SaveButton Component

Framework

React

Goal

Verify component behaviour using mock functions. Test that the component interacts correctly with a passed-in callback when a user performs an action.

Instructions

1. Create a simple component that takes a prop: onSave(value: string).
2. Write a test that renders the component and simulates a button click.
3. Use jest.fn() to mock onSave and pass it into the component.
4. Simulate entering a name into a text input and then clicking "Save".
5. Assert that the mock was called once and with the correct string value.
6. Test edge cases, e.g. submitting with an empty value should not call onSave.

Tech & Tools

- Jest mock functions (jest.fn())
- React Testing Library: fireEvent.change, fireEvent.click
- getByLabelText, getByText

What to Test

- Button click triggers onSave with correct value
- Mock function is only called when input is valid
- Input updates as expected
- Optional: form resets after submission