

Contact Form

Framework

React

Goal

Use TDD to build a simple contact form that handles user input, validates required fields, and submits data via a callback function.

Instructions

1. Write a test that renders the form and asserts that the input fields appear using `getByLabelText`.
2. Simulate typing into an input using `fireEvent.change`.
3. Write a test that submits the form with an empty field and expects an error message to appear.
4. Write a test that submits the form with valid data and verifies that `onSubmit` is called with the correct object.
5. Create a basic form using `useState` to track field values and show error messages for invalid submissions.
6. Clean up the form rendering logic once tests pass — remove duplication, isolate handlers, etc.

Tech & Tools

- React Testing Library + Jest
- `useState` for field management
- `fireEvent.change`, `fireEvent.submit`, `getByText`, `queryByText`

What to Test

- Input fields render with correct labels
- Typing updates internal state
- Empty field submission triggers error
- Valid submission calls `onSubmit` with correct data