

Testing Clientside JavaScript

Testing Utilities

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pluralsight 
hardcore developer training

Agenda

- Live Reload
- Karma
- Grunt

Live Reload

- **Refreshes the browser on file change**
 - HTML
 - CSS
 - JS
 - CoffeeScript
 - SASS/LESS
- **livereload.com**
- **Install:**
 - Mac: Mac App Store \$9.99
 - Windows: download from livereload.com
- **Browser Extension**

Karma

- Built by Google
- Renamed from Testacular
- Built on Node.js
- Run tests in multiple browsers
- For testing only
- Fast
- Supports QUnit, Jasmine, Mocha
- Supports CI

Installing Karma

- Install with npm

```
npm install -g Karma
```

CHROME_BIN

C:\Program Files (x86)\Google\Chrome\Application
\chrome.exe

FIREFOX_BIN

C:\Program Files (x86)\Mozilla Firefox\firefox.exe

Grunt

- **“Task-based command line build tool for JavaScript projects”**
- **Created by Ben Alman - @cowboy**
- **Built on Node**
- **Comprehensive and robust**
- **Version 0.4**
- **Many plugins are still being stabilized**
- **Subject to change**

Grunt Features

- Running tests in Jasmine, Mocha, Qunit
- Linting files
- Watching files

Grunt Installation

- Installed through NPM

Testing with Grunt

- Simple way to run tests
- Works with Jasmine, QUnit, and Mocha

Linting

- **Finds problems in JavaScript Files**
 - Syntax
 - Style
 - Code Smells

Summary

- Live Reload
- Karma
- Grunt