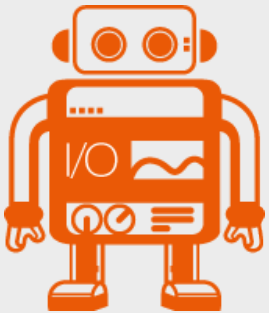




MEDALLIA



WEBDRIVER I/O Workshop

Gerardo Argiz

About me

- Software Test Engineer at Medallia
- Developer specialized in testing. Manager hands on
 - 15+ working in testing
- Geek and Tech passionate
- Selenium since many years
- C++, Java, Ruby, Python, Javascript



AGENDA

- 1 What webdriverIO is ?
- 2 Key Features
- 3 Starting from scratch
- 4 WebPage Testing
- 5 Exploring Results
- 6 Mobile
- 7 Visual Regression
- 8 Other Topics



1 What is webdriverIO

- WebdriverIO is an open source testing utility for nodejs.
- WebdriverIO lets you control a browser or a mobile application with just a few lines of code.
- Integrated with your favorite BDD or TDD test framework.
- Sends requests to a Selenium server via the [WebDriver Protocol](#)

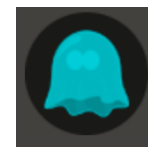


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Key Features

Features

- Integration with major frameworks
- Simple and Intuitive API
- Run Mobile and Web
- Built in reporting
- Support for Page Object Patter
- Test Cloud services integration



Starting from scratch

Starting

- Install webdriver
- Setup
- Review configuration file
 - Overall structure
 - Tests locations
 - Capabilities
 - Sync (true by default)
 - Browser clients
 - Mobile/WEB
 - Assertion framework
 - Reports
 - Browser Object

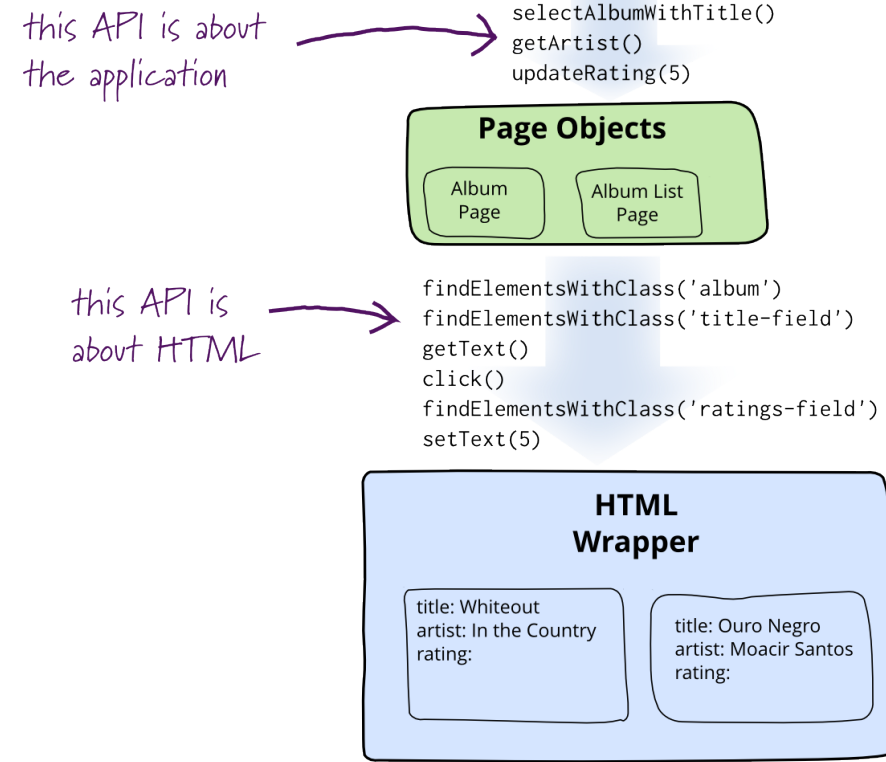
```
// },  
//  
// Test runner services  
// Services take over a specific job you don't want to take care of  
// your test setup with almost no effort. Unlike plugins, they don't  
// commands. Instead, they hook themselves up into the test process.  
services: ['selenium-standalone'],  
//  
// Framework you want to run your specs with.  
// The following are supported: Mocha, Jasmine, and Cucumber  
// see also: http://webdriver.io/guide/testrunner/frameworks.html  
//  
// Make sure you have the wdio adapter package for the specific framework  
// before running any tests.  
framework: 'mocha',  
//  
// Test reporter for stdout.  
// The only one supported by default is 'dot'  
// see also: http://webdriver.io/guide/reporters/dot.html  
reporters: ['junit', 'allure'],  
  
//  
// Options to be passed to Mocha.  
// See the full list at http://mochajs.org/
```



