcupacion": {
   "get": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
```

```
 }
},
"/api/Proyecto/GetOcupacionSueloByProyecto": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   },
   {
    "name": "codEstadoProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
```

```
},
"/api/Proyecto/GetCostesEstimadosSueloByCodProyecto": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   },
   {
    "name": "codEstadoProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
```

```
"/api/Proyecto/GetCostesEstimadosSuelo": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codEstadoProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Proyecto/GetParcelasOcupacionByProyecto": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
```

```
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    },
    {
      "name": "codEstadoProyecto",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "Success"
    }
  }
 }
},
"/api/Proyecto/GetTiposProyecto": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
```

```
 }
},
"/api/Proyecto/GetConfiguracionContratos": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Proyecto/GetTiposDocumento": {
 "get": {
  "tags": [
   "Proyecto"
  ],
  "responses": {
   "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Proyecto/GetCuadroCostes": {
  "get": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Proyecto/GetAllCuadroCostes": {
  "get": {
    "tags": [
     "Proyecto"
```

```
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Proyecto/AddProyecto": {
   "put": {
    "tags": [
     "Proyecto"
    ],
    "requestBody": {
     "content": {
      "application/json": {
       "schema": {
        "$ref": "#/components/schemas/Proyectos"
       }
      },
      "text/json": {
       "schema": {
        "$ref": "#/components/schemas/Proyectos"
       }
      },
      "application/*+json": {
       "schema": {
        "$ref": "#/components/schemas/Proyectos"
       }
      }
     }
```

```
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Proyecto/UpdateProyecto": {
 "put": {
  "tags": [
   "Proyecto"
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Proyectos"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Proyectos"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/Proyectos"
     }
    }
   }
```

```
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Proyecto/UpdateCostesOcupacion": {
 "put": {
  "tags": [
   "Proyecto"
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Proyectos_Ocupaciones_Costes"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Proyectos_Ocupaciones_Costes"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/Proyectos_Ocupaciones_Costes"
     }
    }
   }
```

```
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Proyecto/GetElementosCostesConfig": {
   "get": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Proyecto/UpdateElementosCostesConfig": {
```

```
"put": {
 "tags": [
  "Proyecto"
 ],
 "requestBody": {
  "content": {
   "application/json": {
    "schema": {
     "type": "array",
     "items": {
      "$ref": "#/components/schemas/Proyecto_Elemento_Coste"
     }
    }
   },
   "text/json": {
    "schema": {
     "type": "array",
     "items": {
      "$ref": "#/components/schemas/Proyecto_Elemento_Coste"
     }
    }
   },
   "application/*+json": {
    "schema": {
     "type": "array",
     "items": {
      "$ref": "#/components/schemas/Proyecto_Elemento_Coste"
     }
    }
   }
  }
```

```
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
  "/api/Proyecto/ChangeEstadoProyecto": {
   "put": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
       "name": "codEstadoProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
```

```
      "name": "obs",
      "in": "query",
      "schema": {
       "type": "string",
       "default": ""
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Proyecto": {
   "delete": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
```

```
    "200": {
     "description": "Success"
    }
   }
  }
 },
"/api/Proyecto/InsertConfigContrato": {
 "put": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Contrato_Configuracion"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Contrato_Configuracion"
```

```
        }
       },
       "application/*+json": {
        "schema": {
         "$ref": "#/components/schemas/Contrato_Configuracion"
        }
       }
      }
     },
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
  },
  "/api/Proyecto/UpdateConfigContrato": {
   "put": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
```

```
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/Contrato_Configuracion"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/Contrato_Configuracion"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/Contrato_Configuracion"
     }
    }
   }
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Proyecto/DeleteConfigContrato": {
 "delete": {
  "tags": [
   "Proyecto"
  ],
```

```
    "parameters": [
     {
       "name": "codProyecto",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     },
     {
       "name": "CodTipoContrato",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
     }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Proyecto/ImportProyecto": {
  "post": {
    "tags": [
      "Proyecto"
    ],
    "parameters": [
```

```
 {
  "name": "codProyecto",
  "in": "query",
  "schema": {
   "type": "integer",
   "format": "int32"
  }
 }
],
"requestBody": {
 "content": {
  "application/json": {
   "schema": {
    "type": "array",
    "items": {
     "$ref": "#/components/schemas/ProyectoImport"
    }
   }
  },
  "text/json": {
   "schema": {
    "type": "array",
    "items": {
     "$ref": "#/components/schemas/ProyectoImport"
    }
   }
  },
  "application/*+json": {
   "schema": {
    "type": "array",
    "items": {
```

```
          "$ref": "#/components/schemas/ProyectoImport"
         }
        }
       }
      }
     },
     "responses": {
      "200": {
       "description": "Success"
      }
     }
    }
   },
   "/api/Proyecto/ImportParcelas": {
    "post": {
     "tags": [
      "Proyecto"
     ],
     "parameters": [
      {
       "name": "codProyecto",
       "in": "query",
       "schema": {
        "type": "integer",
        "format": "int32"
       }
      }
     ],
     "requestBody": {
      "content": {
       "application/json": {
```

```
      "schema": {
       "type": "array",
       "items": {
        "$ref": "#/components/schemas/ParcelasImport"
       }
      }
     },
     "text/json": {
      "schema": {
       "type": "array",
       "items": {
        "$ref": "#/components/schemas/ParcelasImport"
       }
      }
     },
     "application/*+json": {
      "schema": {
       "type": "array",
       "items": {
        "$ref": "#/components/schemas/ParcelasImport"
       }
      }
     }
    }
   },
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
```

```
},
"/api/Proyecto/ImportPropietarios": {
 "post": {
  "tags": [
   "Proyecto"
  ],
  "parameters": [
   {
    "name": "codProyecto",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "type": "array",
      "items": {
       "$ref": "#/components/schemas/PropietariosImport"
      }
     }
    },
    "text/json": {
     "schema": {
      "type": "array",
      "items": {
       "$ref": "#/components/schemas/PropietariosImport"
```

```
        }
       }
      },
      "application/*+json": {
       "schema": {
        "type": "array",
        "items": {
         "$ref": "#/components/schemas/PropietariosImport"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Proyecto/ImportOcupacionesProyecto": {
  "post": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
      "name": "codProyecto",
      "in": "query",
      "schema": {
       "type": "integer",
```

```
    "format": "int32"
   }
  }
 ],
 "requestBody": {
  "content": {
   "application/json": {
    "schema": {
     "type": "array",
     "items": {
      "type": "object",
      "additionalProperties": { }
     }
    }
   },
   "text/json": {
    "schema": {
     "type": "array",
     "items": {
      "type": "object",
      "additionalProperties": { }
     }
    }
   },
   "application/*+json": {
    "schema": {
     "type": "array",
     "items": {
      "type": "object",
      "additionalProperties": { }
     }
```

```
        }
       }
      }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Proyecto/UpdateAllCoordsProyectos": {
  "put": {
    "tags": [
     "Proyecto"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
},
"/api/Proyecto/UpdateCoordsProyecto": {
  "put": {
    "tags": [
     "Proyecto"
    ],
    "parameters": [
     {
      "name": "codProyecto",
```

```
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
   ],
   "responses": {
    "200": {
      "description": "Success"
    }
   }
  }
 },
 "/api/Proyecto/LockUnlock": {
  "put": {
   "tags": [
    "Proyecto"
   ],
   "parameters": [
    {
      "name": "codProyecto",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    },
    {
      "name": "lock",
      "in": "query",
```

```
        "schema": {
          "type": "string",
          "format": "date-time"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Sociedad/GetSociedades": {
  "get": {
    "tags": [
      "Sociedad"
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Sociedad/GetSociedadByCodProyecto": {
  "get": {
    "tags": [
      "Sociedad"
    ],
    "parameters": [
```

```
    {
      "name": "codProyecto",
      "in": "query",
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
   ],
   "responses": {
    "200": {
      "description": "Success"
    }
   }
  }
},
"/api/Sociedad/AddSociedad": {
 "post": {
   "tags": [
    "Sociedad"
   ],
   "requestBody": {
    "content": {
      "multipart/form-data": {
       "schema": {
         "type": "object",
         "properties": {
           "CodSociedad": {
             "type": "integer",
             "format": "int32"
           },
```

```
"Nombre": {
  "type": "string"
},
"ShareHolder": {
  "type": "string"
},
"Direccion": {
  "type": "string"
},
"CP": {
  "type": "string"
},
"Poblacion": {
  "type": "string"
},
"CodProvincia": {
  "type": "integer",
  "format": "int32"
},
"Provincia": {
  "type": "string"
},
"CIF": {
  "type": "string"
},
"Proyectos": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/ProyectoLite"
  }
},
```

