

Introduction to Testing Any Site With Cucumber and Selenium

Chris Johnson

@johnsonch / chris@johnsonch.com

<http://spkr8.com/t/6993>

Zombies



Survival Plan



Survival Plan

1. Cardio



Survival Plan

1. Cardio
2. The Double Tap



Survival Plan

1. Cardio
2. The Double Tap
3. Weapons



Survival Plan

1. Cardio
2. The Double Tap
3. Weapons
4. Helga



Survival Plan

1. Cardio
2. The Double Tap
3. Weapons
4. Helga
5. Costco / Sam's Club



Helga



Meet Here



Why Automate Testing?

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- * Saves Time and Money

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Behavior Driven Development

- * BDD is a second-generation, outside-in, pull-based, multiple-stakeholder, multiple-scale, high-automation, agile methodology. It describes a cycle of interactions with well-defined outputs, resulting in the delivery of working, tested software that matters.

Cucumber



*behaviour driven development
with elegance and joy*

The
Pragmatic
Programmers

The RSpec Book

Behaviour-Driven Development
with RSpec, Cucumber,
and Friends



David Chelimsky
with Dave Astels,
Zach Dennis,
Aslak Hellesøy,
Bryan Helmkamp,
and Dan North

Foreword by Robert C. Martin
(Uncle Bob)

Edited by Jacqueline Carter

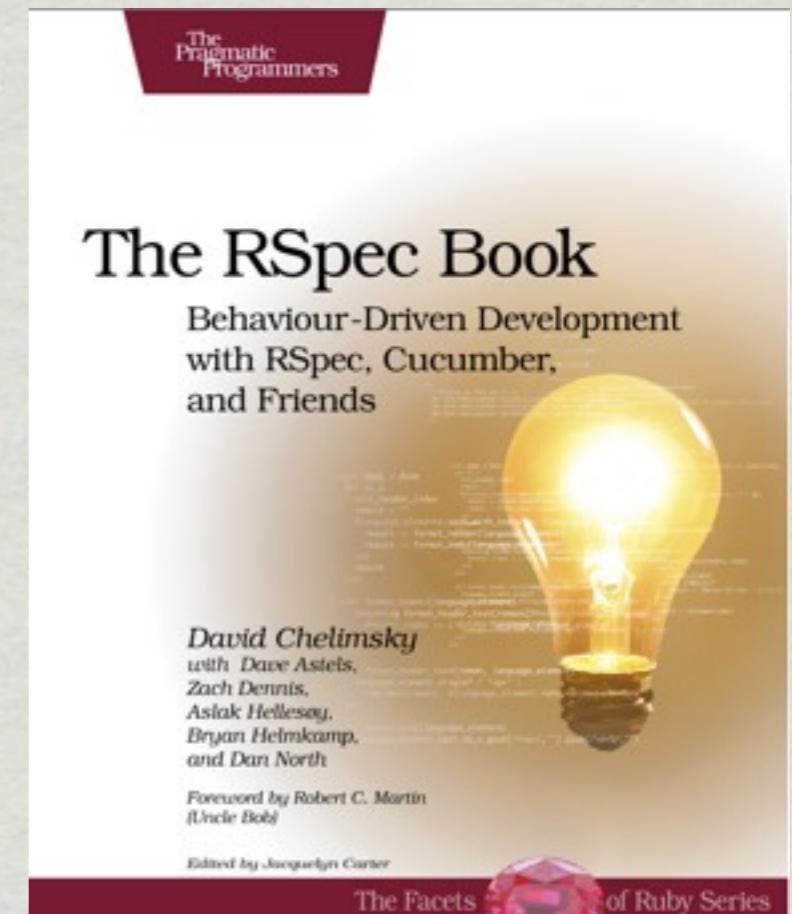
The Facets of Ruby Series

Cucumber



*behaviour driven development
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- * Cucumber lets software development teams describe how software should behave in plain text.