WebPage Testing

Ex 1

- First Test
- Page Object Model
- Take Screenshot
 - From test
 - Hook configuration



Source <https://martinfowler.com/bliki/PageObject.html>

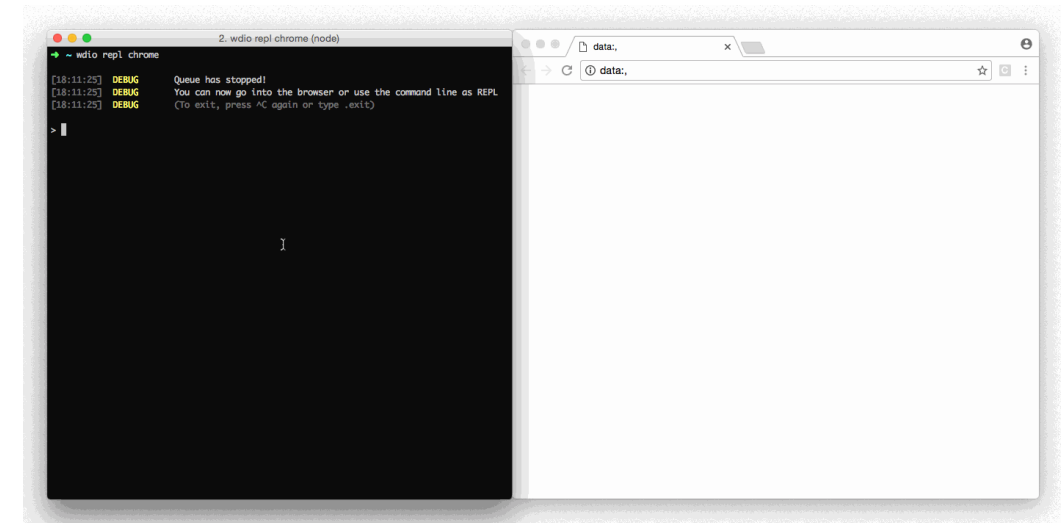
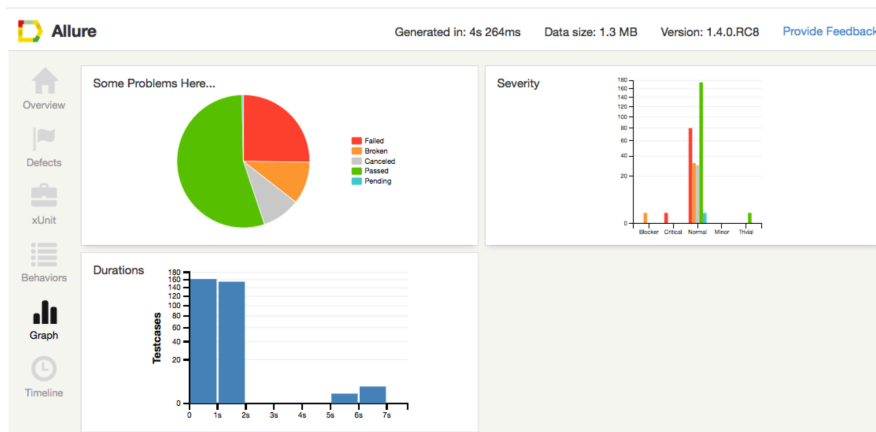