```
    "DocumentoCIF": {
      "type": "string"
    },
    "DocumentoEsc": {
      "type": "string"
    },
    "DocumentoCIFFile": {
      "type": "string",
      "format": "binary"
    },
    "DocumentoEscFile": {
      "type": "string",
      "format": "binary"
    }
  }
},
"encoding": {
  "CodSociedad": {
    "style": "form"
  },
  "Nombre": {
    "style": "form"
  },
  "ShareHolder": {
    "style": "form"
  },
  "Direccion": {
    "style": "form"
  },
  "CP": {
    "style": "form"
```

```
    },
    "Poblacion": {
      "style": "form"
    },
    "CodProvincia": {
      "style": "form"
    },
    "Provincia": {
      "style": "form"
    },
    "CIF": {
      "style": "form"
    },
    "Proyectos": {
      "style": "form"
    },
    "DocumentoCIF": {
      "style": "form"
    },
    "DocumentoEsc": {
      "style": "form"
    },
    "DocumentoCIFFile": {
      "style": "form"
    },
    "DocumentoEscFile": {
      "style": "form"
    }
   }
  }
}
```

```
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
   }
  },
 "/api/Sociedad/UpdateSociedad": {
   "put": {
    "tags": [
     "Sociedad"
    ],
    "requestBody": {
     "content": {
       "multipart/form-data": {
         "schema": {
           "type": "object",
           "properties": {
             "CodSociedad": {
               "type": "integer",
               "format": "int32"
             },
             "Nombre": {
               "type": "string"
             },
             "ShareHolder": {
               "type": "string"
             },
             "Direccion": {
               "type": "string"
```

```
},
"CP": {
 "type": "string"
},
"Poblacion": {
 "type": "string"
},
"CodProvincia": {
 "type": "integer",
 "format": "int32"
},
"Provincia": {
 "type": "string"
},
"CIF": {
 "type": "string"
},
"Proyectos": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/ProyectoLite"
 }
},
"DocumentoCIF": {
 "type": "string"
},
"DocumentoEsc": {
 "type": "string"
},
"DocumentoCIFFile": {
 "type": "string",
```

```
      "format": "binary"
    },
    "DocumentoEscFile": {
      "type": "string",
      "format": "binary"
    }
  }
 },
 "encoding": {
  "CodSociedad": {
    "style": "form"
  },
  "Nombre": {
    "style": "form"
  },
  "ShareHolder": {
    "style": "form"
  },
  "Direccion": {
    "style": "form"
  },
  "CP": {
    "style": "form"
  },
  "Poblacion": {
    "style": "form"
  },
  "CodProvincia": {
    "style": "form"
  },
  "Provincia": {
```

```
          "style": "form"
        },
        "CIF": {
          "style": "form"
        },
        "Proyectos": {
          "style": "form"
        },
        "DocumentoCIF": {
          "style": "form"
        },
        "DocumentoEsc": {
          "style": "form"
        },
        "DocumentoCIFFile": {
          "style": "form"
        },
        "DocumentoEscFile": {
          "style": "form"
        }
       }
      }
     }
    },
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
```

```
"/api/Sociedad/DeleteSociedad": {
 "delete": {
  "tags": [
   "Sociedad"
  ],
  "parameters": [
   {
    "name": "codSociedad",
    "in": "query",
    "schema": {
     "type": "integer",
     "format": "int32"
    }
   }
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
"/api/Usuario/GetUsuarios": {
 "get": {
  "tags": [
   "Usuario"
  ],
  "responses": {
   "200": {
    "description": "Success"
   }
```

```
    }
   }
  },
  "/api/Usuario/GetUsuariosLite": {
   "get": {
    "tags": [
     "Usuario"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Usuario/GetUsuario": {
   "get": {
    "tags": [
     "Usuario"
    ],
    "parameters": [
     {
      "name": "email",
      "in": "query",
      "schema": {
       "type": "string"
      }
     }
    ],
    "responses": {
     "200": {
```

```
      "description": "Success"
     }
    }
   }
},
"/api/Usuario/GetUsuarioById": {
  "get": {
    "tags": [
     "Usuario"
    ],
    "parameters": [
     {
      "name": "codUsuario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
  }
},
"/api/Usuario/GetCodProyectosByUsuario": {
  "get": {
    "tags": [
     "Usuario"
```

```
    ],
    "parameters": [
     {
      "name": "codUsuario",
      "in": "query",
      "schema": {
       "type": "integer",
       "format": "int32"
      }
     }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Usuario/AddUsuario": {
   "put": {
    "tags": [
     "Usuario"
    ],
    "requestBody": {
     "content": {
      "application/json": {
       "schema": {
        "$ref": "#/components/schemas/Usuarios"
       }
      },
      "text/json": {
```

```
        "schema": {
          "$ref": "#/components/schemas/Usuarios"
        }
       },
       "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/Usuarios"
        }
       }
      }
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
},
"/api/Usuario/UpdateUsuario": {
  "put": {
    "tags": [
     "Usuario"
    ],
    "requestBody": {
     "content": {
       "application/json": {
        "schema": {
          "$ref": "#/components/schemas/Usuarios"
        }
       },
       "text/json": {
```

```
        "schema": {
          "$ref": "#/components/schemas/Usuarios"
        }
       },
       "application/*+json": {
        "schema": {
          "$ref": "#/components/schemas/Usuarios"
        }
       }
     }
    },
    "responses": {
     "200": {
       "description": "Success"
     }
    }
  }
 },
 "/api/Usuario/DeleteUsuario": {
  "delete": {
    "tags": [
     "Usuario"
    ],
    "parameters": [
     {
       "name": "codUsuario",
       "in": "query",
       "schema": {
         "type": "integer",
         "format": "int32"
       }
```

```
    }
   ],
   "responses": {
    "200": {
     "description": "Success"
    }
   }
  }
 },
 "/api/Usuario/ChangePassword": {
  "put": {
   "tags": [
    "Usuario"
   ],
   "parameters": [
    {
     "name": "CodUsuario",
     "in": "query",
     "schema": {
      "type": "integer",
      "format": "int32"
     }
    },
    {
     "name": "Password",
     "in": "query",
     "schema": {
      "type": "string"
     }
    }
   ],
```

```
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Usuario/HabilitarUsuario": {
  "put": {
    "tags": [
      "Usuario"
    ],
    "parameters": [
      {
        "name": "codUsuario",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Usuario/DeshabilitarUsuario": {
  "put": {
```

```
    "tags": [
      "Usuario"
    ],
    "parameters": [
      {
        "name": "codUsuario",
        "in": "query",
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
},
"/api/Usuario/ChangeLanguage": {
  "put": {
    "tags": [
      "Usuario"
    ],
    "parameters": [
      {
        "name": "codUsuario",
        "in": "query",
        "schema": {
          "type": "integer",
```

```
        "format": "int32"
       }
      },
      {
       "name": "lang",
       "in": "query",
       "schema": {
        "type": "integer",
        "format": "int32"
       }
      }
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
  "/api/Validacion/GetAll": {
   "get": {
    "tags": [
     "Validacion"
    ],
    "responses": {
     "200": {
      "description": "Success"
     }
    }
   }
  },
```

```
"/api/Validacion/Add": {
 "put": {
  "tags": [
   "Validacion"
  ],
  "requestBody": {
   "content": {
    "application/json": {
     "schema": {
      "$ref": "#/components/schemas/ValidacionDTO"
     }
    },
    "text/json": {
     "schema": {
      "$ref": "#/components/schemas/ValidacionDTO"
     }
    },
    "application/*+json": {
     "schema": {
      "$ref": "#/components/schemas/ValidacionDTO"
     }
    }
   }
  },
  "responses": {
   "200": {
    "description": "Success"
   }
  }
 }
},
```

```
"/api/Validacion/ReloadDocumentoValidacion": {
 "post": {
  "tags": [
   "Validacion"
  ],
  "requestBody": {
   "content": {
    "multipart/form-data": {
     "schema": {
      "type": "object",
      "properties": {
       "Fichero": {
        "type": "string",
        "format": "binary"
       },
       "codDocumento": {
        "type": "integer",
        "format": "int32"
       },
       "codTipoDocumento": {
        "type": "integer",
        "format": "int32"
       },
       "codTipoEntidad": {
        "type": "integer",
        "format": "int32"
       },
       "observaciones": {
        "type": "string"
       }
      }
```

```
        },
        "encoding": {
          "Fichero": {
            "style": "form"
          },
          "codDocumento": {
            "style": "form"
          },
          "codTipoDocumento": {
            "style": "form"
          },
          "codTipoEntidad": {
            "style": "form"
          },
          "observaciones": {
            "style": "form"
          }
        }
      }
    },
    "responses": {
      "200": {
        "description": "Success"
      }
    }
  }
 }
},
"components": {
  "schemas": {
```

