AssignmentDFSD2501

EntityFrameWork

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SourceCode:

https://github.com/BKarthik1/BKarthik1.git

Question

Student Management System

Problem Statements:

Application should automate the Student information management.

In the given college, there are multiple departments. Each department has attributes like Department ID and Department name. The entire learning is divided into semesters. There can be multiple courses that belongs to a given department and the given semester. Each course will be identified by Course ID and Course name.

Application should manage data of Both Staff and Student those belongs to the college. Staff has attributes like StaffID, Name, Designation, Date Of Joining and department he belongs to. Student will have StudentID, Name, Date Of Birth, Address.

Application should manage data of Department, Semester, course, staff and students. Application should manage scores of the student he/she scored in different courses.

Identifying Modules/components:

Layers:

- 1. User Interface layer
 - a. Web Client App
 - i. Asp.NET Core
- 2. Business layer
 - a. Class library
- 3. Data layer (Class Library)
 - a. ADO.NET application
- 4. Data base
 - a. SQL server

Database Schema

The Details of Entities are as follows:

Student:

<u>ST_ID</u>	ST_FNAME	ST_LNAME	DÓB	JOIN_DATE	HOUSE_NAME	STREET_NAME	CITY	ZIPCODE	STAFF_INCHARGE_ID

STAFFS

CTACE ID I	CE EIDCTNIANAE	CE INCTRIARIE	DECIGNIATION	CTACE DOD	CTACE DEDT ID	CTACE DOL	STAFF EXPERIENCE
JIAFF ID I	OF FINDLINAINE	JF LAJINAIVIE	DESIGNATION	JIAFF DUD	JIAFF DEFI ID	JIAFF DUJ	JIATE ENFERIENCE

COURSE_DETAILS

COURSE ID	COURSE_NAME	SEM_ID	DEPT_ID	COURSE_TYPE
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DEPARTMENT

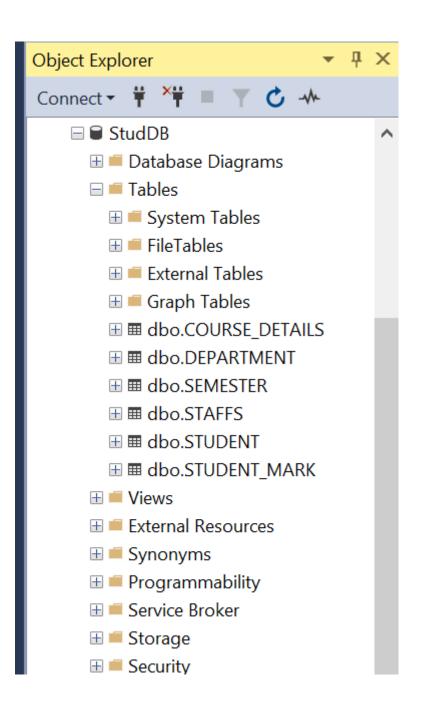
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DEPT ID	DEPT NAME	
DEPT ID		

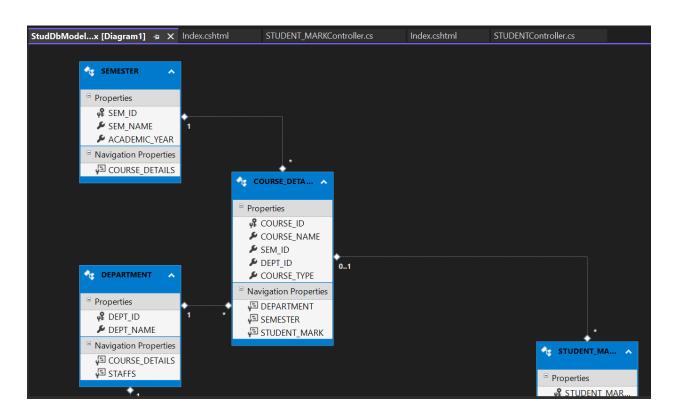
SEMESTER

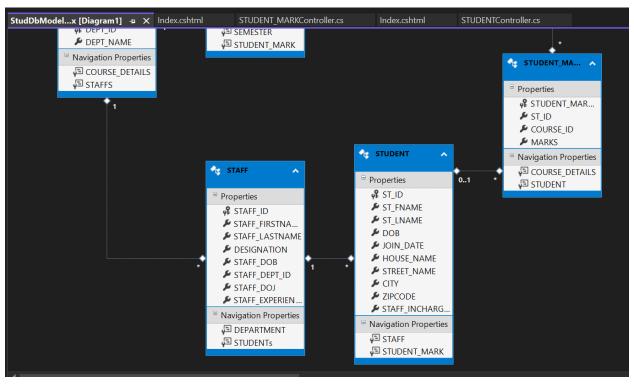
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	SEM_ID	SEM_NAME	ACADEMIC YEAR	l

