

Angular Testing

Vancouver Angular 2+ Meetup #3

April 20, 2018

Credits

- <https://github.com/mgechev/angular-seed>

Angular CLI

- `ng test` — Jasmine test framework + Karma test runner
- `ng e2e` — Protractor

Jasmine

- “Behaviour-Driven development framework for testing JavaScript code”. [1]
- “It does not require a DOM”. [1]

[1] <https://jasmine.github.io>

Karma

- “A simple tool that allows you to execute JavaScript code in multiple real browsers.” [1]
- “Karma is not a testing framework, nor an assertion library. Karma just launches an HTTP server, and generates the test runner HTML file you probably already know from your favourite testing framework.” [1]

[1] <http://karma-runner.github.io/2.0/index.html>

Protractor

- “Protractor runs tests against your application running in a real browser, interacting with it as a user would.” [1]

[1] <http://www.protractortest.org/#/>

ng test

ng test

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▲ e2e

TS app.e2e-spec.ts

TS app.po.ts

{ } tsconfig.e2e.json

▸ node_modules

▲ src

▲ app

app.component.css

<> app.component.html

TS app.component.spec.ts



Code demo

ng e2e

ng e2e

- Protractor
- High-level testing of your code

ng e2e

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Code demo

See also

- cypress.io — complete end-to-end testing experience. Used in mgechev/angular-seed instead of Protractor. Will experiment with this.

That's it!

- Questions?
- Feedback?
- Criticism?
- Feelings?
- Observations?
- Musings?