```
"Adenda": {
 "type": "object",
 "properties": {
  "codAdenda": {
   "type": "integer",
   "format": "int32"
  },
  "codContrato": {
   "type": "integer",
   "format": "int32"
  },
  "fecha": {
   "type": "string",
   "format": "date-time"
  },
  "superficie": {
   "type": "boolean"
  },
  "importe": {
   "type": "boolean"
  },
  "plazo": {
   "type": "boolean"
  },
  "titularidad": {
   "type": "boolean"
  },
  "otros": {
   "type": "boolean"
  }
 },
```

```
  "additionalProperties": false
 },
 "Anticipo": {
  "type": "object",
  "properties": {
   "codAnticipo": {
    "type": "integer",
    "format": "int32"
   },
   "codContrato": {
    "type": "integer",
    "format": "int32"
   },
   "fecha": {
    "type": "string",
    "format": "date-time"
   },
   "importe": {
    "type": "number",
    "format": "double"
   },
   "codTipoPago": {
    "type": "integer",
    "format": "int32"
   },
   "vigencia": {
    "type": "integer",
    "format": "int32"
   },
   "prorroga": {
    "type": "integer",
```

```
      "format": "int32",
      "nullable": true
    }
   },
   "additionalProperties": false
  },
  "ChatRequest": {
   "type": "object",
   "properties": {
    "message": {
     "type": "string",
     "nullable": true
    }
   },
   "additionalProperties": false
  },
  "Comentario": {
   "type": "object",
   "properties": {
    "codComentario": {
     "type": "integer",
     "format": "int64"
    },
    "codUsuario": {
     "type": "integer",
     "format": "int32"
    },
    "codTipoComentario": {
     "type": "integer",
     "format": "int32"
    },
```

```
"codPropietario": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"codParcela": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"codMotivo": {
  "type": "integer",
  "format": "int32"
},
"codCanal": {
  "type": "integer",
  "format": "int32"
},
"valoracion": {
  "type": "integer",
  "format": "int32"
},
"motivoLibre": {
  "type": "string",
  "nullable": true
},
"descripcion": {
  "type": "string",
  "nullable": true
},
"fechaComentario": {
```

```
      "type": "string",
      "format": "date-time"
    },
    "fechaCreacion": {
      "type": "string",
      "format": "date-time"
    },
    "nombreUsuario": {
      "type": "string",
      "nullable": true
    },
    "nombrePropietario": {
      "type": "string",
      "nullable": true
    },
    "refCatastralParcela": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Comunidades": {
  "type": "object",
  "properties": {
    "codComunidad": {
      "type": "integer",
      "format": "int32"
    },
    "comunidad": {
      "type": "string",
```

```
      "nullable": true
    }
   },
   "additionalProperties": false
  },
  "ContratoDocumento": {
   "type": "object",
   "properties": {
    "codContrato": {
     "type": "integer",
     "format": "int32"
    }
   },
   "additionalProperties": false
  },
  "Contrato_Configuracion": {
   "type": "object",
   "properties": {
    "codTipoContrato": {
     "type": "integer",
     "format": "int32"
    },
    "tipoContrato": {
     "type": "string",
     "nullable": true
    },
    "vigencia": {
     "type": "integer",
     "format": "int32"
    },
    "prorroga": {
```

```
  "type": "integer",
  "format": "int32"
},
"codTipoPago": {
  "type": "integer",
  "format": "int32"
},
"tipoPago": {
  "type": "string",
  "nullable": true
},
"codHito1": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"hito1": {
  "type": "string",
  "nullable": true
},
"porcentaje1": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"codHito2": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"hito2": {
```

```
      "type": "string",
      "nullable": true
    },
    "porcentaje2": {
      "type": "integer",
      "format": "int32",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Contratos_Registro": {
  "type": "object",
  "properties": {
    "codRegistroEscritura": {
      "type": "integer",
      "format": "int32"
    },
    "codEscritura": {
      "type": "integer",
      "format": "int32"
    },
    "codRegistro": {
      "type": "integer",
      "format": "int32"
    },
    "fechaEnvioDoc": {
      "type": "string",
      "format": "date-time",
      "nullable": true
    },
```

```
    "fechaRegistro": {
     "type": "string",
     "format": "date-time",
     "nullable": true
    },
    "documentoRegistro": {
     "type": "string",
     "format": "binary",
     "nullable": true
    },
    "docRegistro": {
     "type": "string",
     "nullable": true
    },
    "observaciones": {
     "type": "string",
     "nullable": true
    }
   },
   "additionalProperties": false
  },
  "Costes_Ocupaciones_Configuracion": {
   "type": "object",
   "properties": {
    "codConfiguracionOcupacionCostes": {
     "type": "integer",
     "format": "int32"
    },
    "codComunidad": {
     "type": "integer",
     "format": "int32"
```

```
},
"comunidades": {
 "$ref": "#/components/schemas/Comunidades"
},
"pleno_Dominio": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"servidumbre_Vuelo": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"servidumbre_Paso": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"servidumbre": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"ocupacion_Temporal": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"plantas_Fotovoltaicas": {
 "type": "number",
```

```
      "format": "double",
      "nullable": true
    },
    "planta_Almacenamiento": {
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "extra": {
      "type": "number",
      "format": "double",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Elemento_Constructivo": {
  "type": "object",
  "properties": {
    "codElemento": {
      "type": "integer",
      "format": "int32"
    },
    "tipoElemento": {
      "$ref": "#/components/schemas/Elementos_Tipos"
    },
    "descripcion": {
      "type": "string",
      "nullable": true
    },
    "tipoSuelo": {
```

```
      "$ref": "#/components/schemas/Tipo_Suelo"
    },
    "unidad": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Elementos_Tipos": {
  "type": "object",
  "properties": {
    "codTipoElemento": {
      "type": "integer",
      "format": "int32"
    },
    "descripcion": {
      "type": "string",
      "nullable": true
    },
    "tiposProyecto": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Tipo_Proyecto"
      },
      "nullable": true
    }
  },
  "additionalProperties": false
},
"EscrituraPublica": {
```

```
"type": "object",
"properties": {
 "codEscritura": {
  "type": "integer",
  "format": "int32"
 },
 "codContratos": {
  "type": "array",
  "items": {
   "type": "integer",
   "format": "int32"
  },
  "nullable": true
 },
 "proyectos": {
  "type": "array",
  "items": {
   "$ref": "#/components/schemas/ProyectoLite"
  },
  "nullable": true
 },
 "codPadre": {
  "type": "integer",
  "format": "int32",
  "nullable": true
 },
 "ratificacionReq": {
  "type": "boolean"
 },
 "codNotario": {
  "type": "integer",
```

```
  "format": "int32"
},
"codSociedad": {
  "type": "integer",
  "format": "int32"
},
"fechaDocEnviadaNotario": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"fechaEscrituraPublica": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"fechaEscrituraRecibidaNotario": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"fechaEscrituraEnviadaCentral": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"docEscrituraNotario": {
  "type": "string",
  "format": "binary",
  "nullable": true
},
```

```
"docEscrituraNotarioPath": {
  "type": "string",
  "nullable": true
},
"numProtocolo": {
  "type": "string",
  "nullable": true
},
"obsNotario": {
  "type": "string",
  "nullable": true
},
"fechaLiquidacion": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"importeLiquidacion": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"docLiquidacion": {
  "type": "string",
  "format": "binary",
  "nullable": true
},
"docLiquidacionPath": {
  "type": "string",
  "nullable": true
},
```

```
"codRegistro": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"fechaDocEnviadaRegistro": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"fechaRegistro": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"docRegistro": {
  "type": "string",
  "format": "binary",
  "nullable": true
},
"docRegistroPath": {
  "type": "string",
  "nullable": true
},
"numRegistro": {
  "type": "string",
  "nullable": true
},
"obsRegistro": {
  "type": "string",
  "nullable": true
```

```
    },
    "facturas": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Factura_Escritura"
      },
      "nullable": true
    },
    "registros": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/Contratos_Registro"
      },
      "nullable": true
    }
  },
  "additionalProperties": false
},
"EstadoActualParcelas": {
  "enum": [
    {
      "codEstadoActualParcelas": 1,
      "description": "Sin Identificar"
    },
    {
      "codEstadoActualParcelas": 2,
      "description": "Sin Firmar"
    },
    {
      "codEstadoActualParcelas": 3,
      "description": "Firmada pend. doc."
```

