

Testing your Javascript isn't magic!

Harold Pulcher

pulcher@pulcher.biz

<http://pulcher.biz>

<https://github.com/pulcher/jmagic>





Become a Windows Insider!

<https://insider.windows.com/>

TITANIUM SPONSORS



Platinum Sponsors



Gold Sponsors



Why this talk?

- Javascript is a first class citizen
- Tons of Misconceptions
- Show how hard this isn't

Today's Menu

- Why do we test?
- My Sandbox
- Server side
- Client side

Show me
where on the
Doll
Javascript
has touched
you.



Why do we test?

“The act of writing a unit test is more an act of design than of verification.

It is also more an act of documentation than of verification. The act of writing a unit test closes a remarkable number of feedback loops, the least of which is the one pertaining to verification of function”

–Martin Fowler

Why do we really test?

“All software is tested. It is just a matter of where.”

—Richard Campbell
(at least that is where I heard it)

Why do we really test?

- Prevents the “Works on my machine” error
- Provides developer confidence
- Just how fragile(crappy) is your code?
- Better written code



sirenofshame.com

Why do we really test?

Speed is just a test away!



Alex Shchepetilnikov

@irqed

 Follow

99 little bugs in the code
99 little bugs in the code
Take one down, patch it around
117 little bugs in the code

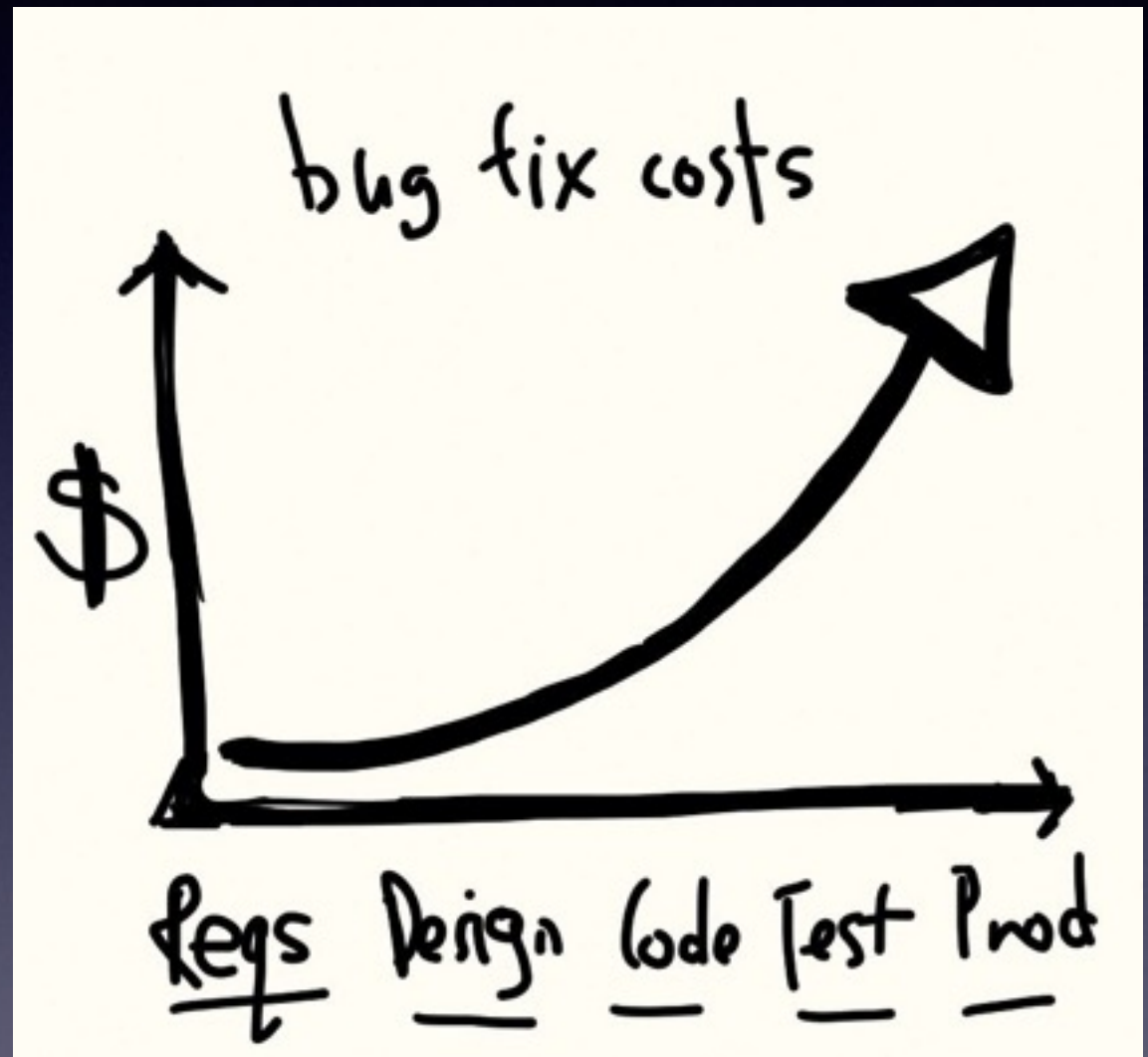
Why do we really test?

