

# SaveButton Component

## Framework

JavaScript

## Goal

Create a JavaScript app in a TDD manner that uses Jest and mock functions to verify component behaviour when interacting with callback functions.

## Instructions

1. Create a save button component that accepts an onSave callback function
2. Write a test that simulates entering text and clicking save
3. Use `jest.fn()` to mock the onSave callback and verify it's called correctly
4. Test that clicking save with empty input does NOT call the callback
5. Implement validation logic that only calls onSave with valid input
6. Test edge cases like whitespace-only input

## Tech & Tools

- Jest mock functions (`jest.fn()`)
- DOM events: click, input
- Input validation with `.value.trim()`
- Event handling with `addEventListener`

## What to Test

- Button click with valid input calls onSave with correct value
- Button click with empty/invalid input does NOT call onSave
- Input field updates correctly as user types
- Optional: input clears after successful save