17 DE NOVIEMBRE DE 2022

MODELADO DE LA BASE DE DATOS
FERIA AMERICANA ZAG

OJEDA MARIANGELES - RAMIREZ AGUSTIIN
TALLER DE PROGRAMACION II
2022

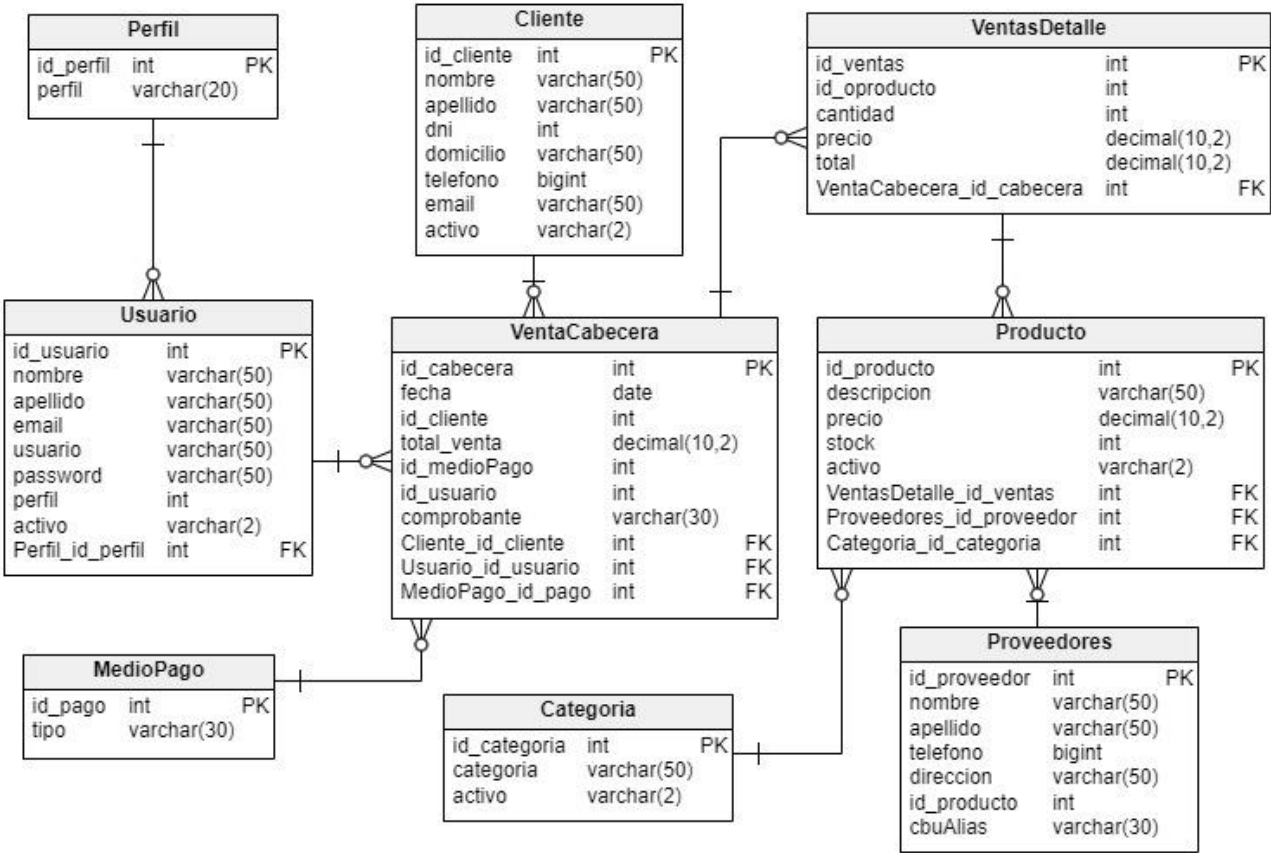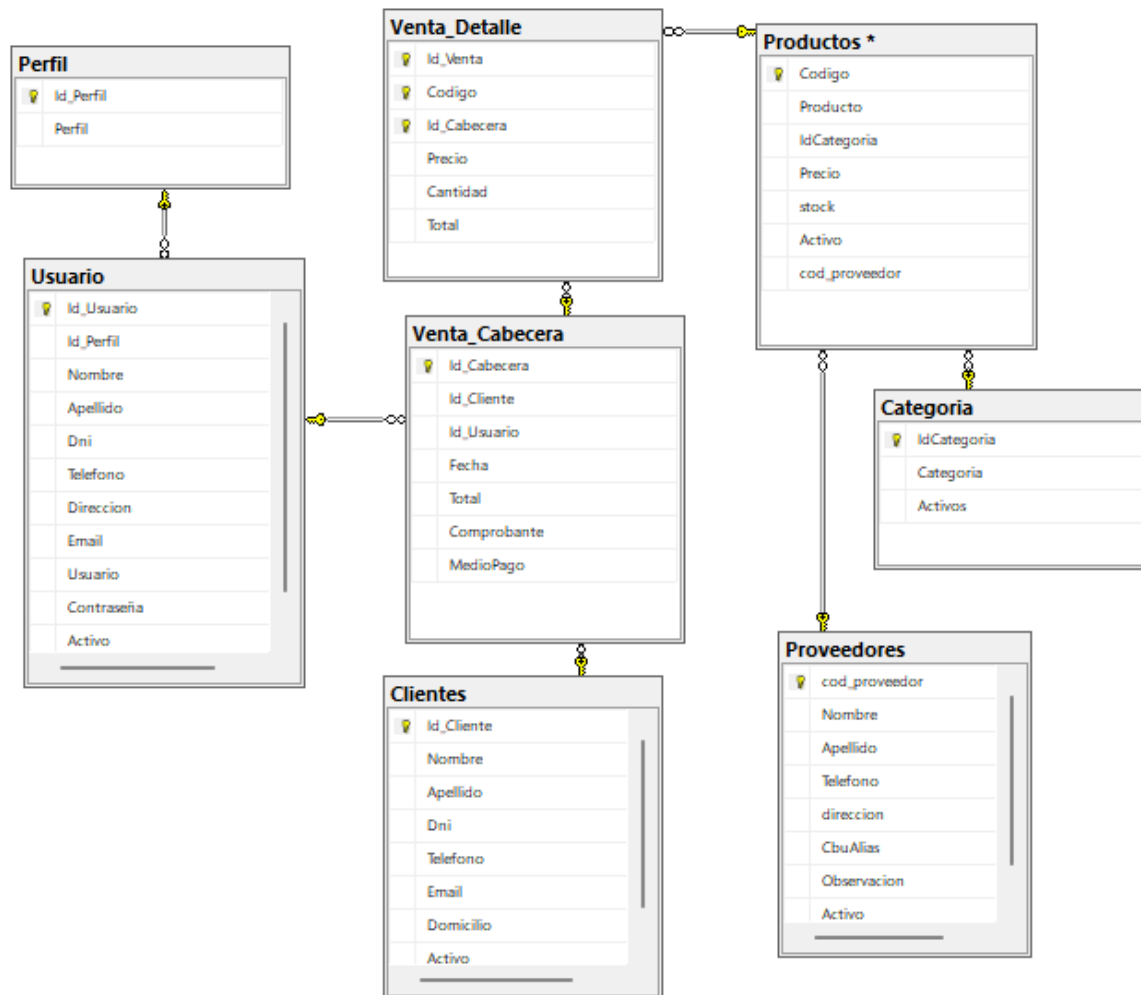# Diagrama de Entidad Relación:

