

Jasmine Marbles

- Visual testing for observables
- “-” equals 10sec of time, “a” = emit, “|” complete, “#” is an error.
- ex: — — — = observable.never
- ex: —(ab)—| = 30ms, emit a&b, 20ms, complete.
- flush() = runs the sequence. → always flush at the end of the test.
- Setup: jasmine-marbles

Angular Testing Library

- Create component fixtures quickly
- Magically mock out dependencies
- TestBed.configureTestingModule({imports: [NoopAnimationsModule ← disables animations], ...}) createComponentFixture ← similar to the test bed.
 - Rather than inject, use TestBed.get() - I’m doing this today.
- Examples: NgRx Sample Book App in GitHub

JEST Test Runner

- Benefits:
 - Easy to setup, VERY fast
 - `npm install jest-preset-angular`
 - VERY nice output :)
 - Snapshot testing - lets you automate creating assertions.
 - writes out a good snapshot to GIT
 - `expect(state).toMatchShapshot()`.
- Cons:
 - Trust, but verify snapshots.
 - No way to log that the snapshots were verified
 - VSCode plugin snapshottools