

Position: Associate Software Engineer

NB: Before you start the test, please read the full instructions carefully.

Project Test Instructions:

- First you need to create two tables in SQL server, there will be a primary key and foreign key relationship in between student table and class table by Id from Class Table (Primary Key) and Class Id from Student Table (Foreign Key).

Table Name: **Student Table**

Columns: Id (Primary Key) → GUID (62d40c59-b978-4f9d-976d-3e73e209432e),

Name → String (Michel),

Gender → Int (1),

DOB → Datetime (01-01-2000),

ClassId (Foreign Key) → Int (1)

Created Date → Datetime (01-01-2000),

Modification Date → Datetime (01-01-2000)

Table Name: **Class Table**

Columns: Id (Primary Key, Auto Increment) → Int (1)

Name → String (One),

Created Date → Datetime (01-01-2000),

Modification Date → Datetime (01-01-2000)

- Create a Windows Forms app.
Use entity framework for database connectivity.

View page should be like following:

Add New Student Info

List of students

Name	Class	DOB	Gender	Action
Michel	One	02-01-2017	Male	Edit Details Delete
Roy	Five	18-06-2013	Male	Edit Details Delete
Jennifer	Ten	12-12-2010	Female	Edit Details Delete

I) **Add New Student Info** (It will be a button. By clicking this button user will be able to add new student information in database)

II) **Edit** (It will be a button. By clicking this button user will be able to edit student information in database)

III) **Details** (It will be a button. By clicking this button user will be able see student details information from database)

IV) **Delete** (It will be a button. By clicking this button user will be able to delete student information from database)

For any of this button click operation, open a new page and complete the operation in that particular page. After complete the operation user will be automatically redirected to the list page and user will view updated information from database.

- For **Add New Student Info** and **Edit** operation
 1. Use textbox for Name
 2. Use dropdown for Class
 3. Use calendar for DOB
 4. Use radio button for Gender
 5. Created Date and Modification Date will be assigned from the controller's action result, which will be created by you for create and edit operation.
- No need to create any **create/edit/details/delete** operation for **Class Table** you just add your required data manually into the database table.
- After Complete the task you will create a schema of your database tables then copy and paste it into a text file named "schema.txt".
- Project and schema.txt file should be in the same folder and named the folder as your full name (Example Folder Name: MD. Masud Rana)
- Zip the folder and upload it to google drive and make sure your google drive link is public.
- Sent your google drive link To: career@dhakaregency.com Cc: jubairuva@gmail.com.
- You will get 48 hours to complete the task.