**Gestión de cursos por usuario**

**Diagrama

Descripción generada automáticamente**

ABMC de cursos, categorías y objetivos

Transacciones propuestas:

-Actualización de todos los objetivos de un curso.

-Actualización del avance de los usuarios por curso.

Diagrama

Descripción generada automáticamente

CREATE TABLE [dbo].[UsuariosCurso](

[id\_usuario] [int] NOT NULL,

[id\_curso] [int] NOT NULL,

[puntuacion] [int] NULL,

[observaciones] [varchar](150) NULL,

[fecha\_inicio] [datetime] NULL,

[fecha\_fin] [datetime] NULL,

CONSTRAINT [PK\_UsuariosCurso] PRIMARY KEY CLUSTERED

( [id\_usuario] ASC,

[id\_curso] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

CREATE TABLE [dbo].[UsuariosCursoAvance](

[id\_usuario] [int] NOT NULL,

[id\_curso] [int] NOT NULL,

[inicio] [datetime] NOT NULL,

[fin] [datetime] NULL,

[porc\_avance] [int] NULL,

CONSTRAINT [PK\_UsuariosCursoAvance] PRIMARY KEY CLUSTERED

( [id\_usuario] ASC,

[id\_curso] ASC,

[inicio] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

CREATE TABLE [dbo].[Objetivos](

[id\_objetivo] [int] NOT NULL,

[nombre\_corto] [varchar](50) NULL,

[nombre\_largo] [varchar](100) NULL,

[borrado] [bit] NULL,

CONSTRAINT [PK\_Objetivos] PRIMARY KEY CLUSTERED

([id\_objetivo] ASC)

WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

CREATE TABLE [dbo].[ObjetivosCursos](

[id\_objetivo] [int] NOT NULL,

[id\_curso] [int] NOT NULL,

[puntos] [int] NULL,

[borrado] [bit] NULL,

CONSTRAINT [PK\_ObjetivosCursos] PRIMARY KEY CLUSTERED

( [id\_objetivo] ASC,

[id\_curso] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

CREATE TABLE [dbo].[Cursos](

[id\_curso] [int] NOT NULL,

[nombre] [varchar](50) NULL,

[descripcion] [nvarchar](50) NULL,

[fecha\_vigencia] [datetime] NULL,

[id\_categoria] [int] NULL,

[borrado] [bit] NULL,

CONSTRAINT [PK\_Cursos] PRIMARY KEY CLUSTERED

([id\_curso] ASC)

WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

CREATE TABLE [dbo].[Categorias](

[id\_categoria] [int] NOT NULL,

[nombre] [varchar](50) NULL,

[descripcion] [nvarchar](50) NULL,

[borrado] [bit] NULL,

CONSTRAINT [PK\_Categorias] PRIMARY KEY CLUSTERED

([id\_categoria] ASC)

WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]