```
    },
    {
      "codEstadoActualParcelas": 4,
      "description": "Firmada"
    },
    {
      "codEstadoActualParcelas": 9,
      "description": "Sin Estado"
    }
  ],
  "type": "integer",
  "format": "int32"
},
"EstadoActualProyectos": {
  "enum": [
    {
      "codEstadoActualProyectos": 1,
      "description": "TO GATE 0"
    },
    {
      "codEstadoActualProyectos": 2,
      "description": "TO GATE 1"
    },
    {
      "codEstadoActualProyectos": 3,
      "description": "TO GATE 2"
    },
    {
      "codEstadoActualProyectos": 4,
      "description": "TO GATE 3"
    },
```

```
    {
      "codEstadoActualProyectos": 5,
      "description": "TO GATE 4"
    },
    {
      "codEstadoActualProyectos": 6,
      "description": "To GATE 5"
    },
    {
      "codEstadoActualProyectos": 9,
      "description": "Descartado"
    }
  ],
  "type": "integer",
  "format": "int32"
},
"Factura": {
  "type": "object",
  "properties": {
    "codFactura": {
      "type": "integer",
      "format": "int32"
    },
    "codContrato": {
      "type": "integer",
      "format": "int32"
    },
    "codTipoContrato": {
      "type": "integer",
      "format": "int32"
    },
```

```
"codProyecto": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"codPropietario": {
 "type": "integer",
 "format": "int32"
},
"propietario": {
 "$ref": "#/components/schemas/PropietarioDTO"
},
"isPago": {
 "type": "boolean"
},
"autoGenerated": {
 "type": "boolean"
},
"numFactura": {
 "type": "string",
 "nullable": true
},
"fecha": {
 "type": "string",
 "format": "date-time"
},
"concepto": {
 "type": "string",
 "nullable": true
},
"importe": {
```

```
  "type": "number",
  "format": "double"
},
"alcanceDesde": {
  "type": "string",
  "format": "date-time"
},
"alcanceHasta": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"hito": {
  "type": "integer",
  "format": "int32"
},
"documento": {
  "type": "string",
  "format": "binary",
  "nullable": true
},
"documentoPath": {
  "type": "string",
  "nullable": true
},
"justificante": {
  "type": "string",
  "nullable": true
},
"justificantePath": {
  "type": "string",
```

```
    "nullable": true
   },
   "codEstadoFactura": {
    "type": "integer",
    "format": "int32"
   },
   "fechaRecepcion": {
    "type": "string",
    "format": "date-time",
    "nullable": true
   },
   "fechaSolicitudPago": {
    "type": "string",
    "format": "date-time",
    "nullable": true
   },
   "fechaPago": {
    "type": "string",
    "format": "date-time",
    "nullable": true
   },
   "observaciones": {
    "type": "string",
    "nullable": true
   },
   "alerta": {
    "type": "string",
    "nullable": true
   }
  },
  "additionalProperties": false
```

```
},
"Factura_Escritura": {
 "type": "object",
 "properties": {
  "codEscrituras": {
   "type": "array",
   "items": {
    "type": "integer",
    "format": "int32"
   },
   "nullable": true
  },
  "escrituras": {
   "type": "array",
   "items": {
    "$ref": "#/components/schemas/EscrituraPublica"
   },
   "nullable": true
  },
  "codFactura": {
   "type": "integer",
   "format": "int32"
  },
  "codNotario": {
   "type": "integer",
   "format": "int32",
   "nullable": true
  },
  "codRegistro": {
   "type": "integer",
   "format": "int32",
```

```
  "nullable": true
},
"importe": {
  "type": "number",
  "format": "double"
},
"codPedido": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"numPedido": {
  "type": "string",
  "nullable": true
},
"numFactura": {
  "type": "string",
  "nullable": true
},
"fechaFactura": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"fechaPago": {
  "type": "string",
  "format": "date-time",
  "nullable": true
},
"docFactura": {
  "type": "string",
```

```
  "format": "binary",
  "nullable": true
},
"documentoPath": {
  "type": "string",
  "nullable": true
},
"docJustificantePago": {
  "type": "string",
  "format": "binary",
  "nullable": true
},
"justificantePath": {
  "type": "string",
  "nullable": true
},
"observaciones": {
  "type": "string",
  "nullable": true
},
"numProtocolo": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"minuta": {
  "type": "string",
  "nullable": true
},
"instrumento": {
  "type": "integer",
```

```
      "format": "int32",
      "nullable": true
    },
    "codEstado": {
      "type": "integer",
      "format": "int32",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"LatLong": {
  "type": "object",
  "properties": {
    "latitude": {
      "type": "number",
      "format": "double"
    },
    "longitude": {
      "type": "number",
      "format": "double"
    }
  },
  "additionalProperties": false
},
"LoginUsuario": {
  "type": "object",
  "properties": {
    "email": {
      "type": "string",
      "nullable": true
```

```
    },
    "password": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"ParcelaCatastro": {
  "type": "object",
  "properties": {
    "referenciaCatastral": {
      "type": "string",
      "nullable": true
    },
    "clase": {
      "type": "string",
      "nullable": true
    },
    "usoPrincipal": {
      "type": "string",
      "nullable": true
    },
    "naturaleza": {
      "type": "string",
      "nullable": true
    },
    "superficie": {
      "type": "number",
      "format": "double"
    },
```

```
 "codParcela": {
  "type": "integer",
  "format": "int32"
 },
 "coordinates": {
  "type": "array",
  "items": {
   "$ref": "#/components/schemas/LatLong"
  },
  "nullable": true
 },
 "center": {
  "$ref": "#/components/schemas/LatLong"
 },
 "area": {
  "type": "number",
  "format": "double"
 },
 "srs": {
  "type": "string",
  "nullable": true
 },
 "fichaParcelaUrl": {
  "type": "string",
  "nullable": true
 },
 "esRara": {
  "type": "boolean",
  "nullable": true
 }
},
```

```
  "additionalProperties": false
},
"ParcelaContrato": {
  "type": "object",
  "properties": {
    "codParcela": {
      "type": "integer",
      "format": "int32"
    },
    "desafectada": {
      "type": "boolean"
    },
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "proyecto": {
      "type": "string",
      "nullable": true
    },
    "refCatastral": {
      "type": "string",
      "nullable": true
    },
    "numFincaSSE": {
      "type": "string",
      "nullable": true
    },
    "propietarios": {
      "type": "array",
      "items": {
```

```
      "$ref": "#/components/schemas/PropietarioContrato"
     },
     "nullable": true
    }
   },
   "additionalProperties": false
  },
  "ParcelaDTO": {
   "type": "object",
   "properties": {
    "codParcela": {
     "type": "integer",
     "format": "int32"
    },
    "codProyecto": {
     "type": "integer",
     "format": "int32"
    },
    "codProvincia": {
     "type": "integer",
     "format": "int32",
     "nullable": true
    },
    "refCatastral": {
     "type": "string",
     "nullable": true
    },
    "numFincaSSE": {
     "type": "string",
     "nullable": true
    },
```

```
"poligono": {
  "type": "string",
  "nullable": true
},
"parcela": {
  "type": "string",
  "nullable": true
},
"obs": {
  "type": "string",
  "nullable": true
},
"codTipoEntidad": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"codTipoSubentidad": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"naturaleza": {
  "type": "string",
  "nullable": true
},
"superficie": {
  "type": "number",
  "format": "double",
  "nullable": true
},
```

```
    "superficieUtil": {
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "codEstadoActual": {
      "type": "integer",
      "format": "int32"
    },
    "codTipoEscritura": {
      "type": "integer",
      "format": "int32"
    },
    "solInforRegProp": {
      "type": "boolean"
    },
    "numRegProp": {
      "type": "string",
      "nullable": true
    },
    "descripcionDocFirma": {
      "type": "string",
      "nullable": true
    }
   },
   "additionalProperties": false
  },
  "ParcelaDocumento": {
   "type": "object",
   "properties": {
    "codParcela": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "refCatastral": {
      "type": "string",
      "nullable": true
    },
    "numFincaSSE": {
      "type": "string",
      "nullable": true
    },
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "proyecto": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"ParcelaPropietario": {
  "type": "object",
  "properties": {
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "codParcela": {
      "type": "integer",
```

