Diagram Report

SQLServer2012

Version 1.0 • Proposed

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1.1 SQLServer2012 diagram

Data Modeling diagram in package 'SQLServer2012'

Historial Medico

«column»
*PK ID_Historial Medico: int
* Enfermedades Sufridas: varchar(50)
* Alergias: varchar(50)
* Problemas con el corazon: varchar(50)
* Padece de azucar: varchar(50)
FK ID_Cliente: int

«FK»
+ FK_Historial Medico_Cliente(int)
«index»
+ IXFK_Historial Medico_Cliente(int)
«PK»
+ PK_Historial Medico(int)

Informacion Cliente

«column»
*PK ID_Informacion Cliente: int
Nivel de energia: varchar(50)
Actividad Fisica: varchar(50)
Nutricion Inicial: varchar(50)
Cantidad de Comidas al dia: int
Objetivo con su Cuerpo: varchar(50)
Descanso por la Noche: varchar(50)
FK ID_Cliente: int

«FK»
+ FK_Informacion Cliente_Cliente(int)
«index»
+ IXFK_Informacion Cliente_Cliente(int)
«PK»
+ PK_Informacion Cliente(int)

Citacontrol

«column»
*PK ID_Cita: int
* Fecha: date
Estado: varchar(50) = 'Pendiente'
FK ID_Historial: int

«FK»
+ FK_Cita control_Historial Cita(int)
«index»
+ IXFK_Cita control_Historial Cita(int)
«PK»
+ PK_Citacontrol(int)

+FK_Historial Medico_Cliente
+PK_Cliente

+PK_Cliente

+FK_Informacion Cliente_Cliente

+FK_Cita control_Historial Cita

+PK_Historial
Cita

Cliente

«column»
*PK ID_Cliente: int
* Telefono: varchar(50)
* Nombre: varchar(50)
* Apellidos: varchar(50)
Direccion: varchar(50) = 'No se indico l...
Ciudad de residencia: varchar(50) = 'No se indico l...
* Sexo: varchar(50)
* Edad: int
* Estatura: int
FK ID_Formulario: int

«FK»
+ FK_Cliente_Formulario(int)
«index»
+ IXFK_Cliente_Formulario(int)
«PK»
+ PK_Cliente(int)

Historial Cita

«column»
*PK ID_Historial: int
Resultado: varchar(50)
FK ID_Formulario: int

«FK»
+ FK_Historial Cita_Formulario(int)
«index»
+ IXFK_Historial Cita_Formulario(int)
«PK»
+ PK_Historial Cita(int)

+FK_Cliente_Formulario   +FK_Historial Cita_Formulario

+PK_Formulario   +PK_Formulario

Formulario

«column»
*PK ID_Formulario: int
* Fecha Inicio: date

«PK»
+ PK_Formulario(int)

+PK_Formulario

Horario Empleado

«column»
*PK ID_Horario Empleado: int
* Hora Inicio: time(7)
* Hora Fin: time(7)
FK ID_Empleado: int

«FK»
+ FK_Horario Empleado_Empleado(int)
«index»
+ IXFK_Horario Empleado_Empleado(int)
«PK»
+ PK_Horario Empleado(int)

Evaluacion Electronica

«column»
*PK ID_Evaluacion Electronica: int
Fecha: date
Peso: int
* IMC: int
* Porcentaje Grasa: int
* Porcentaje Masa Muscular: int
* Metabolismo Basal: int
* Nivel Grasa Visceral: int
* Edad Biologica: int
FK ID_Formulario: int

«FK»
+ FK_Evaluacion Electronica_Formulario(int)
«index»
+ IXFK_Evaluacion Electronica_Formulario(int)
«PK»
+ PK_Evaluacion Electronica(int)

+FK_Evaluacion Electronica_Formulario

+FK_Usuario_Evaluacion Electronica

+PK_Evaluacion Electronica

+FK_Horario Empleado_Empleado

+PK_Empleado

P
P

Usuario

«column»
*PK ID_Usuario: int
* Password: varchar(50)
FK ID_Evaluacion Electronica: int

«FK»
+ FK_Usuario_Evaluacion Electr +FK_Empleado_Usuario
«index»
+ IXFK_Usuario_Evaluacion Electronica(int)
«PK»
+ PK_Usuario(int)

