



Exportar



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 Create User table with proper data types, constraints, and indexing

-- Best practices implemented: proper data types, constraints, indexing, comments, meaningful names

-- If the table already exists, drop it

```
IF OBJECT_ID('dbo.Users', 'U') IS NOT NULL
    DROP TABLE dbo.Users;
```

GO

-- Create Users table with appropriate data types and constraints

```
CREATE TABLE dbo.Users (
    UserID INT IDENTITY(1,1) NOT NULL,
    Username NVARCHAR(50) NOT NULL,
    FullName NVARCHAR(100) NOT NULL,
    Sex CHAR(1) NULL CHECK (Sex IN ('M', 'F', 'O')), -- M=Male, F=Female, O=Other
    Email NVARCHAR(255) NOT NULL,
    Phone NVARCHAR(20) NULL,
    PasswordHash NVARCHAR(255) NOT NULL, -- Store hash, not plain password
    PhotoPath NVARCHAR(500) NULL,
    DateOfBirth DATE NULL,
    IsStaff BIT NOT NULL DEFAULT 0,
    IsActive BIT NOT NULL DEFAULT 1,
    IsSuperUser BIT NOT NULL DEFAULT 0,
    DateJoined DATETIME2(0) NOT NULL DEFAULT GETDATE(),
    FileBiPath NVARCHAR(500) NULL,
    IssuedOn DATE NULL,
    ValidUntil DATE NULL,
    FileCvPath NVARCHAR(500) NULL,
```

-- Audit columns (optional but recommended)

```
CreatedAt DATETIME2(0) NOT NULL DEFAULT GETDATE(),
UpdatedAt DATETIME2(0) NULL,
```

-- Constraints

```
CONSTRAINT PK_Users PRIMARY KEY CLUSTERED (UserID),
CONSTRAINT UQ_Users_Username UNIQUE (Username),
CONSTRAINT UQ_Users_Email UNIQUE (Email)
```

);

GO

W Create indexes for better performance

```
CREATE NONCLUSTERED INDEX IX_Users_Username ON dbo.Users(Username);
```