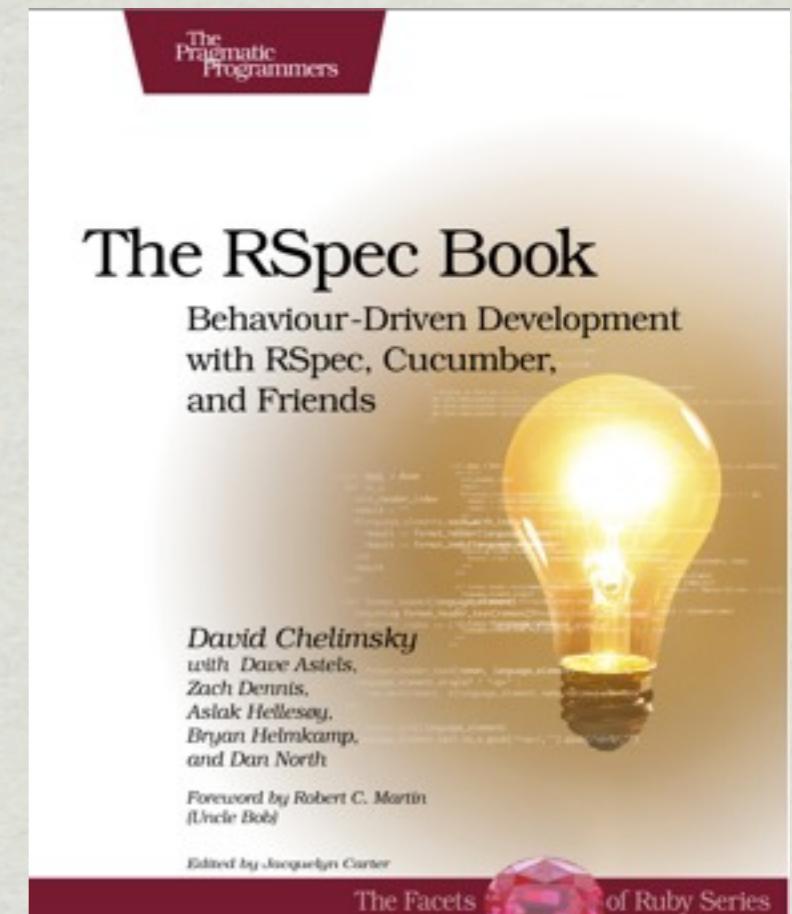


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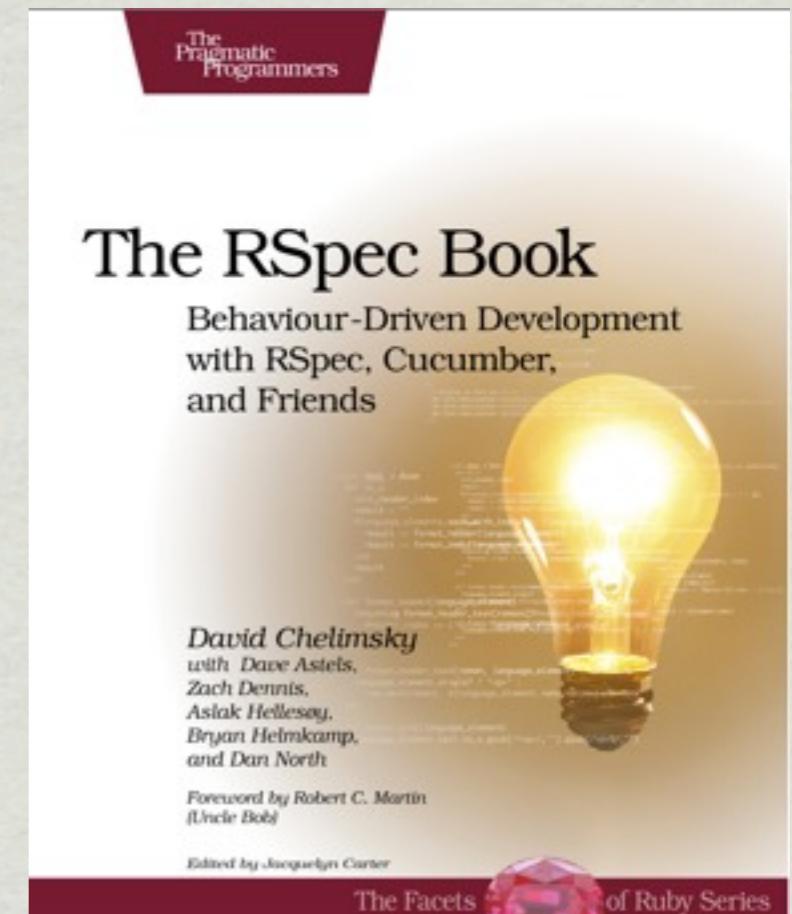


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- 1. DESCRIBE A BEHAVIOR IN ENGLISH**
- 2. WRITE A STEP DEFINITION IN RUBY**
- 3. WATCH IT RUN AND FAIL**
- 4. WRITE THE CODE TO MAKE THE STEP PASS**
- 5. WATCH IT RUN AND PASS**
- 6. REPEAT STEPS 2-5 UNTIL ALL STEPS ARE IMPLEMENTED**

Selenium



Selenium



- * Selenium is a suite of tools for specifically testing web applications.