```
  "format": "int32"
},
"refCatastral": {
  "type": "string",
  "nullable": true
},
"numFincaSSE": {
  "type": "string",
  "nullable": true
},
"codPropietario": {
  "type": "integer",
  "format": "int32"
},
"nombre": {
  "type": "string",
  "nullable": true
},
"apellidos": {
  "type": "string",
  "nullable": true
},
"dni": {
  "type": "string",
  "nullable": true
},
"propietario": {
  "type": "string",
  "nullable": true
},
"codTipoTitular": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "tipoTitular": {
      "type": "string",
      "nullable": true
    },
    "porcentaje": {
      "type": "number",
      "format": "double"
    }
  },
  "additionalProperties": false
},
"Parcelas": {
  "type": "object",
  "properties": {
    "codParcela": {
      "type": "integer",
      "format": "int32"
    },
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "proyecto": {
      "$ref": "#/components/schemas/Proyectos"
    },
    "refCatastral": {
      "type": "string",
      "nullable": true
```

```
},
"superficie": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"superficieUtil": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"codProvincia": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"provincias": {
 "$ref": "#/components/schemas/Provincias"
},
"poligono": {
 "type": "string",
 "nullable": true
},
"parcela": {
 "type": "string",
 "nullable": true
},
"naturaleza": {
 "type": "string",
 "nullable": true
},
```

```
"codTipoEntidad": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"tipoEntidad": {
 "$ref": "#/components/schemas/TipoEntidad"
},
"codTipoSubentidad": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"tipoSubentidad": {
 "$ref": "#/components/schemas/TipoSubentidad"
},
"codEstadoActual": {
 "type": "integer",
 "format": "int32"
},
"estadoActual": {
 "$ref": "#/components/schemas/EstadoActualParcelas"
},
"parcelaCatastro": {
 "$ref": "#/components/schemas/ParcelaCatastro"
},
"propietarios": {
 "type": "array",
 "items": {
  "$ref": "#/components/schemas/Propietarios"
 },
```

```
  "nullable": true
},
"numFincaSSE": {
  "type": "string",
  "nullable": true
},
"codTipoEscritura": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"solInforRegProp": {
  "type": "boolean"
},
"numRegProp": {
  "type": "string",
  "nullable": true
},
"descripcionDocFirma": {
  "type": "string",
  "nullable": true
},
"obs": {
  "type": "string",
  "nullable": true
},
"desafectada": {
  "type": "boolean"
},
"dup": {
  "type": "boolean"
```

```
    }
   },
   "additionalProperties": false
  },
  "ParcelasImport": {
   "type": "object",
   "properties": {
    "codParcela": {
     "type": "integer",
     "format": "int32"
    },
    "numFincaSSE": {
     "type": "string",
     "nullable": true
    },
    "refCatastral": {
     "type": "string",
     "nullable": true
    },
    "poligono": {
     "type": "string",
     "nullable": true
    },
    "parcela": {
     "type": "string",
     "nullable": true
    },
    "codNaturaleza": {
     "type": "integer",
     "format": "int32",
     "nullable": true
```

```
},
"naturaleza": {
 "type": "string",
 "nullable": true
},
"codTipoEntidad": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"tipoEntidad": {
 "type": "string",
 "nullable": true
},
"codTipoSubentidad": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"tipoSubentidad": {
 "type": "string",
 "nullable": true
},
"superficieUtil": {
 "type": "number",
 "format": "double",
 "nullable": true
},
"codTipoEscritura": {
 "type": "integer",
 "format": "int32"
```

```
    },
    "tipoEscritura": {
      "type": "string",
      "nullable": true
    },
    "solInforRegProp": {
      "type": "boolean"
    },
    "numRegProp": {
      "type": "string",
      "nullable": true
    },
    "descripcionDocFirma": {
      "type": "string",
      "nullable": true
    },
    "codProvincia": {
      "type": "integer",
      "format": "int32",
      "nullable": true
    },
    "codMunicipio": {
      "type": "integer",
      "format": "int32",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Parcelas_Ocupacion": {
  "type": "object",
```

```
"properties": {
 "codParcelaOcupacion": {
  "type": "integer",
  "format": "int32"
 },
 "codParcela": {
  "type": "integer",
  "format": "int32"
 },
 "codEstadoProyecto": {
  "type": "integer",
  "format": "int32",
  "nullable": true
 },
 "elemento": {
  "$ref": "#/components/schemas/Elemento_Constructivo"
 },
 "codigo": {
  "type": "string",
  "nullable": true
 },
 "valor": {
  "type": "number",
  "format": "double",
  "nullable": true
 },
 "codUsuario": {
  "type": "integer",
  "format": "int32",
  "nullable": true
 },
```

```
    "fecha": {
      "type": "string",
      "format": "date-time",
      "nullable": true
    },
    "obs": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Parcelas_Ocupacion_Trazabilidad": {
  "type": "object",
  "properties": {
    "codOcupacionTrazabilidad": {
      "type": "integer",
      "format": "int32"
    },
    "codElemento": {
      "type": "integer",
      "format": "int32"
    },
    "elementos": {
      "$ref": "#/components/schemas/Elemento_Constructivo"
    },
    "codParcela": {
      "type": "integer",
      "format": "int32"
    },
    "parcela": {
```

```
  "$ref": "#/components/schemas/Parcelas"
},
"codEstadoProyecto": {
  "type": "integer",
  "format": "int32"
},
"estadoProyecto": {
  "$ref": "#/components/schemas/EstadoActualProyectos"
},
"valorOriginal": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"valorFinal": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"codTipoOcupacionTrazabilidad": {
  "type": "integer",
  "format": "int32"
},
"tipoOcupacionTrazabilidad": {
  "$ref": "#/components/schemas/TipoOcupacionTrazabilidad"
},
"fecha": {
  "type": "string",
  "format": "date-time"
},
"codUsuario": {
```

```
      "type": "integer",
      "format": "int32"
    },
    "usuario": {
      "$ref": "#/components/schemas/Usuarios"
    },
    "obs": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Perfiles": {
  "enum": [
    {
      "codPerfiles": 1,
      "description": "Administrador"
    },
    {
      "codPerfiles": 2,
      "description": "Delegado"
    },
    {
      "codPerfiles": 3,
      "description": "Gestor"
    },
    {
      "codPerfiles": 4,
      "description": "Jurídico"
    },
```

```
    {
      "codPerfiles": 5,
      "description": "Financiero"
    },
    {
      "codPerfiles": 6,
      "description": "Gestor Documental"
    },
    {
      "codPerfiles": 7,
      "description": "Responsable de operación"
    },
    {
      "codPerfiles": 8,
      "description": "Gestor de operación"
    }
  ],
  "type": "integer",
  "format": "int32"
},
"PreguntaRequest": {
  "type": "object",
  "properties": {
    "pregunta": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"PropietarioContrato": {
```

```
"type": "object",
"properties": {
 "codPropietario": {
  "type": "integer",
  "format": "int32"
 },
 "nombre": {
  "type": "string",
  "nullable": true
 },
 "apellidos": {
  "type": "string",
  "nullable": true
 },
 "dni": {
  "type": "string",
  "nullable": true
 },
 "direccion": {
  "type": "string",
  "nullable": true
 },
 "provincia": {
  "type": "string",
  "nullable": true
 },
 "poblacion": {
  "type": "string",
  "nullable": true
 },
 "telefono": {
```

```
      "type": "string",
      "nullable": true
    },
    "eMail": {
      "type": "string",
      "nullable": true
    },
    "numProveedor": {
      "type": "string",
      "nullable": true
    },
    "cp": {
      "type": "string",
      "nullable": true
    },
    "porcentaje": {
      "type": "number",
      "format": "double"
    },
    "codTipoTitular": {
      "type": "integer",
      "format": "int32"
    }
  },
  "additionalProperties": false
},
"PropietarioDTO": {
  "type": "object",
  "properties": {
    "codPropietario": {
      "type": "integer",
```

```
  "format": "int32"
},
"nombre": {
  "type": "string",
  "nullable": true
},
"apellidos": {
  "type": "string",
  "nullable": true
},
"dni": {
  "type": "string",
  "nullable": true
},
"direccion": {
  "type": "string",
  "nullable": true
},
"codProvincia": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"poblacion": {
  "type": "string",
  "nullable": true
},
"cp": {
  "type": "string",
  "nullable": true
},
```

```
  "telefono1": {
    "type": "string",
    "nullable": true
  },
  "telefono2": {
    "type": "string",
    "nullable": true
  },
  "eMail": {
    "type": "string",
    "nullable": true
  },
  "ccb": {
    "type": "string",
    "nullable": true
  },
  "bic": {
    "type": "string",
    "nullable": true
  },
  "obs": {
    "type": "string",
    "nullable": true
  },
  "numProveedor": {
    "type": "string",
    "nullable": true
  }
 },
 "additionalProperties": false
},
```