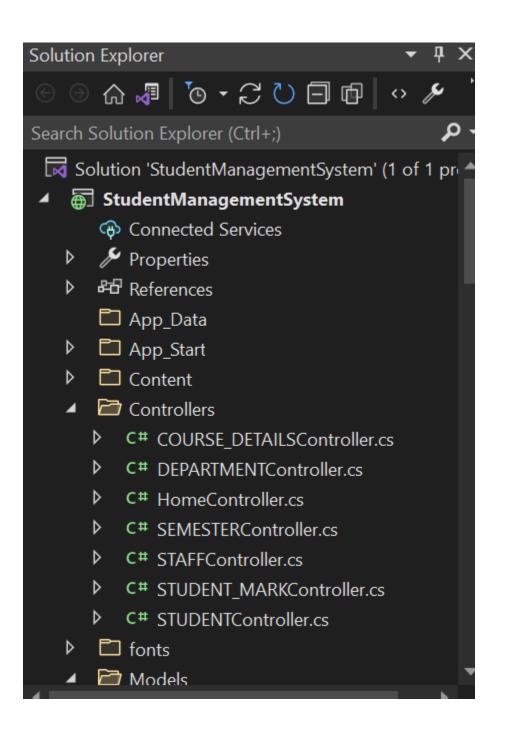
STUDENTS_MARKS

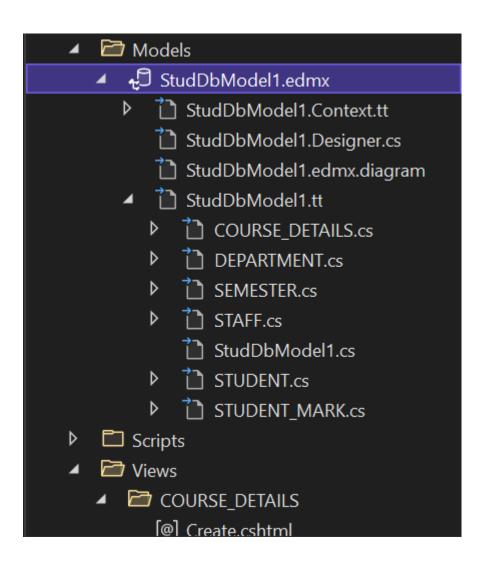
STUDENT_MARKS_ID	ST_ID	COURSE_ID	Marks					
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- - ▲ COURSE_DETAILS
 - [@] Create.cshtml
 - [@] Delete.cshtml
 - [@] Details.cshtml
 - [@] Edit.cshtml
 - [@] Index.cshtml
 - ▲ DEPARTMENT
 - [@] Create.cshtml
 - [@] Delete.cshtml
 - [@] Details.cshtml
 - [@] Edit.cshtml
 - [@] Index.cshtml
 - ▶ 🛅 Home
 - ▲ SEMESTER
 - [@] Create.cshtml

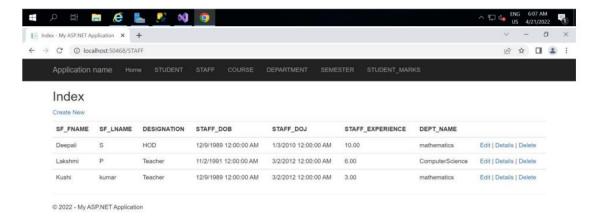
- ▲ SEMESTER
 - [@] Create.cshtml
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 - @ Details.cshtml
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- ▲ Shared
 - [@] _Layout.cshtml
 - [@] Error.cshtml
- - [@] Create.cshtml
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- ▲ STUDENT
 - [@] Create.cshtml
 - [@] Delete.cshtml

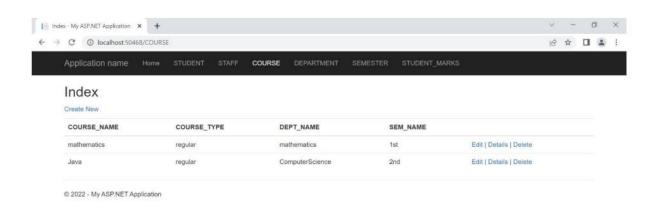
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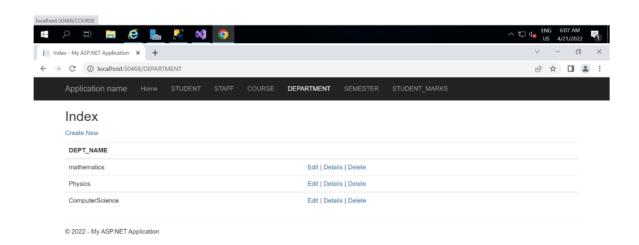
Create New

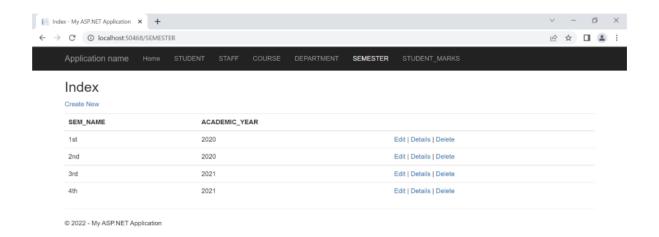
ST_FNAME	ST_LNAME	DOB	JOIN_DATE	HOUSE_NAME	STREET_NAME	CITY	ZIPCODE	DEPT_NAME	SF_FNAME	
										Edit Details Delete
Bhavana	Р	7/14/2000 12:00:00 AM	6/3/2010 12:00:00 AM	Brudavana	BasweshwarNagar	kollegal	571440	mathematics	Lakshmi	Edit Details Delete
Nayana	U	5/1/2001 12:00:00 AM	6/3/2010 12:00:00 AM	Tirumala	Rajkumar Road	Tumkur	560001	Physics	Kushi	Edit Details Delete

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