

TASK MANAGEMENT SYSTEM

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

Category

- a. Id (PK)
- b. Name

Task

- a. Id (PK)
 - b. TaskName
 - c. Assignee
 - d. CategoryId (It should be set as a foreign key to **Category** table)
 - e. Description
 - f. DueDate
 - g. Category
 - 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 **Category** and use its Id to save the **Task** 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. **Category** field must be auto-suggest control. If user selects existing **Category**, then it should use its Id in the new/existing **Task** record while saving to database.
2. If user enters name that doesn't exist in the **Category** table, then on click of Save button, it should create a new **Category** record in the **Category** table and its Id should be used in the new/existing **Task** 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.

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

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Task Form

Task Name

Assignee

Description

Due Date

City

Category

Cancel

Save

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Task Form

Task Name

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Assignee

Brinn

Description

Compile and summarize k

Due Date

6/4/2024

City

Indore

Category

Low Priority

Cancel

Save