# **My Choice: Option 2**

# **Database Design and Implementation:**

**Question 1 : SMTI\_Teacher\_Course\_Final**

**Question 2:**

There are 4 tables I am going to use in My Database.

(1)Teachers

|  |  |
| --- | --- |
| Fields | Relationship |
| TeacherId | Int(Primary Key) |
| Name | Nvarchar(50) |

(2)Courses

|  |  |
| --- | --- |
| Fields | Relationship |
| CourseId | Nvarchar(50)( Primary Key) |
| CourseName | Nvarchar(100) |

(3)CourseAssignment

|  |  |
| --- | --- |
| Fields | Relationship |
| CourseId | Nvarchar(50)( Primary Key ,Foreign\_key) |
| TeacherId | Int(Primary Key,Foreign\_key) |
| AssignedDate | date |

(4)Users

|  |  |
| --- | --- |
| Fields | Relationship |
| UsersId | Int(Primary Key) |
| Password | Nvarchar(50) |
| JobTitle | Nvarchar(50) |

Here Teachers and Courses tables are in many to many relationship, So I have created CourseAssignment table in order to normalize Database.

# **Web Application Design based on the Option selected**

WebPages:

HomeScreen:

Teachers: Create.cshtml

Details.cshml

Edit.cshtml

Index.cshtml

Courses:

Create.cshtml

Details.cshtml

Index.cshtml

Edit.cshtml

Course Assignments:

Create.chtml

Edit.cshtml

Delete.cshtml

Detail.cshtml

Index.cshtml

Teacher must be able to view assigned courses.

Co-ordinator must be able to add courses.

Co-ordinator must be able to list all the courses.

I have one LoginViewModel.cs file which can log in user.

Question2

I have Selected the OPTION 2:-

and based on that a page will be displayed in which there will be 3 links.

Clicking on each link will redirect to next page where the information will be displayed of teachers,

courses and course assigned to teachers.

Question3

FOR THIS:-

Install the 4 nugget packages

then in package manager console write the Scaffold query to link the database.

then add the controllers by clicking on the controllers folder and all the controls.

Question4

Testing

User - assign courses to teacher - Working

Program Coordinator - view courses assigned to teacher - working

Teacher - view courses assigned - working