

Lead Full-Stack Developer - Technical

Objective

Build a basic service listing and booking platform.

You are tasked with building a basic service listing and booking platform backend using Node.js and Express.js, along with a simple frontend using React. The platform should allow users to view a list of services, view details of a service, and book an appointment for the selected service.

Requirements

1. Backend (Node.js and Express.js):
 - Set up a RESTful API to handle the following endpoints:
 - GET: /api/services - Retrieve a list of services.
 - GET: /api/services/:id - Retrieve details of a specific service.
 - POST: /api/bookings - Create a new booking for a service.
 - Use in-memory data (an array or object) to simulate a database of services and bookings.
 - Implement basic validation and error handling for the API.
2. Frontend (React or Angular):
 - Create a simple interface with a service listing page, a service detail page, and a booking form.
 - Fetch the list of services from the backend API and display them on the service listing page.
 - When a user clicks on a service, display its details on the service detail page.
 - Implement a basic booking form on the service detail page that sends a booking request to the backend API.

Instructions

- At the end of the one-hour time frame, please push your code to the GitHub repository we provided.
- Focus on simplicity and functionality over design and styling.
- You may use any additional npm packages or libraries as needed.
- Please share your screen during the call, and code directly in your preferred code editor or IDE.
- You can ask questions or seek clarification if needed. Feel free to discuss your thought process as you code.

Evaluation Metrics

- Correctly setting up the backend API with the required endpoints and in-memory data storage.
- Implementing the frontend interface as specified, fetching data from the backend API, and handling booking requests.
- Demonstrating clean and organized code, including proper error handling and validation.
- Ability to explain and discuss their code decisions during the review.

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