Selenium



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- * Allows you to automate browser testing

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- * <http://seleniumhq.org>

Ways to run Selenium



Ways to run Selenium

- * Locally



Ways to run Selenium

- * Locally
- * Your own farm



Ways to run Selenium

- * Locally
- * Your own farm
- * Sauce Labs



Selenium IDE

Firefox Plugin



Records and plays back tests in Firefox; a great way to get started writing tests.

Selenium IDE allows you export your tests to many programming languages, (including Ruby, PHP, Java, perl, C#, and Python) so you can tweak your tests and even put them into your existing testing framework.

Your tests

Your tests are made of a series of Selenium commands, which are sent to the Selenium Remote Control server or the Selenium Grid server.

Selenium Remote Control

Java-based command line server



Selenium Remote Control starts up browsers (one at a time) and then runs commands you pass along from your tests

Selenium Grid

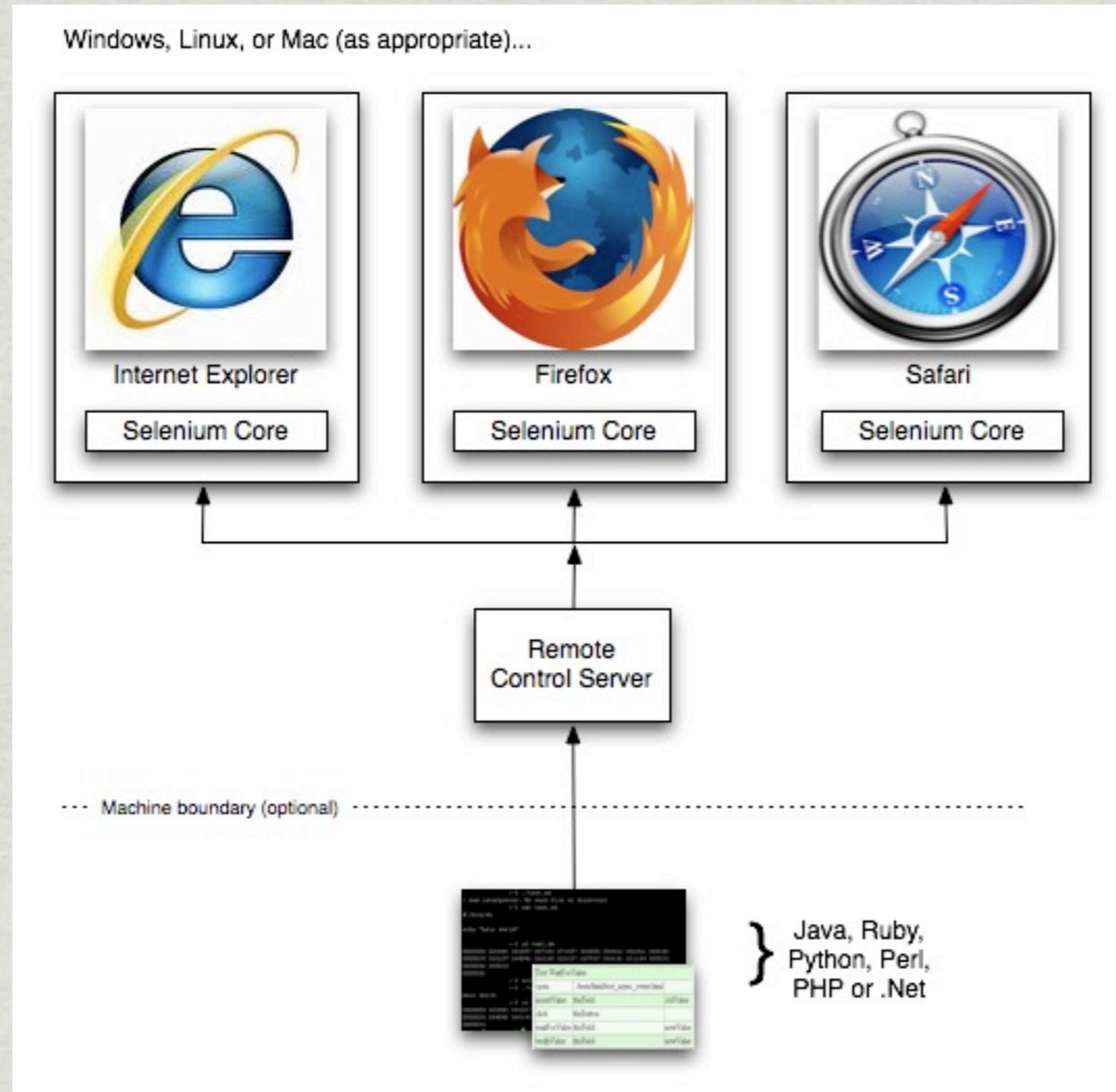
Java-based command line server



Selenium Grid coordinates multiple Selenium Remote Control servers so you can run tests on lots of platforms at the same time, which saves lots of time and allows wider testing.