Diagrama hecho en vertabelo

Diagrama de Entidad Relación:

Diagrama de la base de datos de SQL Server

Venta_Detalle

🔑	Id_Venta
🔑	Codigo
🔑	Id_Cabecera
	Precio
	Cantidad
	Total

Productos *

🔑	Codigo
	Producto
	IdCategoria
	Precio
	stock
	Activo
	cod_proveedor

Perfil

🔑	Id_Perfil
	Perfil

Usuario

🔑	Id_Usuario
	Id_Perfil
	Nombre
	Apellido
	Dni
	Telefono
	Direccion
	Email
	Usuario
	Contraseña
	Activo

Venta_Cabecera

🔑	Id_Cabecera
	Id_Cliente
	Id_Usuario
	Fecha
	Total
	Comprobante
	MedioPago

Categoria

🔑	IdCategoria
	Categoria
	Activos

Clientes

🔑	Id_Cliente
	Nombre
	Apellido
	Dni
	Telefono
	Email
	Domicilio
	Activo

Proveedores

🔑	cod_proveedor
	Nombre
	Apellido
	Telefono
	direccion
	CbuAlias
	Observacion
	Activo

Modelado de la base:

Tabla perfil

```
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Perfil]    Script Date: 16/11/2022 11:48:51 ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Perfil](
      [Id_Perfil] [int] NOT NULL,
      [Perfil] [varchar](15) NULL,
 CONSTRAINT [PK_Perfil] PRIMARY KEY CLUSTERED
(
      [Id_Perfil] 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
```

Tabla usuario

```
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Usuario]    Script Date: 16/11/2022 11:50:32 ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Usuario](
      [Id_Usuario] [int] IDENTITY(1,1) NOT NULL,
      [Id_Perfil] [int] NULL,
      [Nombre] [varchar](50) NULL,
      [Apellido] [varchar](50) NULL,
      [Dni] [int] NULL,
      [Telefono] [varchar](50) NULL,
```

```sql
        [Direccion] [varchar](50) NULL,
        [Email] [varchar](50) NULL,
        [Usuario] [varchar](50) NULL,
        [Contraseña] [varchar](50) NULL,
        [Activo] [varchar](3) NULL,
PRIMARY KEY CLUSTERED
(
        [Id_Usuario] 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].[Usuario]  WITH CHECK ADD  CONSTRAINT [FK_Usuario_Perfil] FOREIGN
KEY([Id_Perfil])
REFERENCES [dbo].[Perfil] ([Id_Perfil])
GO

ALTER TABLE [dbo].[Usuario] CHECK CONSTRAINT [FK_Usuario_Perfil]
GO
```

Tabla cliente

```sql
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Clientes]    Script Date: 16/11/2022 11:51:33 ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Clientes](
        [Id_Cliente] [varchar](5) NOT NULL,
        [Nombre] [varchar](50) NULL,
        [Apellido] [varchar](50) NULL,
        [Dni] [int] NULL,
        [Telefono] [bigint] NULL,
        [Email] [varchar](50) NULL,
        [Domicilio] [varchar](50) NULL,
        [Activo] [varchar](3) NULL,
PRIMARY KEY CLUSTERED
(
        [Id_Cliente] 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
```

<h2 style="text-align:center">Tabla proveedores</h2>

```
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Proveedores]    Script Date: 16/11/2022 11:52:31
******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Proveedores](
      [cod_proveedor] [varchar](6) NOT NULL,
      [Nombre] [varchar](50) NULL,
      [Apellido] [varchar](50) NULL,
      [Telefono] [bigint] NULL,
      [direccion] [varchar](50) NULL,
      [CbuAlias] [varchar](50) NULL,
      [Observacion] [varchar](50) NULL,
      [Activo] [varchar](2) NULL,
PRIMARY KEY CLUSTERED
(
      [cod_proveedor] 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
```

<h2 style="text-align:center">Tabla categoría</h2>

```
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Categoria]    Script Date: 16/11/2022 11:53:03 ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Categoria](
```

```
        [IdCategoria] [varchar](5) NOT NULL,
        [Categoria] [varchar](50) NULL,
        [Activos] [varchar](3) NULL,
PRIMARY KEY CLUSTERED
(
        [IdCategoria] 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
```