+PK_Usuario

Empleado

«column»
*PK ID_Empleado: int
* Nombre: varchar(50)
* Apellido: varchar(50)
* Direccion: varchar(50)
FK ID_Usuario: int

«FK»
+ FK_Empleado_Usuario(int)
«index»
+ IXFK_Empleado_Usuario(int)
«PK»
+ PK_Empleado(int)

Figure 1: SQLServer2012

```
/* -------------------------------------------------- */

/*  Generated by Enterprise Architect Version 13.5                */

/*  Created On : 14-Sep-2024 2:04:37 PM                            */

/*  DBMS     : SQL Server 2012                                     */

/* -------------------------------------------------- */


/* Drop Foreign Key Constraints */


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Cita control_Historial Cita]') AND
OBJECTPROPERTY(id, N'IsForeignKey') = 1)

ALTER TABLE [Cita control] DROP CONSTRAINT [FK_Cita control_Historial Cita]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Cliente_Formulario]') AND
OBJECTPROPERTY(id, N'IsForeignKey') = 1)

ALTER TABLE [Cliente] DROP CONSTRAINT [FK_Cliente_Formulario]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Empleado_Usuario]') AND
OBJECTPROPERTY(id, N'IsForeignKey') = 1)

ALTER TABLE [Empleado] DROP CONSTRAINT [FK_Empleado_Usuario]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Evaluacion
Electronica_Formulario]') AND OBJECTPROPERTY(id, N'IsForeignKey') = 1)

ALTER TABLE [Evaluacion Electronica] DROP CONSTRAINT [FK_Evaluacion Electronica_Formulario]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Historial Cita_Formulario]') AND
OBJECTPROPERTY(id, N'IsForeignKey') = 1)
```
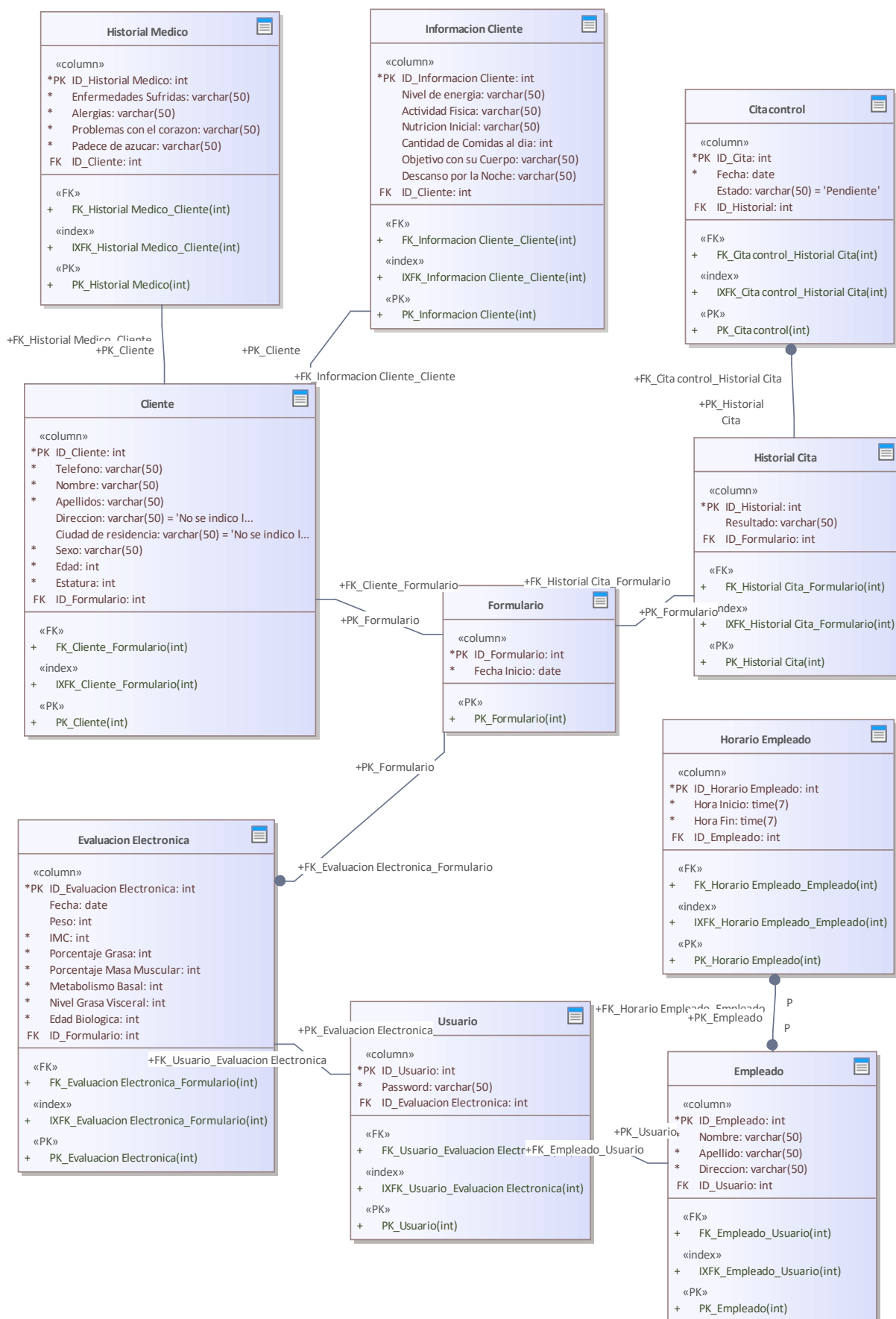
```sql
ALTER TABLE [Historial Cita] DROP CONSTRAINT [FK_Historial Cita_Formulario]
GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Historial Medico_Cliente]') AND
OBJECTPROPERTY(id, N'IsForeignKey') = 1)
ALTER TABLE [Historial Medico] DROP CONSTRAINT [FK_Historial Medico_Cliente]
GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Horario Empleado_Empleado]')
AND OBJECTPROPERTY(id, N'IsForeignKey') = 1)
ALTER TABLE [Horario Empleado] DROP CONSTRAINT [FK_Horario Empleado_Empleado]
GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Informacion Cliente_Cliente]')
AND OBJECTPROPERTY(id, N'IsForeignKey') = 1)
ALTER TABLE [Informacion Cliente] DROP CONSTRAINT [FK_Informacion Cliente_Cliente]
GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[FK_Usuario_Evaluacion Electronica]')
AND OBJECTPROPERTY(id, N'IsForeignKey') = 1)
ALTER TABLE [Usuario] DROP CONSTRAINT [FK_Usuario_Evaluacion Electronica]
GO


/* Drop Tables */


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Cita control]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)
DROP TABLE [Cita control]
GO
```

```
IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Cliente]') AND OBJECTPROPERTY(id,
N'IsUserTable') = 1)