Running Locally

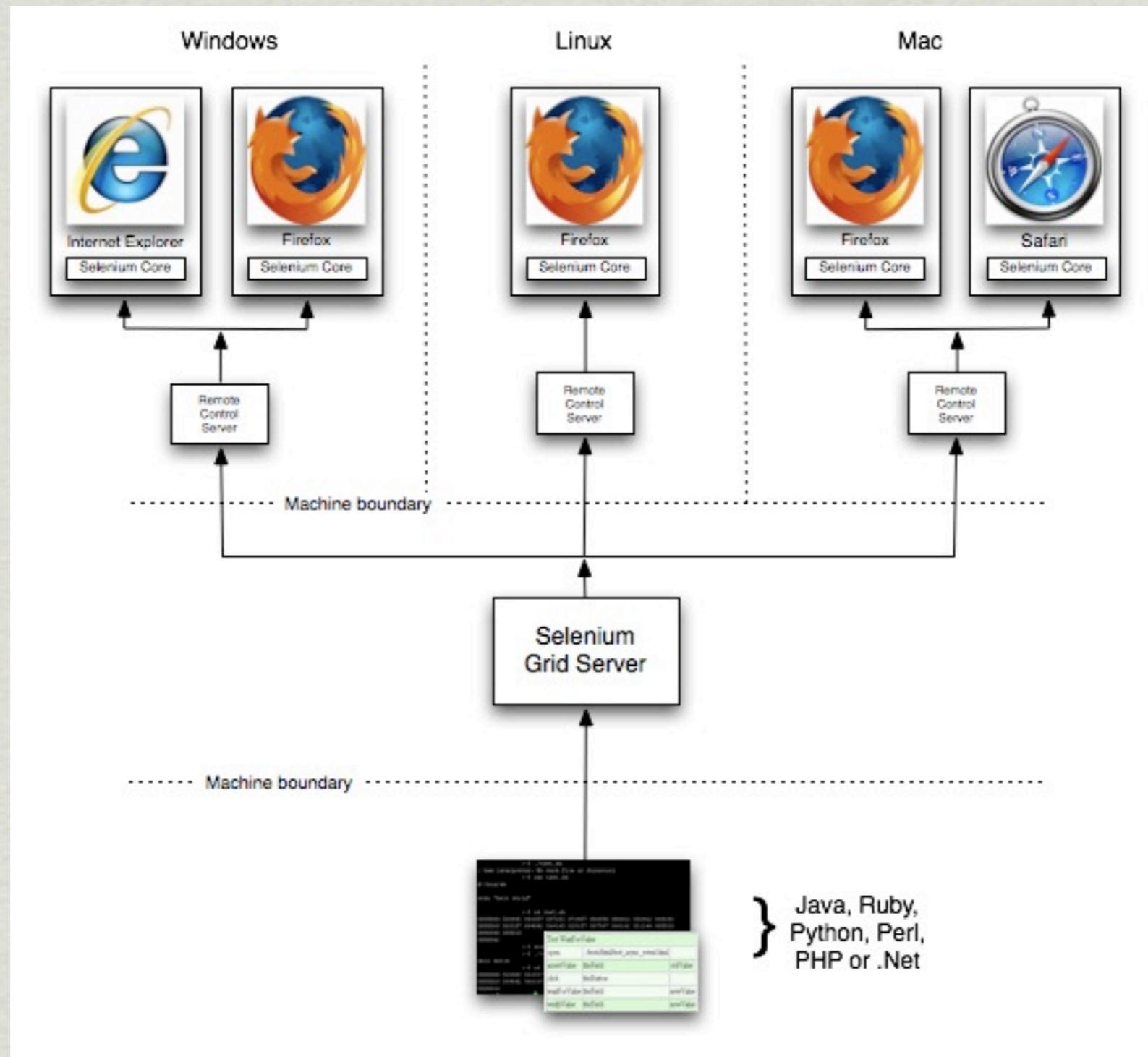


Examples

To The Code!



