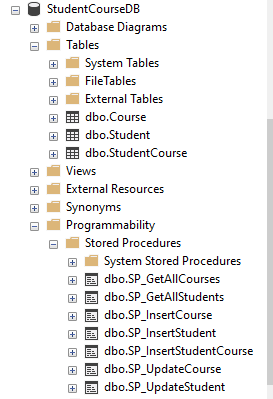
Note: SSMS used for data base creation and store procedure creation added full script as below also attached sql file in git inside core project and documentation folder.



USE [StudentCourseDB]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Course] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Course](

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

[CourseName] [varchar](50) NULL,

CONSTRAINT [PK\_Course] PRIMARY KEY CLUSTERED

(

[CourseId] ASC

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

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Student] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Student](

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

[StudentName] [varchar](50) NULL,

[DateOfBirth] [date] NULL,

[Gender] [char](1) NULL,

CONSTRAINT [PK\_Student] PRIMARY KEY CLUSTERED

(

[StudentId] ASC

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

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[StudentCourse] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[StudentCourse](

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

[StudentId] [int] NULL,

[CourseId] [int] NULL,

CONSTRAINT [PK\_StudentCourse] PRIMARY KEY CLUSTERED

(

[StudentCourseId] ASC

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

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_GetAllCourses] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to retrieve all courses

CREATE PROCEDURE [dbo].[SP\_GetAllCourses]

AS

BEGIN

SELECT \* FROM Course

END

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_GetAllStudents] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to retrieve all students

CREATE PROCEDURE [dbo].[SP\_GetAllStudents]

AS

BEGIN

SELECT \* FROM Student

END

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_InsertCourse] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to insert a new course

CREATE PROCEDURE [dbo].[SP\_InsertCourse]

@CourseName VARCHAR(50)

AS

BEGIN

INSERT INTO Course (CourseName)

VALUES (@CourseName)

END

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_InsertStudent] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to insert a new student

CREATE PROCEDURE [dbo].[SP\_InsertStudent]

@StudentName VARCHAR(50),

@DateOfBirth DATE,

@Gender VARCHAR(1)

AS

BEGIN

INSERT INTO Student (StudentName, DateOfBirth, Gender)

VALUES (@StudentName, @DateOfBirth, @Gender)

END

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_InsertStudentCourse] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to assign a course to a student

CREATE PROCEDURE [dbo].[SP\_InsertStudentCourse]

@StudentId INT,

@CourseId INT

AS

BEGIN

INSERT INTO StudentCourse (StudentId, CourseId)

VALUES (@StudentId, @CourseId)

END

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_UpdateCourse] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to insert a new student

Create PROCEDURE [dbo].[SP\_UpdateCourse]

@CourseId Int,

@CourseName VARCHAR(50)

AS

BEGIN

UPDATE Course

SET

CourseName = @CourseName

where CourseId = @CourseId;

END

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_UpdateStudent] Script Date: 07-04-2024 16:40:53 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- Procedure to insert a new student

CREATE PROCEDURE [dbo].[SP\_UpdateStudent]

@StudentId Int,

@StudentName VARCHAR(50),

@DateOfBirth DATE,

@Gender VARCHAR(1)

AS

BEGIN

UPDATE Student

SET

StudentName = @StudentName,

DateOfBirth = @DateOfBirth,

@Gender=@Gender

where StudentId = @StudentId;

END

GO