Protractor

Why is testing so important?

- Testing is about gaining confidence that your code does what you think it should do.

  - How would the users see my application?
  - Is my backend communicating with my frontend?
  - Can I release this code?
  - It does NOT replace Unit Testing!
  - But, it's hard to keep the tests up-to-date.

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Introduction

- An end-to-end test framework for AngularJS applications.
- Runs tests against the application, running in a real browser.
- Based on Jasmine & Selenium.
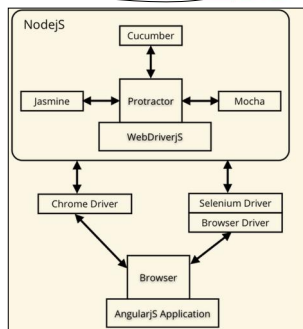 - So, tests the app like a real user.
  - Can handle async operations.

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Protractor

- Has the following components:

  - Testing system (NodeJS, Java, etc)
  - Webdriver (a.k.a. Selenium)
  - The AngularJS App under test.

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Protractor

Setup

>> npm install -g protractor

>> protractor --version

>> webdriver-manager   update

>> webdriver-manager   start

To see the status of the server, run:

http://localhost:4444/wd/hub.

Tests

❧Test structure:
- ❧describe
- ❧it

❧Create the test dir & *cd* into that dir in another cmd window.

❧Create the *spec.js*

❧Create the *conf.js* file

❧ To run the test:

  >>   protractor   *conf.js*