08

Angular Testing

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* **Unit Testing**
* **E2E Testing**

**Unit Testing**

* Angular Unit testing is the process of testing small and isolated pieces of code in your Angular application.
* Focus is on task level testing.
* Provides input and verifies output for smaller sample.
* Frameworks are used Jasmine and Karma

ng test

ng e2e

ng test --code-coverage

ng test --skip-tests

Jasmine

describe: A test suit begins with a call to the global jasmine

function describe with two parameters: a string and a function.

Specs: Specs are defined by calling the global function it.

Expect: Expectation are built with the function expect wich takes a value

called the actual

Matcher : it is chained with a Matcher function, which takes the expected

value.

**Understand Default Spec**

1. TestBed,Async - Import from built-in modules
2. Importing Required modules
3. BeforeEach Methods
4. TestBed.configureTestingModule({
   * This is same as configuring a module})

**AAA**

End to End Testing

* tests on Angular applications that are running in a real browser by interacting with it, like that of an end-user.
* Helps in building automated test suites when the application or product size grows.
* Protractor framework is used for End-to-End Testing
* BDD Framework like Cucumber are also used for testing the functional flow.