Because you sleep!

<demo time>

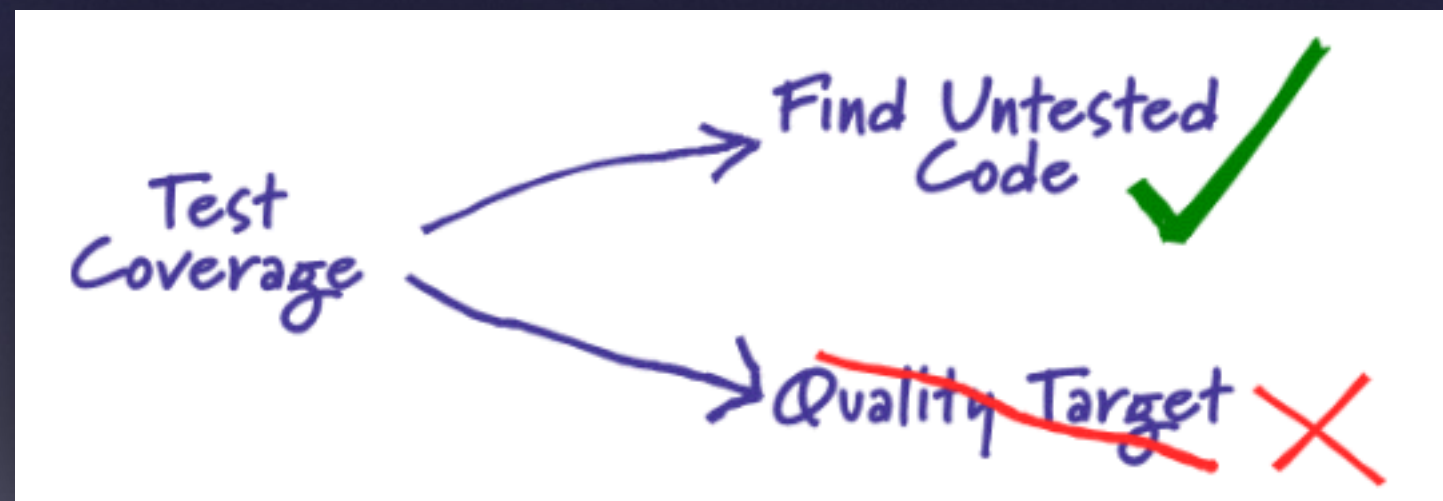
When should you write a test?

- Every bug
- Edge cases
- Complicated features
- To learn



and...

Because someone wants a metric!



—Martin Fowler

My sandbox

- Node
- Grunt/Gulp + cli
- Bower
- Ubuntu 14.04 LTS
- Git
- Yeomen

<demo time>

Server side

- Mocha
- Istanbul

<demo time>

Client Side

- Karma
- Jasmine
- Protractor
- Casper
- Phantom

<demo time>

Links

- <http://nodejs.org/>
- <http://yeoman.io>
- [http://gruntjs.com/
getting-started](http://gruntjs.com/getting-started)
- <http://gulpjs.com/>
- <http://mochajs.org/>
- <http://chaijs.com/>

Links

- <https://babeljs.io/>
- <https://github.com/gotwarlost/istanbul>
- <http://karma-runner.github.io/>
- <https://github.com/angular/protractor>
- <http://casperjs.org/>
- <http://phantomjs.org/>