DROP TABLE [Cliente]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Empleado]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Empleado]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Evaluacion Electronica]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Evaluacion Electronica]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Formulario]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Formulario]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Historial Cita]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Historial Cita]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Historial Medico]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Historial Medico]

GO
```

```sql
IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Horario Empleado]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Horario Empleado]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Informacion Cliente]') AND
OBJECTPROPERTY(id, N'IsUserTable') = 1)

DROP TABLE [Informacion Cliente]

GO


IF EXISTS (SELECT 1 FROM dbo.sysobjects WHERE id = object_id(N'[Usuario]') AND OBJECTPROPERTY(id,
N'IsUserTable') = 1)

DROP TABLE [Usuario]

GO


/* Create Tables */


CREATE TABLE [Cita control]

(

        [ID_Cita] int NOT NULL,

        [Fecha] date NOT NULL,

        [Estado] varchar(50) NULL DEFAULT 'Pendiente',

        [ID_Historial] int NULL

)

GO


CREATE TABLE [Cliente]

(

        [ID_Cliente] int NOT NULL,

        [Telefono] varchar(50) NOT NULL,
```

```sql
        [Nombre] varchar(50) NOT NULL,

        [Apellidos] varchar(50) NOT NULL,

        [Direccion] varchar(50) NULL DEFAULT 'No se indico la direccion',

        [Ciudad de residencia] varchar(50) NULL DEFAULT 'No se indico la ciudad de referencia',

        [Sexo] varchar(50) NOT NULL,

        [Edad] int NOT NULL,

        [Estatura] int NOT NULL,

        [ID_Formulario] int NULL
)
GO


CREATE TABLE [Empleado]
(
        [ID_Empleado] int NOT NULL,

        [Nombre] varchar(50) NOT NULL,

        [Apellido] varchar(50) NOT NULL,

        [Direccion] varchar(50) NOT NULL,

        [ID_Usuario] int NULL
)
GO


CREATE TABLE [Evaluacion Electronica]
(
        [ID_Evaluacion Electronica] int NOT NULL,

        [Fecha] date NULL,

        [Peso] int NULL,

        [IMC] int NOT NULL,

        [Porcentaje Grasa] int NOT NULL,

        [Porcentaje Masa Muscular] int NOT NULL,
```

```
        [Metabolismo Basal] int NOT NULL,

        [Nivel Grasa Visceral] int NOT NULL,

        [Edad Biologica] int NOT NULL,

        [ID_Formulario] int NULL
)
GO


CREATE TABLE [Formulario]
(

        [ID_Formulario] int NOT NULL,

        [Fecha Inicio] date NOT NULL
)
GO


CREATE TABLE [Historial Cita]
(

        [ID_Historial] int NOT NULL,

        [Resultado] varchar(50) NULL,

        [ID_Formulario] int NULL
)
GO


CREATE TABLE [Historial Medico]
(

        [ID_Historial Medico] int NOT NULL,

        [Enfermedades Sufridas] varchar(50) NOT NULL,

        [Alergias] varchar(50) NOT NULL,

        [Problemas con el corazon] varchar(50) NOT NULL,

        [Padece de azucar] varchar(50) NOT NULL,
```

```sql
        [ID_Cliente] int NULL
