Modal Component

Framework

React

Goal

Use snapshot testing and interaction testing to validate that a modal component opens, closes, and renders its content conditionally.

Instructions

1. Start by writing a snapshot test of the modal in its closed and open states using asFragment() or toMatchSnapshot().
2. Write a test that clicks an "Open Modal" button and expects content to appear.
3. Add a "Close" button inside the modal and write a test to verify it removes the modal content when clicked.
4. Ensure tests simulate user behavior using fireEvent.click.
5. Consider using a prop like isOpen to toggle modal visibility, and onClose as a callback.
6. Clean up by testing modal accessibility: check for role="dialog" or aria-modal.

Tech & Tools

- React Testing Library + Jest
- fireEvent.click, getByRole, queryByText
- Snapshot testing with asFragment() or toMatchSnapshot()

What to Test

- Modal is hidden by default
- Clicking "Open" button displays modal
- Clicking "Close" hides modal
- Snapshot reflects correct DOM structure in both states