

Assignment: Building a Feature-rich Todo Application

Objective:

Create a Todo application showcasing your frontend and backend skills, as well as your ability to solve problems creatively. While Rust is not mandatory, its use is welcome if you are familiar with it. The primary focus should be on using Node.js or Python for the backend, and integrating it with a frontend developed in TypeScript, and Next.js as specified in the architectural design.

Requirements:

Frontend:

- **Technology Stack:** Javascript, TypeScript, ReactJs, Next.js 13, Tailwind CSS and Vanilla CSS.
- **Features:**
 - Responsive UI.
 - Real-time updates when a ToDo item is added, edited, or deleted.
 - User authentication using OAuth2/OpenID.
 - Error handling and user feedback.

Backend:

- **Technology Stack:** Node.js or Python.
- **Features:**
 - RESTful API or GraphQL to handle CRUD operations for ToDo items.
 - Real-time updates using Firebase notifications or an alternative real-time technology.
 - OAuth2/OpenID for secure user authentication.
 - Error handling and logging.

Additional Challenges (Optional):

- Integrate a third-party API to add a unique feature to the application.
- Implement background processing for a feature, for example, sending daily summary emails.
- Dockerise your application.

Evaluation Criteria:

- Problem-solving ability.
- Code quality, readability, and maintainability.
- Adherence to best practices in frontend and backend development.
- Effective use of version control.
- How well the application aligns with the specified architecture design.
- Bonus: Usage of Rust in any part of the project.

Submission:

- A repository link to your version-controlled codebase.
- A deployed version of the application.
- A brief document explaining your design choices and any challenges faced during development.

Duration:

- 72 Hours

This task is designed to evaluate a candidate's proficiency in the specified technologies, as well as their problem-solving skills, by not only implementing the core requirements but also potentially tackling additional challenges.

UX Design:

Use below US design for ToDo App:

1. Add Task should be in modal with required fields (Title, Status, Description, Start Date, End Date).
2. Give delete/edit option when we click on 3 dots.
3. Task will shift automatically changed
 1. Current date is less than start date then - In Complete
 2. Current date is between start & end date then - On Going
 3. Current date is less than end date then - Completed
4. No Need to apply drag & drop as mention in Framer.

My Task

You can organize, track, and complete your assignments efficiently.

+ Add Task

All Tasks Boards

Filter

Sort

In Completed

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Collage Assignment

Complete Presentation Slides

Create a comprehensive set of presentation slides for the upcoming team meeting. Include key points, visual aids, and relevant data.

26 - 30 November, 2023

Financial Records

Data Entry and Analysis

Enter and organize financial data into a spreadsheet. Perform basic data analysis to identify trends and discrepancies. Generate a summary report for review.

26 - 29 November, 2023

Copywriting

Product Launch

Write compelling copy for a client's upcoming

On Going

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Freelance Task

Graphic Design for Event Flyers



Create visually appealing event flyers for a community workshop. Incorporate relevant images, colors, and information to attract participants.

26 Nov - 2 Dec, 2023

Freelance Task

Social Media Campaign Strategy

Develop a social media campaign strategy for a client in the fashion industry. Identify target audiences, create engaging content, and plan the rollout of posts across various platforms.

Completed

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Collage Assignment

Academic Paper Editing

Edit and proofread an academic paper on psychological research. Ensure clarity, coherence, and adherence to academic writing standards.

24 - 26 November, 2023

Collage Assignment

Programming Assignment



Complete a Java programming assignment that involves implementing data structures and algorithms. Ensure code efficiency and document the solution thoroughly.