StepperComponent

## Framework

Angular

# Goal

Use the TDD cycle (Red → Green → Refactor) to build a component that increments and decrements a counter by a configurable step value.

# Instructions

1. **Red**: Write a test using Jest and TestBed to confirm that the component renders with an initial value of 0.
2. Add two buttons to the template: + and –.
3. Write a test to simulate button clicks and assert that the counter updates.
4. Add an @Input() step: number = 1 and write a test for a non-default step value (e.g. step="5").
5. **Green**: Implement only enough logic to pass each test before moving to the next.
6. **Refactor:** Clean repeated logic into clear methods (increment, decrement) once the tests are passing.

# Tech & Tools

* Angular CLI component (or inline if preferred)
* Jest and Angular Testing Library or native
* DOM access TestBed, ComponentFixture, detectChanges

# What to Test

* Initial state is 0
* Clicking “+” button increases by step
* Clicking “–” button decreases by step
* Default step is 1, but custom step can be passed