```
"PropietarioDocumento": {
 "type": "object",
 "properties": {
  "codPropietario": {
   "type": "integer",
   "format": "int32"
  },
  "nombre": {
   "type": "string",
   "nullable": true
  },
  "apellidos": {
   "type": "string",
   "nullable": true
  },
  "dni": {
   "type": "string",
   "nullable": true
  }
 },
 "additionalProperties": false
},
"Propietarios": {
 "type": "object",
 "properties": {
  "codPropietario": {
   "type": "integer",
   "format": "int32"
  },
  "nombre": {
   "type": "string",
```

```
  "nullable": true
},
"apellidos": {
  "type": "string",
  "nullable": true
},
"dni": {
  "type": "string",
  "nullable": true
},
"telefono1": {
  "type": "string",
  "nullable": true
},
"telefono2": {
  "type": "string",
  "nullable": true
},
"eMail": {
  "type": "string",
  "nullable": true
},
"direccion": {
  "type": "string",
  "nullable": true
},
"cp": {
  "type": "string",
  "nullable": true
},
"numProveedor": {
```

```
  "type": "string",
  "nullable": true
},
"codProvincia": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"provincias": {
  "$ref": "#/components/schemas/Provincias"
},
"poblacion": {
  "type": "string",
  "nullable": true
},
"ccb": {
  "type": "string",
  "nullable": true
},
"bic": {
  "type": "string",
  "nullable": true
},
"obs": {
  "type": "string",
  "nullable": true
},
"altaSistema": {
  "type": "integer",
  "format": "int32"
},
```

```
    "alerta": {
      "type": "string",
      "nullable": true
    },
    "parcelas": {
      "type": "array",
      "items": {
        "$ref": "#/components/schemas/ParcelaPropietario"
      },
      "nullable": true
    },
    "codsParcela": {
      "type": "array",
      "items": {
        "type": "integer",
        "format": "int32"
      },
      "nullable": true
    },
    "exentoDocumentos": {
      "type": "boolean",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"PropietariosImport": {
  "type": "object",
  "properties": {
    "codParcela": {
      "type": "integer",
```

```
  "format": "int32"
},
"refCatastral": {
  "type": "string",
  "nullable": true
},
"codPropietario": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"nombre": {
  "type": "string",
  "nullable": true
},
"apellidos": {
  "type": "string",
  "nullable": true
},
"codTipoTitular": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"tipoTitular": {
  "type": "string",
  "nullable": true
},
"porcentaje": {
  "type": "string",
  "nullable": true
```

```
},
"direccion": {
  "type": "string",
  "nullable": true
},
"cp": {
  "type": "string",
  "nullable": true
},
"codProvincia": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"provincia": {
  "type": "string",
  "nullable": true
},
"poblacion": {
  "type": "string",
  "nullable": true
},
"dni": {
  "type": "string",
  "nullable": true
},
"eMail": {
  "type": "string",
  "nullable": true
},
"telefono1": {
```

```
      "type": "string",
      "nullable": true
    },
    "telefono2": {
      "type": "string",
      "nullable": true
    },
    "ccb": {
      "type": "string",
      "nullable": true
    },
    "bic": {
      "type": "string",
      "nullable": true
    },
    "obs": {
      "type": "string",
      "nullable": true
    }
   },
   "additionalProperties": false
  },
  "Proveedor": {
   "type": "object",
   "properties": {
    "codProveedor": {
      "type": "integer",
      "format": "int32"
    },
    "codTipoProveedor": {
      "type": "integer",
```

```
      "format": "int32"
    },
    "nombreProveedor": {
      "type": "string",
      "nullable": true
    },
    "direccion": {
      "type": "string",
      "nullable": true
    },
    "localidad": {
      "type": "string",
      "nullable": true
    },
    "telefono": {
      "type": "string",
      "nullable": true
    },
    "email": {
      "type": "string",
      "nullable": true
    },
    "contacto": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Proveedor_Pedido_Factura": {
  "type": "object",
```

```
"properties": {
 "codPedido": {
  "type": "integer",
  "format": "int32"
 },
 "codFactura": {
  "type": "integer",
  "format": "int32"
 },
 "importe": {
  "type": "number",
  "format": "double"
 },
 "documento": {
  "type": "string",
  "nullable": true
 },
 "documentoFactura": {
  "type": "string",
  "format": "binary",
  "nullable": true
 },
 "fechaFactura": {
  "type": "string",
  "format": "date-time"
 },
 "numFactura": {
  "type": "string",
  "nullable": true
 },
 "fechaSolicitudPago": {
```

```
      "type": "string",
      "format": "date-time",
      "nullable": true
    },
    "fechaPago": {
      "type": "string",
      "format": "date-time",
      "nullable": true
    },
    "justificantePago": {
      "type": "string",
      "nullable": true
    },
    "documentoJustificante": {
      "type": "string",
      "format": "binary",
      "nullable": true
    },
    "estado": {
      "type": "integer",
      "format": "int32"
    }
  },
  "additionalProperties": false
},
"Provincias": {
  "type": "object",
  "properties": {
    "codProvincia": {
      "type": "integer",
      "format": "int32"
```

```
    },
    "codComunidad": {
      "type": "integer",
      "format": "int32"
    },
    "comunidades": {
      "$ref": "#/components/schemas/Comunidades"
    },
    "provincia": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"ProyectoImport": {
  "type": "object",
  "properties": {
    "tecnologia": {
      "type": "string",
      "nullable": true
    },
    "codParcela": {
      "type": "integer",
      "format": "int32"
    },
    "numFincaSSE": {
      "type": "string",
      "nullable": true
    },
    "refCatastral": {
```

```
  "type": "string",
  "nullable": true
},
"poligono": {
  "type": "string",
  "nullable": true
},
"parcela": {
  "type": "string",
  "nullable": true
},
"naturaleza": {
  "type": "string",
  "nullable": true
},
"superficie": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"municipio": {
  "type": "string",
  "nullable": true
},
"codProvincia": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"provincia": {
  "type": "string",
```

```
  "nullable": true
},
"codTipoEntidad": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"tipoEntidad": {
  "type": "string",
  "nullable": true
},
"codTipoSubentidad": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"tipoSubentidad": {
  "type": "string",
  "nullable": true
},
"porcentajeOcupacion": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"codPropietario": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"propietario_nombre": {
```

```
  "type": "string",
  "nullable": true
},
"propietario_apellidos": {
  "type": "string",
  "nullable": true
},
"propietario_selector_catastral": {
  "type": "string",
  "nullable": true
},
"propietario_porcentaje": {
  "type": "string",
  "nullable": true
},
"propietario_direccion": {
  "type": "string",
  "nullable": true
},
"propietario_cp": {
  "type": "string",
  "nullable": true
},
"propietario_codprovincia": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"propietario_provincia": {
  "type": "string",
  "nullable": true
```

```
},
"propietario_poblacion": {
 "type": "string",
 "nullable": true
},
"propietario_dni": {
 "type": "string",
 "nullable": true
},
"propietario_email": {
 "type": "string",
 "nullable": true
},
"propietario_telefono": {
 "type": "string",
 "nullable": true
},
"propietario_ccb": {
 "type": "string",
 "nullable": true
},
"propietario_bic": {
 "type": "string",
 "nullable": true
},
"propietario_obs": {
 "type": "string",
 "nullable": true
},
"bess_superf_pd": {
 "type": "string",
```

```
  "nullable": true
},
"bess_edificios_pd": {
  "type": "string",
  "nullable": true
},
"bess_accesos_pd": {
  "type": "string",
  "nullable": true
},
"bess_edificios_ot": {
  "type": "string",
  "nullable": true
},
"bess_accesos_ot": {
  "type": "string",
  "nullable": true
},
"bess_zanja_ot": {
  "type": "string",
  "nullable": true
},
"bess_restrict_edif_sv": {
  "type": "string",
  "nullable": true
},
"bess_zanja_sp": {
  "type": "string",
  "nullable": true
},
"laat_apoyo_denom_general": {
```

```
  "type": "string",
  "nullable": true
},
"laat_apoyos_ud": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"laat_long_ml": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"laat_apoyos_pd": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"laat_vuelo_sv": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"laat_restrict_edif_sv": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"laat_accesos_ot": {
  "type": "number",
  "format": "double",
```

```
      "nullable": true
    },
    "laat_acopios_casetas_ot": {
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "laat_temporal_ot": {
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "laat_temporal_ob": {
      "type": "number",
      "format": "double",
      "nullable": true
    }
   },
   "additionalProperties": false
  },
  "ProyectoLite": {
   "type": "object",
   "properties": {
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "nombre": {
      "type": "string",
      "nullable": true
    },
```

```
    "validable": {
      "type": "string",
      "format": "date-time",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Proyecto_Elemento_Coste": {
  "type": "object",
  "properties": {
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "codElemento": {
      "type": "integer",
      "format": "int32"
    },
    "coste": {
      "type": "number",
      "format": "double"
    }
  },
  "additionalProperties": false
},
"Proyectos": {
  "type": "object",
  "properties": {
    "codProyecto": {
      "type": "integer",
```

