ModalComponent

## Framework

Angular

# Goal

Test a modal component using TDD. The modal should toggle visibility based on an @Input() flag and emit an event when closed.

# Instructions

1. Write a test that passes isOpen=true and asserts that the modal content is rendered.
2. Add a close button that emits a @Output() event (e.g. onClose) and write a test to verify the event is emitted on click.
3. Write a test for the closed state (isOpen=false) and ensure no modal content is present.
4. Use fixture.nativeElement.querySelector to access elements, and jest.spyOn() to assert on event emission.
5. Ensure DOM is updated after actions with fixture.detectChanges().
6. Optionally test for accessibility attributes (role="dialog", aria-hidden, etc.).

# Tech & Tools

* Angular CLI component
* Jest and Angular TestBed
* ComponentFixture, @Input, @Output, EventEmitter

# What to Test

* Modal content is visible when isOpen is true
* Modal is hidden when isOpen is false
* Clicking the close button emits a close event
* No content is rendered when the modal is closed