

# Stepper Component

## Framework

JavaScript

## Goal

Use JavaScript and Jest with a TDD approach (Red → Green → Refactor) to build a small, self-contained counter component that adjusts by a custom step value.

## Instructions

1. **Red:** Write a failing test for the initial counter value (0) displayed in the DOM
2. Add increment/decrement buttons that update the counter display
3. Add support for a configurable step value (default: 1, configurable via data attribute)
4. Write tests that simulate button clicks and verify DOM updates
5. **Green:** Implement only enough code to pass the current failing test
6. **Refactor:** Clean up event handling and DOM manipulation after tests pass.

## Tech & Tools

- npm
- Jest with jsdom environment
- addEventListener, click(), textContent
- DOM manipulation: getElementById, querySelector

## What to Test

- Initial counter displays 0
- Clicking "+" button increases counter by step value
- Clicking "-" button decreases counter by step value
- Custom step values work correctly (e.g., step="5")