

Contact Form

Framework

JavaScript

Goal

Use JavaScript and Jest in a TDD manner to build a 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 input fields are present
2. Simulate typing into inputs by setting `.value` and triggering input events
3. Write a test that submits the form with empty fields and expects error messages
4. Write a test that submits valid data and verifies the callback is called correctly
5. Create form validation logic that shows/hides error messages
6. Clean up validation and submission logic once tests pass

Tech & Tools

- Jest with DOM manipulation
- Form events: submit, input, change
- `dispatchEvent`, `preventDefault`
- DOM properties: `.value`, `.textContent`, `.hidden`

What to Test

- Form inputs render with correct labels and names
- Input validation triggers on form submission
- Error messages appear for empty required fields
- Valid form submission calls callback with correct data object
- Error messages clear when form becomes valid