

## **Assignment**

### **Position: Fullstack Develop**

#### **Required Tools:**

- **Back-end:** NestJS + Prisma
- **Front-end:** React.js
- **Submission Format:** Git Repository

#### **Task Description:**

Based on the [\[Reference Video\]](#), design an appropriate database schema and implement APIs to support the UI requirements effectively. After completing the development, summarize the system functionalities in a Word document, detailing the features and capabilities implemented.

#### **Requirements:**

- Design a database structure that efficiently supports the UI as demonstrated in the video.
- Implement backend APIs using NestJS and Prisma based on the database design.
- Develop the frontend interface using either React.js to consume the APIs and render the necessary components.
- Ensure proper API documentation and maintain clean, structured code following best practices.
- Upon completion, prepare a summary document (in Microsoft Word format) that explains the functionalities of the system, including an overview of the API endpoints and the supported user operations.

#### **Important Notes:**

- The project must be pushed to a Git repository for submission.
- Code readability, modular design, and adherence to software development standards will be evaluated.
- The final Word document should clearly articulate the system capabilities from both the backend and frontend perspectives.