LIVE VIRTUAL CLASS (LVC PORTAL)

**Important Instructions:**

1. **Please read the document thoroughly before you code.**
2. **Import the given skeleton code into your Visual Studio.**
3. **Use .NET Framework 4.6 or above for solving the coding challenge**
4. **You have to test the code and ensure there are no compilation errors before submission**

**Business Scenario:**

The LVC Portal Application allows user to make the profile & register for the online class. You are assigned the task of developing a Web application based on ASP.NET MVC using Entity Framework Code First Approach that will performs the following operations.

1. Registration for the Live Virtual Class
2. Validate the Registration Form
3. Submit The Registration Details Inside the SQL Server Database Table
4. Show the Registered Students

**Requirement Specification:**

|  |  |
| --- | --- |
| Requirement 1 | User can Register for the Live Virtual Class |
| **Design a web application using ASP.NET MVC entity framework code-first approach, which contains the Student Registration form to add the student details inside the SQL Server Database Table. Validators are required to accept the required student details. Specify the database configuration/mapping to Project entity using entity framework code first approach.** | |
|  | |
| **Trigger** – Whenever user selected “User Registration-Create”. | |
| **Post Conditions** – N/A | |
| **Success End Condition** – If the registration added successfully, the system should display message as “Student added successfully”. | |
| **Failed End Condition** – In case the User Registration fails, system should display the message as “Failed to add new user. Try again later”. In case of any error/exceptions, system should display a message as “System error. Try again later” | |
| **Steps and Actions**   1. User will start the application 2. User will select “Add Project Details” from the choices in Web Application 3. Following details must be collected and saved into the system. 4. UserID 5. UserName 6. UserEmail 7. UserMobile 8. Remarks 9. After validating all the values of Registration form details must be updated in the SQL Server Database Table. 10. Display the appropriate success/failure message as provided. 11. Show the Student details as a Tabular Format. | |
| **Business Rules and Validations**   1. Make ID as primary key and identity 2. Name is mandatory & length should be less than 30 characters 3. Email is mandatory and should follow the email pattern 4. Mobile is required and should be in number with a length of 10 | |

**Technical Specifications:**

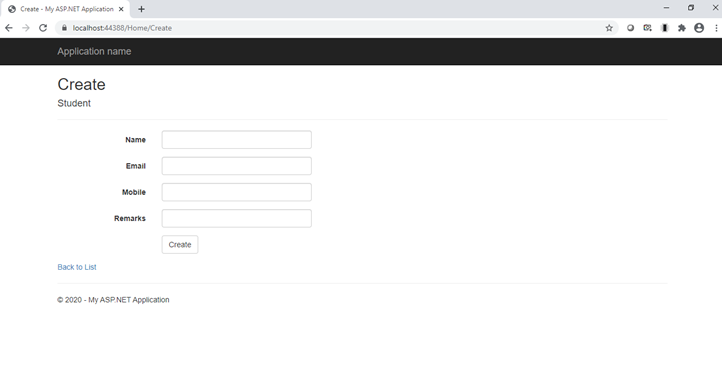
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| **Project Name:** BusinessLogic | | **ProjectType:**  WebApplication | **Namesapce:**  BusinessLogic |
| **WebApplication Name** | **Properties/Methods/EnumValues** | **DataType** |  |
| LVCPORTAL | UserID | int |  |
| UserName | String |  |
| UserEmail | String |  |
| UserMobile | int |  |
| Remarks | string |  |

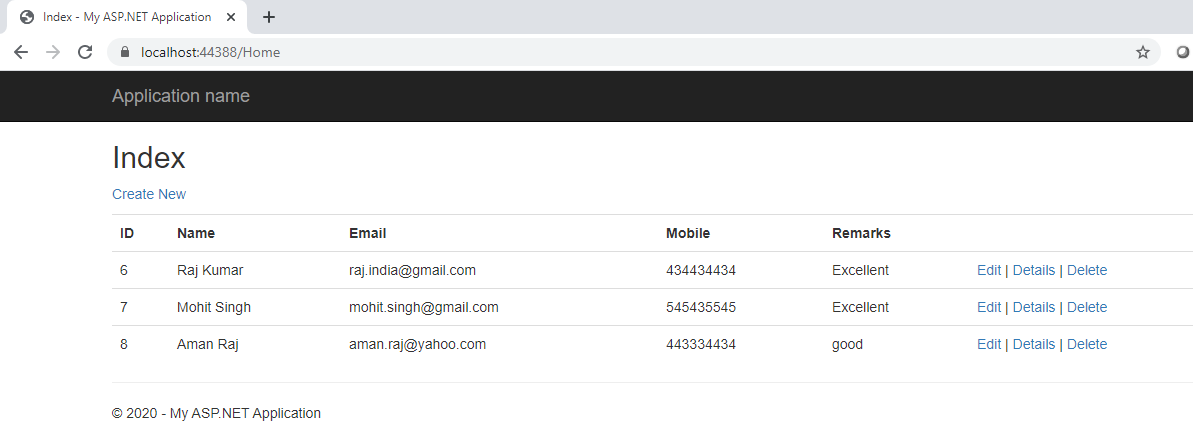
**Skeleton File for Development:**

Import the below attached skeleton code into your visual studio and implement the required functionalities

Will put project Skeleton ZIP file here

**Sample Test runs:**

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