

## **Full Stack Developer Intern Task**

### **Task Description:**

We are seeking a skilled React Full Stack Intern to join our team. The selected candidate will be tasked with designing an appealing user interface for a login and sign-up form. Additionally, they will be responsible for developing the necessary REST APIs to seamlessly connect with a MySQL database.

### **Task 1: Frontend Development**

Create captivating and responsive user interfaces for the login and sign-up forms using React. The UI should be visually appealing, intuitive, and include mandatory fields for both login and sign-up.

#### **Requirements:**

1. Login Form:
  - a. Username or Email (mandatory)
  - b. Password (mandatory)
2. Sign-Up Form:
  - a. Username (mandatory)
  - b. Email (mandatory)
  - c. Password (mandatory)
  - d. Confirm Password (mandatory)
3. Design Considerations:
  - a. Utilize Material-UI for building components and achieving a modern and visually appealing design.
  - b. Implement form validation for mandatory fields.

### **Task 2: Backend Development**

Develop RESTful APIs specifically for user authentication (login and sign-up) and connect them with a MySQL database.

#### **Requirements:**

1. REST APIs:
  - a. Create RESTful endpoints for user login and sign-up.
  - b. Utilize Express.js for the backend server.
2. Database Connectivity:
  - a. Establish connectivity between the APIs and a MySQL database to store user information.

- b. Ensure proper handling of user data, including password encryption.
- 3. Error Handling:
  - a. Implement error handling for various scenarios (e.g., invalid credentials, duplicate email during sign-up).

For further inspiration and guidance, refer to the [xlri.accredian.com](https://xlri.accredian.com)

**Submission Guidelines:**

1. After completing the above tasks add your code into 2 separate github repos named as Accredian-frontend-task and Accredian-backend-task.
2. Make Accredian-frontend-task repo code live on the Vercel/Netlify tools.(reference link: <https://vercel.com/docs/getting-started-with-vercel>)
3. Export Database file in .sql format.
4. Share the Github repos links, Frontend live url and db file in the below google form.

**Form link:** <https://forms.gle/k2v9Zg7z1MzUT2w5A>