```
  "format": "int32"
},
"nombre": {
  "type": "string",
  "nullable": true
},
"codTipoProyecto": {
  "type": "integer",
  "format": "int32"
},
"tipoProyecto": {
  "$ref": "#/components/schemas/TipoProyecto"
},
"codSociedad": {
  "type": "integer",
  "format": "int32",
  "nullable": true
},
"sociedad": {
  "type": "string",
  "nullable": true
},
"codComunidad": {
  "type": "integer",
  "format": "int32"
},
"comunidad": {
  "$ref": "#/components/schemas/Comunidades"
},
"potencia": {
  "type": "number",
```

```
  "format": "double"
},
"potenciaHora": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"delegados": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Usuarios"
  },
  "nullable": true
},
"gestores": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Usuarios"
  },
  "nullable": true
},
"juridicos": {
  "type": "array",
  "items": {
    "$ref": "#/components/schemas/Usuarios"
  },
  "nullable": true
},
"codEstadoActual": {
  "type": "integer",
  "format": "int32"
```

```
},
"estadoActual": {
 "$ref": "#/components/schemas/EstadoActualProyectos"
},
"validable": {
 "type": "string",
 "format": "date-time",
 "nullable": true
},
"gis": {
 "type": "string",
 "nullable": true
},
"fecha_DIA": {
 "type": "string",
 "format": "date-time",
 "nullable": true
},
"fecha_AAP": {
 "type": "string",
 "format": "date-time",
 "nullable": true
},
"fecha_AAC": {
 "type": "string",
 "format": "date-time",
 "nullable": true
},
"fecha_RTB": {
 "type": "string",
 "format": "date-time",
```

```
      "nullable": true
    },
    "fecha_AAE": {
      "type": "string",
      "format": "date-time",
      "nullable": true
    },
    "latitud": {
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "longitud": {
      "type": "number",
      "format": "double",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Proyectos_Ocupaciones_Costes": {
  "type": "object",
  "properties": {
    "codProyectosOcupacionCostes": {
      "type": "integer",
      "format": "int32"
    },
    "codProyecto": {
      "type": "integer",
      "format": "int32"
    },
```

```
"pleno_Dominio": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"servidumbre_Vuelo": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"servidumbre_Paso": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"servidumbre": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"ocupacion_Temporal": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"plantas_Fotovoltaicas": {
  "type": "number",
  "format": "double",
  "nullable": true
},
"planta_Almacenamiento": {
```

```
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "extra": {
      "type": "number",
      "format": "double",
      "nullable": true
    },
    "codUsuario": {
      "type": "integer",
      "format": "int32",
      "nullable": true
    },
    "fecha": {
      "type": "string",
      "format": "date-time"
    },
    "obs": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"TipoEntidad": {
  "enum": [
    {
      "codTipoEntidad": 1,
      "description": "Ayuntamiento"
    },
```

```
 {
  "codTipoEntidad": 2,
  "description": "Diputación"
 },
 {
  "codTipoEntidad": 3,
  "description": "Ministerio"
 },
 {
  "codTipoEntidad": 4,
  "description": "Privados"
 },
 {
  "codTipoEntidad": 5,
  "description": "Autonomía"
 },
 {
  "codTipoEntidad": 6,
  "description": "Comunidad de propietarios"
 },
 {
  "codTipoEntidad": 7,
  "description": "Promotor"
 },
 {
  "codTipoEntidad": 8,
  "description": "Junta vecinal"
 }
],
"type": "integer",
"format": "int32"
```

```
},
"TipoOcupacionTrazabilidad": {
 "enum": [
  {
   "codTipoOcupacionTrazabilidad": 1,
   "description": "Insertar"
  },
  {
   "codTipoOcupacionTrazabilidad": 2,
   "description": "Modificar"
  },
  {
   "codTipoOcupacionTrazabilidad": 3,
   "description": "Eliminar"
  }
 ],
 "type": "integer",
 "format": "int32"
},
"TipoProyecto": {
 "enum": [
  {
   "codTipoProyecto": 1,
   "description": "Parque Eólico"
  },
  {
   "codTipoProyecto": 2,
   "description": "Instalación Fotovoltaica"
  },
  {
   "codTipoProyecto": 3,
```

```
  "description": "Viales de acceso"
},
{
  "codTipoProyecto": 4,
  "description": "Bombeos o reversibles"
},
{
  "codTipoProyecto": 5,
  "description": "Línea aérea de alta tensión"
},
{
  "codTipoProyecto": 6,
  "description": "Línea soterrada de alta tensión"
},
{
  "codTipoProyecto": 7,
  "description": "Almacenamiento de Baterías"
},
{
  "codTipoProyecto": 8,
  "description": "Subestación colectora"
},
{
  "codTipoProyecto": 9,
  "description": "Línea aérea de media tensión"
},
{
  "codTipoProyecto": 10,
  "description": "Línea soterrada de media tensión"
},
{
```

```
    "codTipoProyecto": 11,
    "description": "Planta de hidrógeno"
   }
  ],
  "type": "integer",
  "format": "int32"
 },
 "TipoSubentidad": {
  "enum": [
   {
    "codTipoSubentidad": 1,
    "description": "Secano"
   },
   {
    "codTipoSubentidad": 2,
    "description": "Regadío"
   },
   {
    "codTipoSubentidad": 3,
    "description": "Bosque mixto"
   },
   {
    "codTipoSubentidad": 4,
    "description": "Coníferas"
   },
   {
    "codTipoSubentidad": 5,
    "description": "Frondosas"
   },
   {
    "codTipoSubentidad": 6,
```

```
  "description": "Roquedo,improductivos o monte bajo"
},
{
  "codTipoSubentidad": 7,
  "description": "Zonas quemadas"
},
{
  "codTipoSubentidad": 8,
  "description": "Prados, praderas y pastizales"
},
{
  "codTipoSubentidad": 9,
  "description": "Redes viarias, ferroviarias"
},
{
  "codTipoSubentidad": 10,
  "description": "Tejido urbano"
},
{
  "codTipoSubentidad": 11,
  "description": "Frutales"
},
{
  "codTipoSubentidad": 12,
  "description": "Olivares"
},
{
  "codTipoSubentidad": 13,
  "description": "Viñedos"
},
{
```

```
  "codTipoSubentidad": 14,
  "description": "Arrozales"
},
{
  "codTipoSubentidad": 15,
  "description": "Zonas industriales o comerciales"
},
{
  "codTipoSubentidad": 16,
  "description": "Zonas portuarias o aeropuertos"
},
{
  "codTipoSubentidad": 17,
  "description": "Escombreras o xonas construcción"
},
{
  "codTipoSubentidad": 18,
  "description": "Zonas de extracción minera"
},
{
  "codTipoSubentidad": 19,
  "description": "Rios, cursos de agua"
},
{
  "codTipoSubentidad": 20,
  "description": "Turberas, humedales, marismas o pantanos"
},
{
  "codTipoSubentidad": 21,
  "description": "Mares y océanos"
},
```

```
    {
      "codTipoSubentidad": 22,
      "description": "Otros"
    }
  ],
  "type": "integer",
  "format": "int32"
},
"Tipo_Coste": {
  "type": "object",
  "properties": {
    "codTipoCoste": {
      "type": "integer",
      "format": "int32"
    },
    "descripcion": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Tipo_Proyecto": {
  "type": "object",
  "properties": {
    "codTipoProyecto": {
      "type": "integer",
      "format": "int32"
    },
    "codigo": {
      "type": "string",
```

```
      "nullable": true
    },
    "nombre": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"Tipo_Suelo": {
  "type": "object",
  "properties": {
    "codTipoSuelo": {
      "type": "integer",
      "format": "int32"
    },
    "codigo": {
      "type": "string",
      "nullable": true
    },
    "descripcion": {
      "type": "string",
      "nullable": true
    },
    "tipo_Coste": {
      "$ref": "#/components/schemas/Tipo_Coste"
    }
  },
  "additionalProperties": false
},
"UpdatePasswordRequest": {
```

```
  "type": "object",
  "properties": {
   "password": {
    "type": "string",
    "nullable": true
   },
   "token": {
    "type": "string",
    "nullable": true
   }
  },
  "additionalProperties": false
 },
 "Usuarios": {
  "type": "object",
  "properties": {
   "codUsuario": {
    "type": "integer",
    "format": "int32"
   },
   "nombre": {
    "type": "string",
    "nullable": true
   },
   "apellidos": {
    "type": "string",
    "nullable": true
   },
   "codPerfil": {
    "type": "integer",
    "format": "int32"
```

