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