PROJECT MANAGEMENT SYSTEM

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

   Domain

   > a. Id (PK)
   > b. Name

   Project

   > a. Id (PK)
   > b. ProjectName
   > c. Assignee
   > d. DomainID(It should be set as a foreign key to **Domain** table)
   > e. Description
   > f. DueDate
   > g. Domain
   > h. City

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 **Domain** and use its Id to save the **Project** 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. **Domain** field must be auto-suggest control. If user selects existing **Domain**, then it should use its Id in the new/existing **Project** record while saving to database.
2. If user enters name that doesn't exist in the **Domain** table, then on click of Save button, it should create a new **Domain** record in the **Domain** table and its Id should be used in the new/existing **Project** 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.

Project Management System

ADD PROJECT

Search

Project ID	Project Name	Asignee	Discription		Due Date	Domain	City	Action	
1	Write monthly report	Brinn	Compile and summa		Jun 4, 2024	TaskEase.com	Indore	Edit	Delete
2	Prepare presentation slides	Kenneth	Create visually appe		May 7, 2024	ProPlan.io	Ahemdabad	Edit	Delete
3	Review project proposal	Kimmy	Analyze and provide		Jun 3, 2024	TeamUpHub.com	Jabalpur	Edit	Delete
4	Conduct market research	Guillard	Gather data and insi		Jul 2, 2024	TaskFlow.io	Mumbai	Edit	Delete
5	Schedule team meeting	Wrangle	Coordinate a time fo		Apr 19, 2024	ProjectEase.io	Pune	Edit	Delete
6	Send follow-up emails	Lammenga	Reach out to clients		Apr 24, 2024	Planify.io	Bangalore	Edit	Delete
7	Update project timeline	Staterfield	Revise the project s		May 20, 2024	TaskBuddy.com	Hyderabad	Edit	Delete
8	Attend training session	Noni	Participate in worksl		May 13, 2024	TrackPro.io	Ahemdabad	Edit	Delete
9	Brainstorm new ideas	Cammacke	Collaborate with tea challenge.		Aug 15, 2024	TaskEase.com	Indore	Edit	Delete
10	Create budget spreadsheet	William	Develop a detailed spreadsheet outlining project expenses, a		Apr 11, 2024	ProPlan.io	Pune	Edit	Delete

Task Form

Task Name
Write monthly report

Asignee
Brinn

Discription
Compile and summarize ke

Due Date
6/4/2024
MM/DD/YYYY

City
Indore

Ta

TaskEase.com

TaskFlow.io

TaskBuddy.com

Cancel

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