Selenium Farm



Sauce Labs

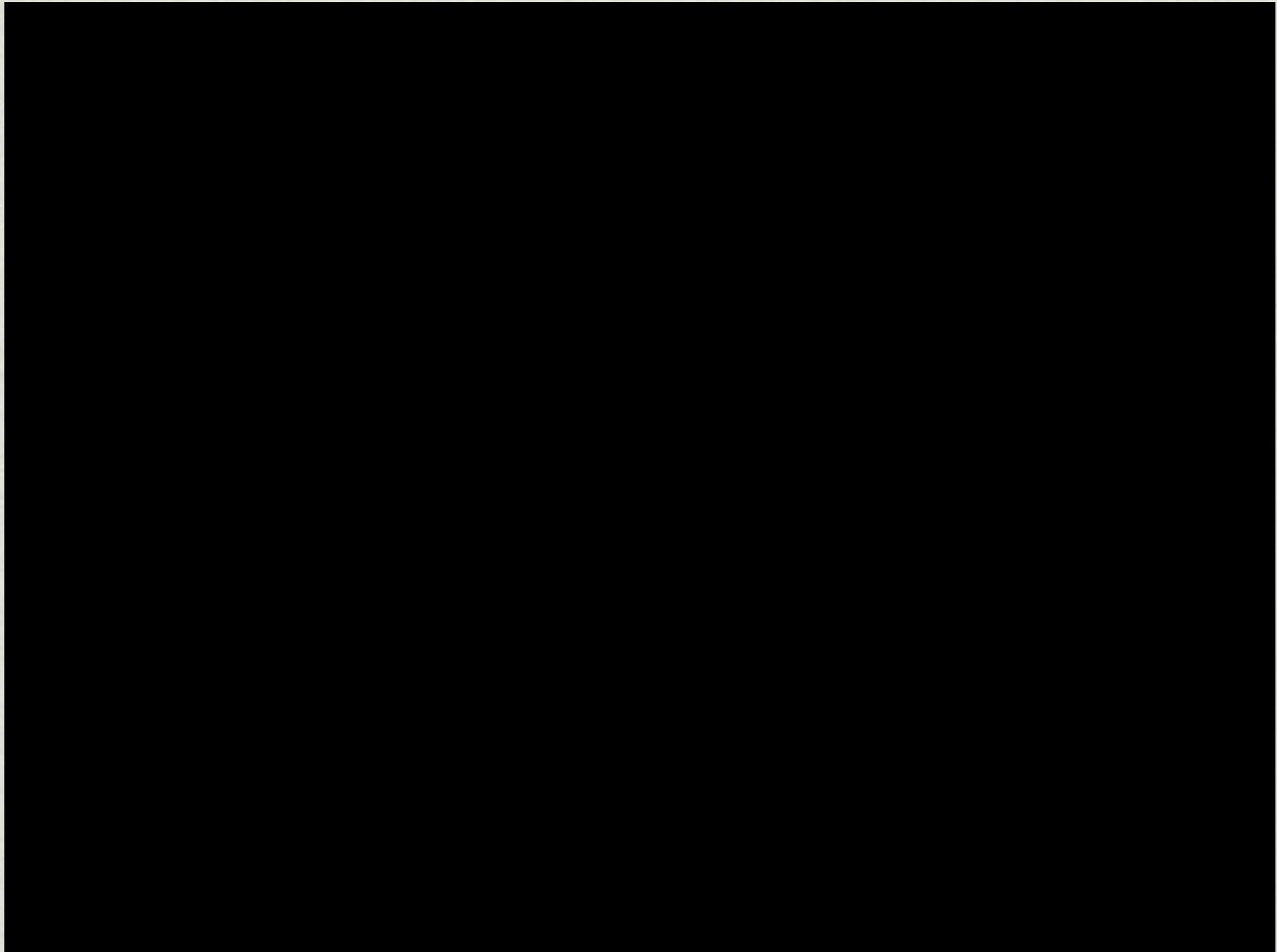


- * Cloud based Selenium Testing
- * Parallel Cross Browser Testing
- * Sauce TV
- * Screen Shots
- * Sauce Connect

Sauce Labs



Sauce Labs



Examples

To The Code!



Sauce Connect



Sauce Connect

- * Allows you to test internal applications



Sauce Connect



- * Allows you to test internal applications
- * Creates a tunnel with hosts names and ports specified

