

Pedal Start

Assignment - Full Stack Developer

Instructions:

- Submit the assignment within 24 hours
- Maintain the guidelines provided with each task
- Make a drive folder which contains all required files and docs
- If any more points taken from your side it will be a plus point for overall evaluation, you can make a word document
- Include any additional notes or explanations regarding design choices, challenges faced, and future improvements in the same document.
- Provide a live demo link, project source code via a version control platform (e.g., GitHub, GitLab).
- Deploy the application on a hosting platform.
- Submit assignment through the google form attached in the mail.

Note: Kindly submit the form only when your assignment is completed.

Assignment Description:

In this assignment, you will be tasked with building a simple Task Management Application that allows users to create, read, update, and delete tasks. This project will assess your proficiency in both front-end and back-end development skills. You are free to choose any technology stack you are comfortable with.

Assignment Requirements:

Front-end:

1. Create a user interface for the Task Management Application with the following features:
 - A landing page displaying a list of tasks.

- Ability for users to add new tasks with a title, description, and due date.
- Ability for users to view detailed information of each task.
- Option to edit existing tasks.
- Option to delete tasks.
- Responsive design to ensure usability on both desktop and mobile devices.

2. Use appropriate HTML, CSS, and JavaScript frameworks or libraries to implement the front-end functionalities.

Back-end:

1. Develop a RESTful API to handle CRUD operations for tasks.

2. Implement endpoints for the following functionalities:

- Retrieving all tasks.
- Creating a new task.
- Retrieving a single task by its ID.
- Updating an existing task.
- Deleting a task.

3. Use any server-side technology (Node.js, Python with Django/Flask, Ruby on Rails, etc.) to implement the back-end functionalities.

General Requirements:

1. Use version control (Git) to manage your project.
 2. Write clean and well-structured code with appropriate comments.
 3. Implement error handling for both front-end and back-end components.
 4. Include a README.md file with instructions on how to run the application locally.
 5. Deploy the application on a hosting platform (optional, but encouraged).
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