

test everything
or JFTI

jden

2014-5-20

“but testing is dead”

no it's not

learning objectives

- Why test?
- Basic testing method
- Let's write a test!
- But browsers!

Why test?

- Confidence in your code
- Make changes without fear
- Easier for others to understand what you've built

Basic testing method

- Arrange
- Act
- Assert
 - Or
- Given
- When
- Then

Example

- Given
 - Jeremia is a Person
 - This Restaurant serves pizza
- When
 - Jeremia eats at This Restaurant
- Then
 - Jeremia will be happy


```
describe('Jeremia likes pizza', function () {  
    it('should make him happy when restaurants serve pizza',  
function () {  
      
        var person = new Jeremia()  
        var restaurant = new Restaurant({  
            menu: ['pizza']  
        })  
        dineAt(restaurant, person)  
        person.isHappy.should.equal(true)  
    })  
})
```

Let's write a test!

- Download Node.js
- Create a new folder
- Install mocha & chai
- Create 2 new files: app.js and test.js

...but browsers!

- We want to be able to test our code in browsers
 - For the users!
- Doing it manually is teh suck
- Let's have a robot do it for us

tools

- Node - <http://nodejs.org/>
- Mocha - <http://visionmedia.github.io/mocha/>
- Chai - <http://chaijs.com/>
- Sinon - <http://sinonjs.org/>
- Karma - <http://karma-runner.github.io/0.12/index.html>