



Dear Concern,

We appreciate your interest in the position of React Full Stack Developer at our company. As part of our selection process, we would like to invite you to participate in a test that will assess your developer skills. Please find below the details of the test:

**Scenario:**

Build a full-stack **Task Management System** where users can create, update, and track tasks across projects.

**Tasks:**

**1. Frontend (React):**

- Create a responsive dashboard with Tailwind/Bootstrap.
- Components: Task List, Task Form, Task Status Filter.
- CRUD operations integrated with backend API.

**2. Backend (Node.js + Express):**

- REST API for **Task** model:
  - Fields: **title**, **description**, **status** (Pending, In Progress, Completed), **assignedUser**, **dueDate**
- Routes for Create, Read, Update, Delete.
- Connect API with MongoDB (or SQL).

**3. Authentication:**

- Implement JWT-based login.
- Only authenticated users can create/update tasks.

**4. Bonus:**

- Add search/filter tasks by status or due date.
- Add API documentation with Swagger.

**Instructions for Candidates:**

- You must submit your completed assignment by **5 October 2025, 6:00 PM**
- Ensure your code is clean, modular, and well-documented, following React, Node.js, and REST API best practices.
- Submit your code in GitHub repo/zip file + README with setup steps
- Optional: Deploy backend (Heroku) and frontend (Vercel)

Good luck with your development project, and we look forward to reviewing your assessment!

Best regards,  
Doin Tech Limited