

Topic : CRUD Operations - POST Method

Assignment: Simple Contact Manager App

Scenario:

You are tasked with building a Contact Manager application where users can add new contacts using the POST method. This assignment will help you practice CRUD operations in React with TypeScript, specifically focusing on the POST method to create new data.

Requirements:

➤ Project Setup:

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

➤ API Setup:

- For this assignment, assume that the contact data will be submitted to a mock API (e.g., using jsonplaceholder.typicode.com for simplicity). You will use the POST method to add new contact data to this API.
- You won't be retrieving data from an actual API; instead, you'll simulate a POST request and add the contact data to the state of the application.

➤ Component Structure:

○ Create a NewContactForm Component:

- This component will contain a form with inputs for the following fields:
 - ✓ Name (text input)
 - ✓ Email (email input)
 - ✓ Phone (number input)
- The form will also include a "Submit" button.

- When the user fills out the form and clicks "Submit," a POST request should be simulated, and the new contact should be added to the list of contacts.
- Create a ContactList Component:
 - This component will display the list of contacts that have been added through the form.
 - Each contact should display the name, email, and phone number.

Tasks:

1. Adding New Contacts (POST Method):
 - When the user submits the form in the NewContactForm component, simulate a POST request by adding the new contact to the application's state.
 - Show a success message (e.g., "Contact added successfully!") after the contact is added.
 2. Displaying the Contact List:
 - After a new contact is added, it should appear in the ContactList component, which will display the list of all contacts.
 3. Mocking the POST Request:
 - Use fetch or axios to simulate a POST request when adding a new contact, but you can simply update the local state to store the new contact data.
- Expected Outcome:
- A simple Contact Manager application where users can:
 - Add new contacts through a form.
 - View the list of contacts after adding them.
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