```
},
"modoPerfil": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"perfil": {
 "$ref": "#/components/schemas/Perfiles"
},
"codComunidad": {
 "type": "integer",
 "format": "int32",
 "nullable": true
},
"empresa": {
 "type": "string",
 "nullable": true
},
"eMail": {
 "type": "string",
 "nullable": true
},
"telefono": {
 "type": "string",
 "nullable": true
},
"password": {
 "type": "string",
 "nullable": true
},
"habilitado": {
```

```
      "type": "boolean"
    },
    "lang": {
      "type": "integer",
      "format": "int32"
    }
  },
  "additionalProperties": false
},
"Validacion": {
  "type": "object",
  "properties": {
    "codValidacion": {
      "type": "integer",
      "format": "int32"
    },
    "valor": {
      "type": "integer",
      "format": "int32"
    },
    "valorTexto": {
      "type": "string",
      "nullable": true
    },
    "observaciones": {
      "type": "string",
      "nullable": true
    },
    "fecha": {
      "type": "string",
      "format": "date-time"
```

```
    },
    "codValidador": {
      "type": "integer",
      "format": "int32"
    },
    "validador": {
      "type": "string",
      "nullable": true
    }
  },
  "additionalProperties": false
},
"ValidacionDTO": {
  "type": "object",
  "properties": {
    "codTipoEntidad": {
      "type": "integer",
      "format": "int32"
    },
    "codDocumento": {
      "type": "integer",
      "format": "int32"
    },
    "codEntidades": {
      "type": "array",
      "items": {
        "type": "integer",
        "format": "int32"
      },
      "nullable": true
    },
```

```
        "currentValidation": {
          "$ref": "#/components/schemas/Validacion"
        },
        "validaciones": {
          "type": "array",
          "items": {
            "$ref": "#/components/schemas/Validacion"
          },
          "nullable": true
        }
      },
      "additionalProperties": false
    }
  },
  "securitySchemes": {
    "Bearer": {
      "type": "http",
      "description": "Please enter a valid token",
      "scheme": "Bearer",
      "bearerFormat": "JWT"
    }
  }
 },
 "security": [
  {
    "Bearer": [ ]
  }
 ]
}
```

Security and Compliance Documentation

1. Overview

This document outlines the **security measures and compliance considerations** implemented in the SaaS platform. The goal is to ensure **confidentiality, integrity, and availability** of data while complying with industry-standard regulations and best practices.

System Stack:

- Backend: **.NET 8 REST API**
- Authentication: **JSON Web Tokens (JWT)**
- Database: **SQL Server 2022**
- Frontend: Web Application (Browser-based)

---

2. Authentication and Access Control

- User authentication is handled via **secure login forms** on the frontend.
- Passwords are stored in **hashed/encrypted form** in the SQL Server database.
- Upon successful authentication, the backend issues a **JWT token** for session management.
- All API requests must include a valid JWT token; **unauthorized requests are rejected**.
- Role-based access control (RBAC) is enforced to restrict access to sensitive functionality.
- The API is **not exposed publicly** and can only be accessed from the frontend application.

---

3. Data Security

- All communication between frontend and backend is secured via **HTTPS/TLS**.
- **Passwords and sensitive information** (personal data) are encrypted or hashed at rest.
- Database backups are daily performed and stored securely.
- Access to the database is limited to authorized personnel and services only.
- Audit logs record critical actions such as user authentication, failed login attempts, and administrative changes.

---

4. Infrastructure Security

- The backend and database are deployed in a **secure cloud environment** (at Hetzner Online GmbH data centers).
- Network segmentation and firewalls prevent unauthorized access.
- Monitoring and alerting systems track application errors, suspicious activity, and system health.

---

5. Compliance

- The system is designed to comply with **data protection regulations** ISO 27001.
- User data retention policies are enforced, and personal data can be deleted upon request.
- Only the minimum necessary personal data is stored.
- Regular security assessments are conducted to ensure compliance and system integrity.

---

6. Incident Response

- Security incidents are detected and logged by monitoring tools.
- A predefined **incident response plan** exists to address breaches or vulnerabilities, including:
    - Containment
    - Investigation
    - Notification to affected parties
    - Remediation and prevention

---

7. Summary

The platform implements **industry-standard security practices**, including:

- JWT authentication with secure password storage
- HTTPS communication
- API access restricted to frontend
- Role-based access control
- Secure cloud infrastructure
- Data encryption at rest and in transit
- Compliance with ISO 27001

- These measures ensure that **user data is protected** and that the system maintains high integrity, confidentiality, and availability.

Operational and Support Documentation

1. Overview

This document describes the **operational procedures and support processes** for the SaaS platform. It ensures that system uptime, reliability, and performance are maintained, and that support requests are handled efficiently.

System Stack:

- Backend: **.NET 8 REST API**
- Authentication: **JWT tokens**
- Database: **SQL Server 2022**
- Frontend: Web Application (Browser-based)
- Cloud Provider: Hetzner Online GmbH

---

2. Deployment and Environments

- **Environments:**
    - Development
    - Staging / QA
    - Production
- **Deployment Process:**
    - Code is deployed via **CI/CD pipeline** (Gitlab).
    - Pull requests are reviewed and tested before merging.
    - Deployment to staging for validation, then promoted to production after approvals.

---

3. Monitoring and Logging

- **Application Monitoring:**
    - System metrics, performance, and availability are monitored using tolos **Zabbix**.
    - Alerts configured for errors, high latency, and downtime.
- **Logging:**

- All API requests and critical actions are logged.
- Logs are retained according to company retention policy.
- Logs are stored securely and reviewed for anomalies or suspicious activity.

---

4. Backup and Recovery

- **Database Backups:**
  - Daily automated backups of SQL Server database.
  - Backups stored securely in a separate storage location.
  - 30 days retention period follows compliance requirements
- **Recovery Procedures:**
  - Procedures documented to restore database from backup in case of failure.
  - Recovery time objective (RTO) and recovery point objective (RPO) defined.

---

5. Support and Incident Management

- **Support Channels:**
  - Email, ticketing system, or dedicated support portal.
  - Priority levels defined (Critical, High, Medium, Low).
- **Incident Handling:**

1. Ticket logged and assigned to support engineer.
2. Investigation and troubleshooting performed.
3. Resolution or workaround provided.
4. Ticket closed and documented.

- **SLA (Service Level Agreement):**
  - Critical incidents: response within 1 hour
  - High: response within 4 hours
  - Medium: response within 1 business day
  - Low: response within 3 business days

---

6. Summary

The platform is designed for **high availability, security, and reliability**. Operational and support processes include:

- Secure deployment and configuration management
- Monitoring and alerting for system health
- Regular backups and disaster recovery plans
- Structured support workflow with SLA
- Scheduled maintenance and vulnerability management

These procedures ensure that the SaaS platform operates reliably and that user issues are addressed efficiently.

Test Strategy

1. Overview

This document describes the **testing strategy for the SaaS platform** to ensure quality, reliability, security, and performance. It includes the integration of **Anthropic Code Review** to improve test coverage, quality, and maintainability.

System Stack:

- Backend: **.NET 8 REST API**
- Authentication: **JWT tokens**
- Database: **SQL Server 2022**
- Frontend: Web Application (Browser-based)

---

2. Objectives

- Ensure all functional requirements are implemented correctly.
- Validate non-functional requirements (performance, security, scalability).
- Maintain high-quality and maintainable test code.
- Identify and prevent defects before production deployment.

---

3. Testing Approach

3.1 Unit Testing

- **Purpose:** Verify individual functions and classes in isolation.
- **Scope:** Backend services (.NET 8), utility functions, data access layers.
- **Tools:** NUnit
- **Code Review:** All unit tests undergo **Anthropic Code Review** to check coverage, correctness, clarity, and adherence to best practices.

3.2 API Testing

- **Purpose:** Ensure API endpoints are reliable, secure, and correct.
- **Scope:** All REST API endpoints accessed by the frontend.
- **Tools:** Swagger tests
- **Code Review:** Anthropic verifies API tests for completeness, correct assertions, and error handling.

3.3 Security Testing

- **Purpose:** Identify vulnerabilities and ensure compliance.
- **Scope:** Authentication, authorization, data encryption, token validation.
- **Tools:** OWASP ZAP
- **Code Review:** Security test scripts are reviewed to confirm proper coverage of critical security flows.

3.4 Performance and Load Testing

- **Purpose:** Validate performance and scalability requirements.
- **Scope:** API response times, concurrency, database load.
- **Tools:** JMeter
- **Code Review:** Test scenarios and scripts reviewed to ensure realistic loads and meaningful performance metrics.