

Topic : Delete Functionality

Assignment: Simple Task Manager

Scenario:

You are tasked with building a simple Task Manager application where users can view, add, and delete tasks.

The application will help you practice CRUD operations (specifically the Delete operation) in React with TypeScript.

Requirements:

➤ Project Setup:

- Create a new React project with a TypeScript template and name it TaskManager.
- Create a folder named components inside the src folder to store your components.

➤ Component Structure:

○ Create a TaskList Component:

- This component will receive a list of tasks as props and display them in a list format.
- Each task should be rendered with a "Delete" button next to it.
- When the "Delete" button is clicked, the task should be removed from the list.

○ Create a NewTask Component:

- This component will provide an input field for adding new tasks.
- When the user enters a task and clicks the "Add Task" button, the new task should be added to the list.

○ Create an App Component:

- This component will manage the state of the tasks (as an array).
- It will include both the TaskList and NewTask components.
- It will handle adding new tasks and deleting existing tasks.

Tasks:

1. Task List Rendering:

- The TaskList component will display each task with a delete button.
- Users can view all the tasks and delete them as needed.

2. Adding New Tasks:

- The NewTask component will allow users to add new tasks to the list.
- Once a task is added, it will be visible in the task list.

3. Deleting Tasks:

- The TaskList component should implement a delete function that allows users to remove tasks from the list.
- After clicking the "Delete" button next to a task, the task should disappear from the list.

4. Expected Outcome:

- A simple Task Manager application where users can:
 - Add new tasks using an input field and a button.
 - View a list of tasks, each with a delete button.
 - Delete tasks from the list by clicking the "Delete" button.
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