Job Description : FullStack Developer (Fresher)

Technical Round Task: Simple Task Management Application

Objective:

Create a basic **Task Management** application using **React** for the frontend and **Ruby on Rails** for the backend. The goal is to demonstrate your ability to perform CRUD (Create, Read, Update, Delete) operations and connect a React frontend to a Rails API.

Requirements:

1. **Create a New Task:**
   ○ Users should be able to add a new task with a **title** and **description**.
2. **View All Tasks:**
   ○ Display all tasks in a list format showing only the **task title**.
3. **Edit a Task:**
   ○ Allow users to **edit** an existing task's **title** and **description**.
4. **Delete a Task:**
   ○ Implement a feature to **delete** any task from the list.

Technical Details:

1. **Backend (Ruby on Rails):**
   ○ Create a `Task` model with:
      ■ `title` (string)
      ■ `description` (text)
   ○ Implement the following **API routes**:
      ■ `GET /tasks` - Retrieve all tasks.
      ■ `POST /tasks` - Create a new task.
      ■ `PUT /tasks/:id` - Update a task by ID.
      ■ `DELETE /tasks/:id` - Delete a task by ID.
2. **Frontend (React):**
   ○ Use React to create a simple UI with:
      ■ **Input form** to add/edit tasks.
      ■ **List** to display all tasks.
      ■ **Buttons** for edit and delete actions.
   ○ Connect to the Rails API using **Axios** or the **Fetch API**.
3. **Bonus Points (Optional):**
   ○ Implement a search bar to filter tasks by title.
   ○ Add basic styling to make the UI more presentable.