)
GO


CREATE TABLE [Horario Empleado]
(
        [ID_Horario Empleado] int NOT NULL,
        [Hora Inicio] time(7) NOT NULL,
        [Hora Fin] time(7) NOT NULL,
        [ID_Empleado] int NULL
)
GO


CREATE TABLE [Informacion Cliente]
(
        [ID_Informacion Cliente] int NOT NULL,
        [Nivel de energia] varchar(50) NULL,
        [Actividad Fisica] varchar(50) NULL,
        [Nutricion Inicial] varchar(50) NULL,
        [Cantidad de Comidas al dia] int NULL,
        [Objetivo con su Cuerpo] varchar(50) NULL,
        [Descanso por la Noche] varchar(50) NULL,
        [ID_Cliente] int NULL
)
GO


CREATE TABLE [Usuario]
(
        [ID_Usuario] int NOT NULL,
```

```sql
        [Password] varchar(50) NOT NULL,

        [ID_Evaluacion Electronica] int NULL
)
GO


/* Create Primary Keys, Indexes, Uniques, Checks */


ALTER TABLE [Cita control]
 ADD CONSTRAINT [PK_Cita control]
        PRIMARY KEY CLUSTERED ([ID_Cita] ASC)
GO


CREATE NONCLUSTERED INDEX [IXFK_Cita control_Historial Cita]
 ON [Cita control] ([ID_Historial] ASC)
GO


ALTER TABLE [Cliente]
 ADD CONSTRAINT [PK_Cliente]
        PRIMARY KEY CLUSTERED ([ID_Cliente] ASC)
GO


CREATE NONCLUSTERED INDEX [IXFK_Cliente_Formulario]
 ON [Cliente] ([ID_Formulario] ASC)
GO


ALTER TABLE [Empleado]
 ADD CONSTRAINT [PK_Empleado]
        PRIMARY KEY CLUSTERED ([ID_Empleado] ASC)
GO
```

```sql
CREATE NONCLUSTERED INDEX [IXFK_Empleado_Usuario]

 ON [Empleado] ([ID_Usuario] ASC)

GO


ALTER TABLE [Evaluacion Electronica]

 ADD CONSTRAINT [PK_Evaluacion Electronica]

        PRIMARY KEY CLUSTERED ([ID_Evaluacion Electronica] ASC)

GO


CREATE NONCLUSTERED INDEX [IXFK_Evaluacion Electronica_Formulario]

 ON [Evaluacion Electronica] ([ID_Formulario] ASC)

GO


ALTER TABLE [Formulario]

 ADD CONSTRAINT [PK_Formulario]

        PRIMARY KEY CLUSTERED ([ID_Formulario] ASC)

GO


ALTER TABLE [Historial Cita]

 ADD CONSTRAINT [PK_Historial Cita]

        PRIMARY KEY CLUSTERED ([ID_Historial] ASC)

GO


CREATE NONCLUSTERED INDEX [IXFK_Historial Cita_Formulario]

 ON [Historial Cita] ([ID_Formulario] ASC)

GO


ALTER TABLE [Historial Medico]
```

```sql
    ADD CONSTRAINT [PK_Historial Medico]

            PRIMARY KEY CLUSTERED ([ID_Historial Medico] ASC)

GO


CREATE NONCLUSTERED INDEX [IXFK_Historial Medico_Cliente]

 ON [Historial Medico] ([ID_Cliente] ASC)

GO


ALTER TABLE [Horario Empleado]

 ADD CONSTRAINT [PK_Horario Empleado]

            PRIMARY KEY CLUSTERED ([ID_Horario Empleado] ASC)

GO


CREATE NONCLUSTERED INDEX [IXFK_Horario Empleado_Empleado]

 ON [Horario Empleado] ([ID_Empleado] ASC)

GO


ALTER TABLE [Informacion Cliente]

 ADD CONSTRAINT [PK_Informacion Cliente]

            PRIMARY KEY CLUSTERED ([ID_Informacion Cliente] ASC)

GO


CREATE NONCLUSTERED INDEX [IXFK_Informacion Cliente_Cliente]

 ON [Informacion Cliente] ([ID_Cliente] ASC)

GO


ALTER TABLE [Usuario]

 ADD CONSTRAINT [PK_Usuario]

            PRIMARY KEY CLUSTERED ([ID_Usuario] ASC)
```

