React Intern Assessment

Objective:

Build a **To-Do List Application** using **ReactJS** that communicates with a given REST API. You are free to design the UI as per your creativity and preferences, but keep the user experience in mind.

Tech Stack:

- **Frontend**: ReactJS (Required)

- **Styling**: Any (e.g., Tailwind, CSS Modules, SCSS, Styled Components, etc.)

- **Routing**: Not required unless you choose to implement additional views

Features to Implement:

1. **Add New Task**

    - Title and description required

    - Optional: completed flag

2. **List All Tasks**

    - Display tasks fetched from the API

3. **Mark Task as Completed / Incomplete**

4. **Edit Existing Task**

5. **Delete Task**

UI Expectations:

- You're free to design the layout, colors, and structure.

- Your app should be mobile responsive.

- Try to maintain a clean, user-friendly UI.

Evaluation Criteria:

Criterion	Description
✅ Code Structure	Is the code organized, modular, and scalable?
✅ Reusability	Are components reusable and DRY (Don't Repeat Yourself)?

✅ Best Practices	Use of React best practices: hooks, separation of concerns, naming conventions, etc.
✅ Mobile Responsiveness	UI should adapt gracefully to mobile and desktop viewports
✅ Design Cleanliness	Clear layout, appropriate spacing, legibility, and intuitive UX

Bonus (Optional):

● Add filtering (e.g., All, Completed, Incomplete)

API Documentation:

You will be provided with a REST API for To-Do operations (GET, POST, PUT, DELETE). Please refer to the attached API documentation for endpoint structure and response formats.

✅ Ensure your app integrates with this API and performs real network calls.

React To-Do Assessment API Documentation

Base URL:

https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos

toDos Resource Fields:

- id (auto-id): Automatically generated by MockAPI

- title (string): Task title (required)

- description (text): Optional task details

- completed (boolean): Mark task as complete/incomplete (required)

- createdAt (date): Timestamp when the task was created (required)

API Endpoints:

GET https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos - Get all to-do

items

GET https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos/:id - Get

a single to-do item

POST https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos - Create a new to-do item

PUT https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos/:id - Update a to-do item

PATCH https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos/:id - Partially update a to-do item

DELETE https://6889c28c4c55d5c739536a40.mockapi.io/react-todo-assessment/toDos/:id - Delete a to-do item