

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	Assignee	Discription	Due Date	Domain	City	Action
1	Write monthly report	Brinn	Compile and summarize key achievements, challenges, and metrics for the month.	Jun 4, 2024	TaskEase.com	Indore	<div>EditDelete</div>
2	Prepare presentation slides	Kenneth	Create visually appealing slides outlining project updates, findings, or proposals.	May 7, 2024	ProPlan.io	Ahemdabad	<div>EditDelete</div>
3	Review project proposal	Kimmy	Analyze and provide feedback on a proposed project plan, budget, and timeline.	Jun 3, 2024	TeamUpHub.com	Jabalpur	<div>EditDelete</div>
4	Conduct market research	Guillard	Gather data and insights on target markets, competitors, and consumer behavior.	Jul 2, 2024	TaskFlow.io	Mumbai	<div>EditDelete</div>
5	Schedule team meeting	Wrangle	Coordinate a time for team members to discuss project progress, goals, and upcoming tasks.	Apr 19, 2024	ProjectEase.io	Pune	<div>EditDelete</div>
6	Send follow-up emails	Lammenga	Reach out to clients or stakeholders to provide updates, answer questions, or confirm next steps.	Apr 24, 2024	Planify.io	Bangalore	<div>EditDelete</div>
7	Update project timeline	Staterfield	Revise the project schedule to reflect changes in deadlines, milestones, or dependencies.	May 20, 2024	TaskBuddy.com	Hyderabad	<div>EditDelete</div>
8	Attend training session	Noni	Participate in workshops or seminars to develop new skills or gain knowledge relevant to your role.	May 13, 2024	TrackPro.io	Ahemdabad	<div>EditDelete</div>
9	Brainstorm new ideas	Cammacke	Collaborate with team members to generate innovative solutions or strategies for a specific challenge.	Aug 15, 2024	TaskEase.com	Indore	<div>EditDelete</div>
10	Create budget spreadsheet	William	Develop a detailed spreadsheet outlining project expenses, allocations, and forecasts.	Apr 11, 2024	ProPlan.io	Pune	<div>EditDelete</div>

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Task Form

Task Name

Assignee

Discription

Due Date

MM/DD/YYYY

City

Domain

Cancel

Save

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Task Form

Task Name

Write monthly report

Assignee

Brinn

Description

Compile and summarize k

Due Date

6/4/2024

MM/DD/YYYY

City

Indore

Ta

TaskEase.com

TaskFlow.io

TaskBuddy.com

Cancel