Tangent

smithmgt.graffie
New Building

Edited by Chris Johnson
On Wed Jun 09 2010
On Sat Feb 12 2011

<http://www.smithmgt.com>

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Resident Services Link Text Link Text Link Text Link Text

General Information Link Text Link Text Link Text

Why Smith Management

New Building

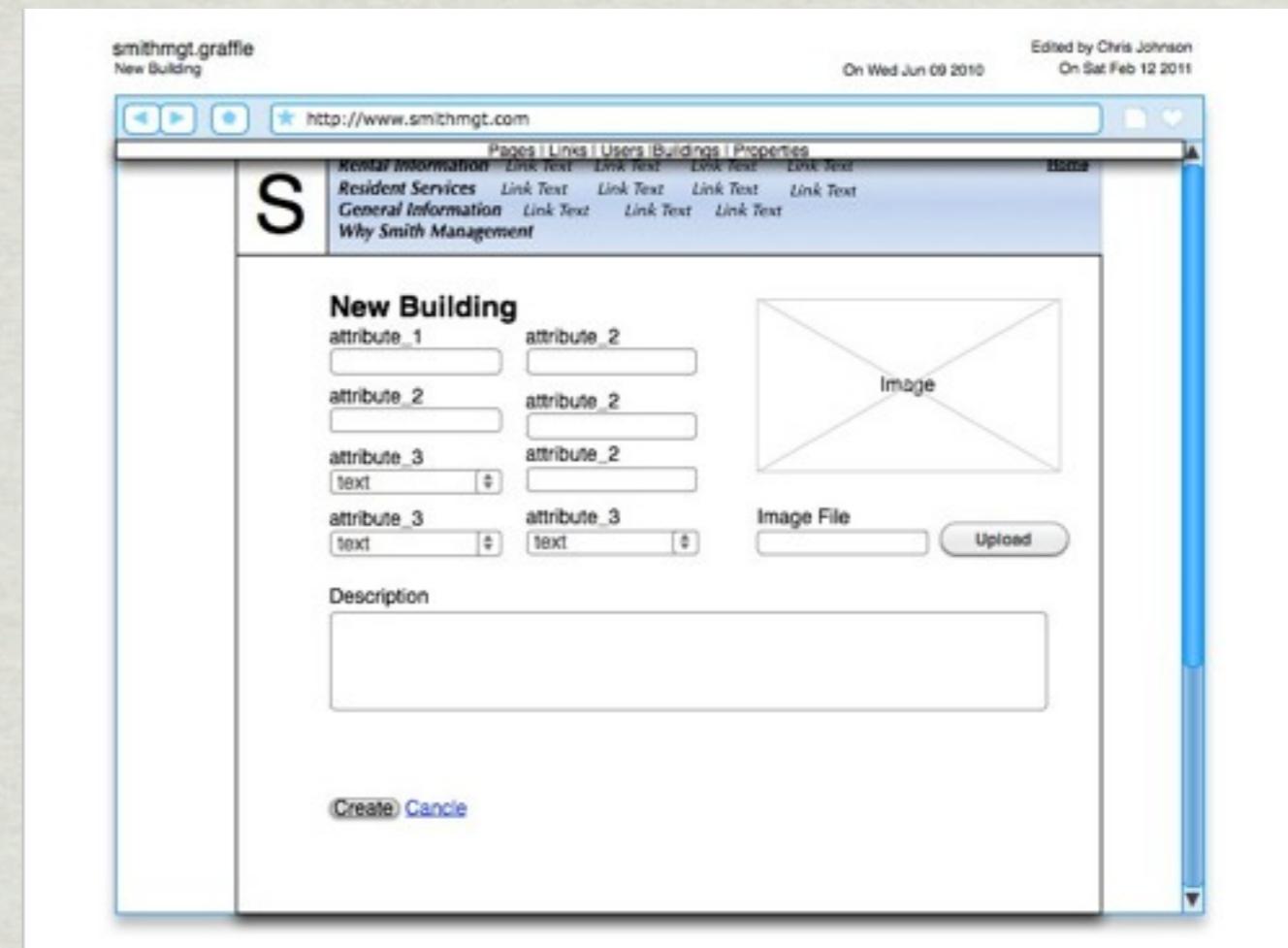
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Image