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Exploring Results

Ex 2

- REPL Interface
- Second Test
- Multibrowser
- Export Results

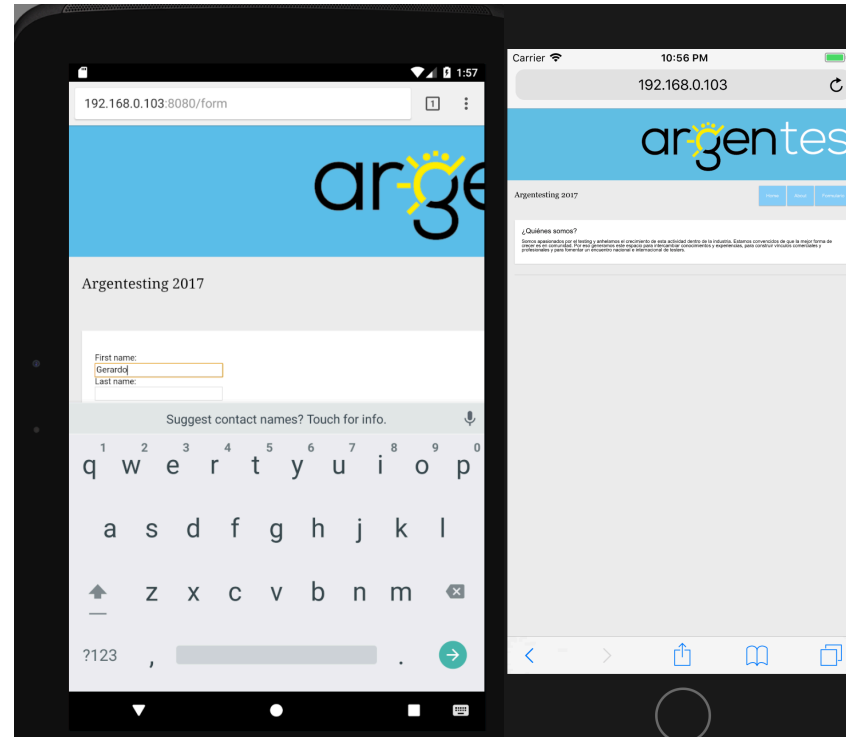


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Mobile Testing

Demo 1

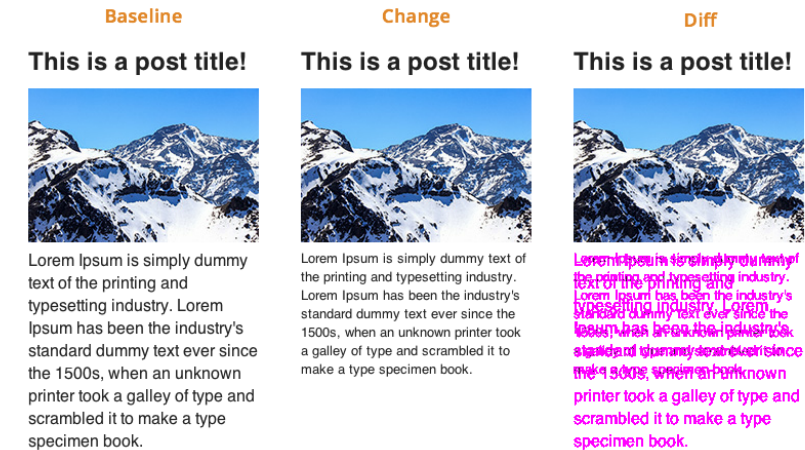
- Mobile Testing
 - Iphone
 - Android



Visual Regression

Ex 3

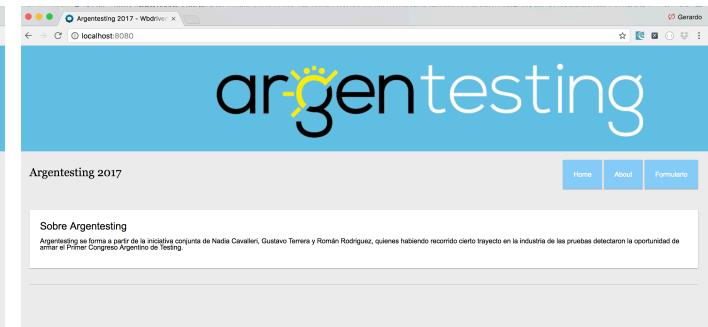
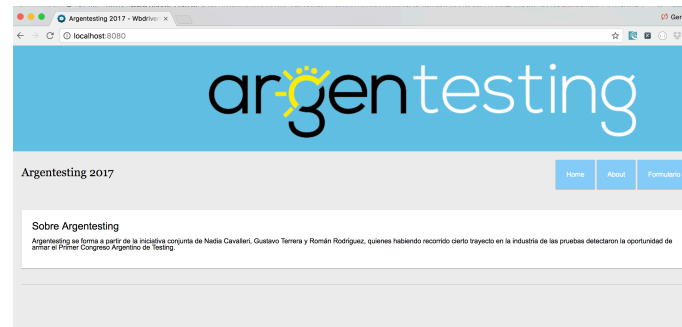
- Visual Testing
 - Concept
 - Pros/Cons
 - When



Other topics

Demo 2

- Parallel Runs
- Retry Flaky Tests
- Gulp Integration



We are almost done...

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