GO

CREATE NONCLUSTERED INDEX [IXFK_Usuario_Evaluacion Electronica]

 ON [Usuario] ([ID_Evaluacion Electronica] ASC)

GO

/* Create Foreign Key Constraints */

ALTER TABLE [Cita control] ADD CONSTRAINT [FK_Cita control_Historial Cita]

        FOREIGN KEY ([ID_Historial]) REFERENCES [Historial Cita] ([ID_Historial]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Cliente] ADD CONSTRAINT [FK_Cliente_Formulario]

        FOREIGN KEY ([ID_Formulario]) REFERENCES [Formulario] ([ID_Formulario]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Empleado] ADD CONSTRAINT [FK_Empleado_Usuario]

        FOREIGN KEY ([ID_Usuario]) REFERENCES [Usuario] ([ID_Usuario]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Evaluacion Electronica] ADD CONSTRAINT [FK_Evaluacion Electronica_Formulario]

        FOREIGN KEY ([ID_Formulario]) REFERENCES [Formulario] ([ID_Formulario]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Historial Cita] ADD CONSTRAINT [FK_Historial Cita_Formulario]

FOREIGN KEY ([ID_Formulario]) REFERENCES [Formulario] ([ID_Formulario]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Historial Medico] ADD CONSTRAINT [FK_Historial Medico_Cliente]

FOREIGN KEY ([ID_Cliente]) REFERENCES [Cliente] ([ID_Cliente]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Horario Empleado] ADD CONSTRAINT [FK_Horario Empleado_Empleado]

FOREIGN KEY ([ID_Empleado]) REFERENCES [Empleado] ([ID_Empleado]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Informacion Cliente] ADD CONSTRAINT [FK_Informacion Cliente_Cliente]

FOREIGN KEY ([ID_Cliente]) REFERENCES [Cliente] ([ID_Cliente]) ON DELETE No Action ON UPDATE No Action

GO

ALTER TABLE [Usuario] ADD CONSTRAINT [FK_Usuario_Evaluacion Electronica]

FOREIGN KEY ([ID_Evaluacion Electronica]) REFERENCES [Evaluacion Electronica] ([ID_Evaluacion Electronica]) ON DELETE No Action ON UPDATE No Action

GO