Tabla productos

```
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Productos]    Script Date: 16/11/2022 11:53:35 ******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Productos](
        [Codigo] [varchar](5) NOT NULL,
        [Producto] [varchar](50) NULL,
        [IdCategoria] [varchar](5) NULL,
        [Precio] [decimal](16, 2) NULL,
        [stock] [int] NULL,
        [Activo] [varchar](3) NULL,
        [cod_proveedor] [varchar](6) NULL,
PRIMARY KEY CLUSTERED
(
        [Codigo] 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].[Productos]  WITH CHECK ADD  CONSTRAINT [FK_Productos_Categoria]
FOREIGN KEY([IdCategoria])
REFERENCES [dbo].[Categoria] ([IdCategoria])
GO

ALTER TABLE [dbo].[Productos] CHECK CONSTRAINT [FK_Productos_Categoria]
GO
```

```sql
ALTER TABLE [dbo].[Productos]  WITH CHECK ADD  CONSTRAINT [FK_productos_proveedor]
FOREIGN KEY([cod_proveedor])
REFERENCES [dbo].[Proveedores] ([cod_proveedor])
GO

ALTER TABLE [dbo].[Productos] CHECK CONSTRAINT [FK_productos_proveedor]
GO
```

Tabla venta cabecera

```sql
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Venta_Cabecera]    Script Date: 16/11/2022 11:54:13
******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Venta_Cabecera](
    [Id_Cabecera] [int] NOT NULL,
    [Id_Cliente] [varchar](5) NULL,
    [Id_Usuario] [int] NULL,
    [Fecha] [datetime] NULL,
    [Total] [decimal](16, 2) NULL,
    [Comprobante] [varchar](50) NULL,
    [MedioPago] [varchar](50) NULL,
PRIMARY KEY CLUSTERED
(
    [Id_Cabecera] 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].[Venta_Cabecera]  WITH CHECK ADD  CONSTRAINT
[FK_Venta_Cabecera_Clientes] FOREIGN KEY([Id_Cliente])
REFERENCES [dbo].[Clientes] ([Id_Cliente])
GO

ALTER TABLE [dbo].[Venta_Cabecera] CHECK CONSTRAINT [FK_Venta_Cabecera_Clientes]
GO

ALTER TABLE [dbo].[Venta_Cabecera]  WITH CHECK ADD  CONSTRAINT
[FK_Venta_Cabecera_Usuario] FOREIGN KEY([Id_Usuario])
REFERENCES [dbo].[Usuario] ([Id_Usuario])
```

```
GO

ALTER TABLE [dbo].[Venta_Cabecera] CHECK CONSTRAINT [FK_Venta_Cabecera_Usuario]
GO
```

Tabla venta detalle

```
USE [FeriaZag]
GO

/****** Object:  Table [dbo].[Venta_Detalle]    Script Date: 16/11/2022 11:54:59
******/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Venta_Detalle](
	[Id_Venta] [int] IDENTITY(1,1) NOT NULL,
	[Codigo] [varchar](5) NOT NULL,
	[Id_Cabecera] [int] NOT NULL,
	[Precio] [decimal](16, 2) NULL,
	[Cantidad] [int] NULL,
	[Total] [decimal](16, 2) NULL,
PRIMARY KEY CLUSTERED
(
	[Id_Venta] ASC,
	[Codigo] ASC,
	[Id_Cabecera] 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].[Venta_Detalle]  WITH CHECK ADD  CONSTRAINT [FK_Producto] FOREIGN
KEY([Codigo])
REFERENCES [dbo].[Productos] ([Codigo])
GO

ALTER TABLE [dbo].[Venta_Detalle] CHECK CONSTRAINT [FK_Producto]
GO

ALTER TABLE [dbo].[Venta_Detalle]  WITH CHECK ADD  CONSTRAINT
[FK_Venta_Detalle_Venta_Cabecera] FOREIGN KEY([Id_Cabecera])
REFERENCES [dbo].[Venta_Cabecera] ([Id_Cabecera])
GO
```

```
ALTER TABLE [dbo].[Venta_Detalle] CHECK CONSTRAINT [FK_Venta_Detalle_Venta_Cabecera]
GO
```