

EMPLOYEE MANAGEMENT SYSTEM

1. Create a Postgre database with the following tables. Define field types based on your understanding.

Department

- a. Id (PK)
- b. Name

Employee

- a. Id (PK)
- b. FirstName
- c. LastName
- d. DeptId (It should be set as a foreign key to Department table)
- e. Age
- f. Email
- g. Education
- h. Company
- i. Experience
- j. Package

2. Create a .NET core MVC project using repository pattern
3. Use Entity framework with PostgreSQL with Data first approach.
4. Create a screen to show the list of records as shown in first screenshot
5. Create Add/Edit form as shown in 2nd image
 - Add/Edit methods must be separate. Use partial view for Add and Edit forms.
 - If you are not going for nice to have features 1 & 2, use Dropdown control to populate existing **departments** and use its Id to save the **Employee** record.
 - On click of Delete, record should get deleted from the database and record should get disappeared from the list on UI.

Nice To Have:

1. **Department** field must be auto-suggest control. If user selects existing **department**, then it should use its Id in the new/existing **Employee** record while saving to database.
2. If user enters name that doesn't exist in the **Department** table, then on click of Save button, it should create a new **department** record in the **Department** table and its Id should be used in the new/existing **Employee** record in Add/edit form
3. Paging / Pagination
4. Use Validations on front-end

Note: Finish the task within the specified timeframe of 5 hours, from **1:30 PM to 6:30 PM**, and establish a new folder name **Assignment** within the same project repository in GitHub. Ensure that the assignment is **committed before 7:00 PM**; Any changes made after **7:00 PM will not be accepted and will result in the negative marking**. Share the GitHub link with the coordinator once the assignment is completed within the designated time.

Employee Management System											ADD EMPLOYEE
<input type="text" value="Search"/>											
ID	First Name	Last Name	Email	Age	Gender	Department	Education	Company	Experience	Package	Action
1	Brinn	Jephcote	bjephcote0@archive.org	24	Female	Sales	Graduate	Gabspot	36	₹37.00 L	Edit Delete
2	Kenneth	MacElholm	kmacelholm1@sina.com.cn	32	Male	IT	Matric	Agivu	75	₹17.00 L	Edit Delete
3	Kimmy	Penniall	kpenniall2@biblegateway.com	34	Female	Marketing	Graduate	Mycat	45	₹17.00 L	Edit Delete
4	Amity	Guillard	aguillard3@blogspot.com	45	others	Management	Graduate	Youopia	10	₹16.00 L	Edit Delete
5	Munmro	Wrangle	mwrangle4@network.org	26	Male	HR	Post Graduate	Jaxworks	63	₹9.00 L	Edit Delete
6	Hunter	Lammenga	hlammenga5@studiopress.com	56	Male	Marketing	Intermediate	Wordpedia	94	₹20.00 L	Edit Delete
7	Dot	Staterfield	dstaterfield6@icq.com	32	Female	Sales	Post Graduate	Riffpath	10	₹16.00 L	Edit Delete
8	Monika	Noni	mnoni7@eventbrite.com	35	Female	HR	Matric	Skinte	9	₹32.00 L	Edit Delete
9	Ganny	Cammacke	gcammacke8@pbs.org	36	Male	IT	Diploma	Demizz	30	₹28.00 L	Edit Delete
10	William	Farnish	wfarnish9@163.com	28	Male	HR	Matric	Teklist	6	₹18.00 L	Edit Delete

Employee Form

<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>
<input type="text" value="Email"/>	<input type="text" value="Age"/>
Gender <input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Others	<input type="text" value="Department"/>
<input type="text" value="Education"/>	<input type="text" value="Company Name"/>
<input type="text" value="Experience"/>	<input type="text" value="Package"/>
In Years	In Rupees
<input type="button" value="Cancel"/>	<input type="button" value="Save"/>

Employee Form

First Name

Brinn

Last Name

Jephcote

Email

bjephcote0@archive.org

Age

24

Gender

☒ Male

☐ Female

☐ Others

Ma

Marketing

Management

Education

Experience

36

In Years

In Rupees

Cancel

Update