Topic : CRUD - GET Method

Assignment: Simple Employee Management App

Scenario:

You are tasked with building a simple Employee Management application where users can view a list of employees.

This assignment will help you practice fetching data from an API (GET method) and rendering it using React with TypeScript.

Requirements:

- ➢ Project Setup:
- - Create a new React project with a TypeScript template and name it EmployeeApp.
- ➢ Component Structure:
- o Create an EmployeeList Component:
- - This component should fetch employee data from an API endpoint using the GET method.
- - Display the list of employees with their name, email, and position.
- o Create an App Component:
- - This component will render the EmployeeList component.
- ➢ API Details:
- - Use the following mock API to get the employee list:

  https://jsonplaceholder.typicode.com/users

  This API returns an array of user objects. You will use this to simulate fetching employee data.

Tasks:

1. Fetch Employee Data (GET Method):
- - In the EmployeeList component, make a GET request to the API using fetch or axios when the component mounts.
- - Store the employee data in the state.

2. Render Employee Data:

- Render the employee details (name, email, and company name) in a list format.
- For each employee, display the following:
  ✓ Name: From name
  ✓ Email: From email
  ✓ Position: Use company.name as the position (for simplicity).

3. Handle Loading and Errors:

- Display a "Loading..." message while the data is being fetched.
- Display an error message if the data fetch fails.

4. Expected Outcome:

- A simple Employee Management application where users can see a list of employees fetched from an API using the GET method.
- Proper error handling and loading states should be displayed.