Image File Upload

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Tangent

- ✳ BDD From wireframe to completion

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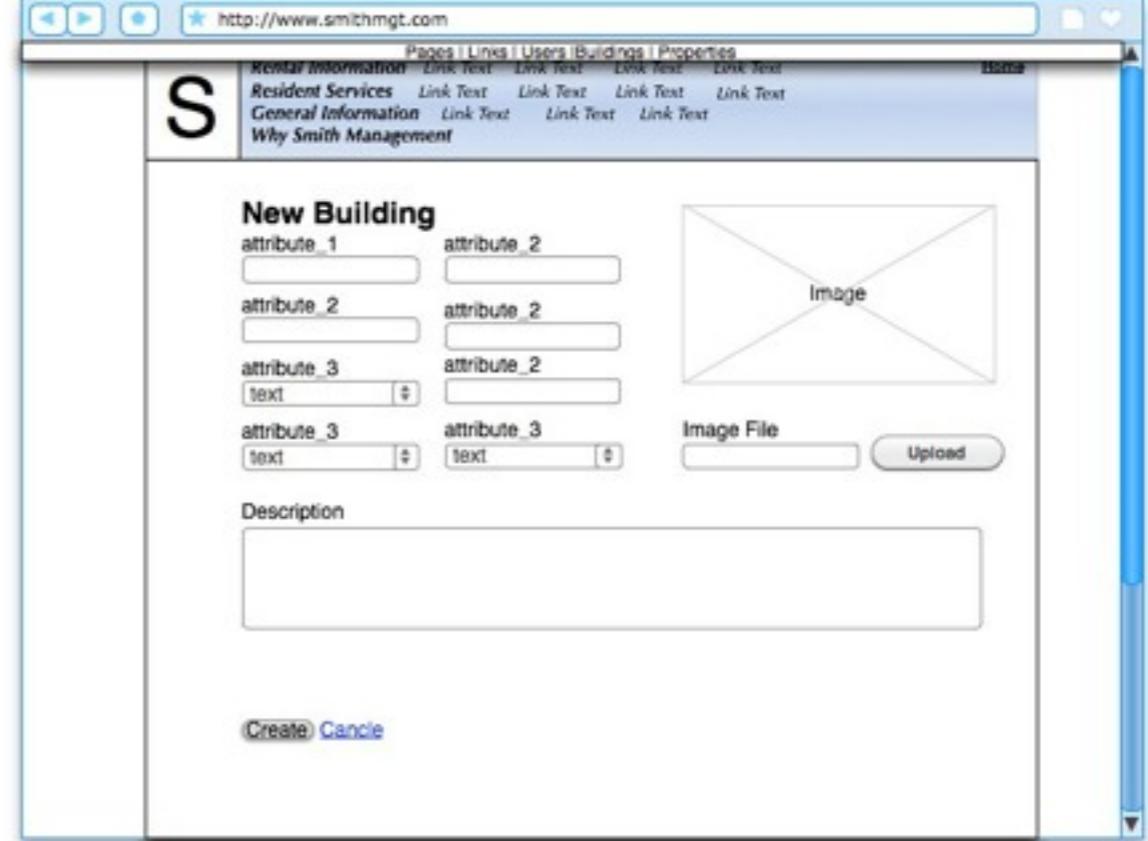
New Building

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attribute_2	attribute_2
attribute_3 text	attribute_2
attribute_3 text	attribute_3 text

Image File Upload

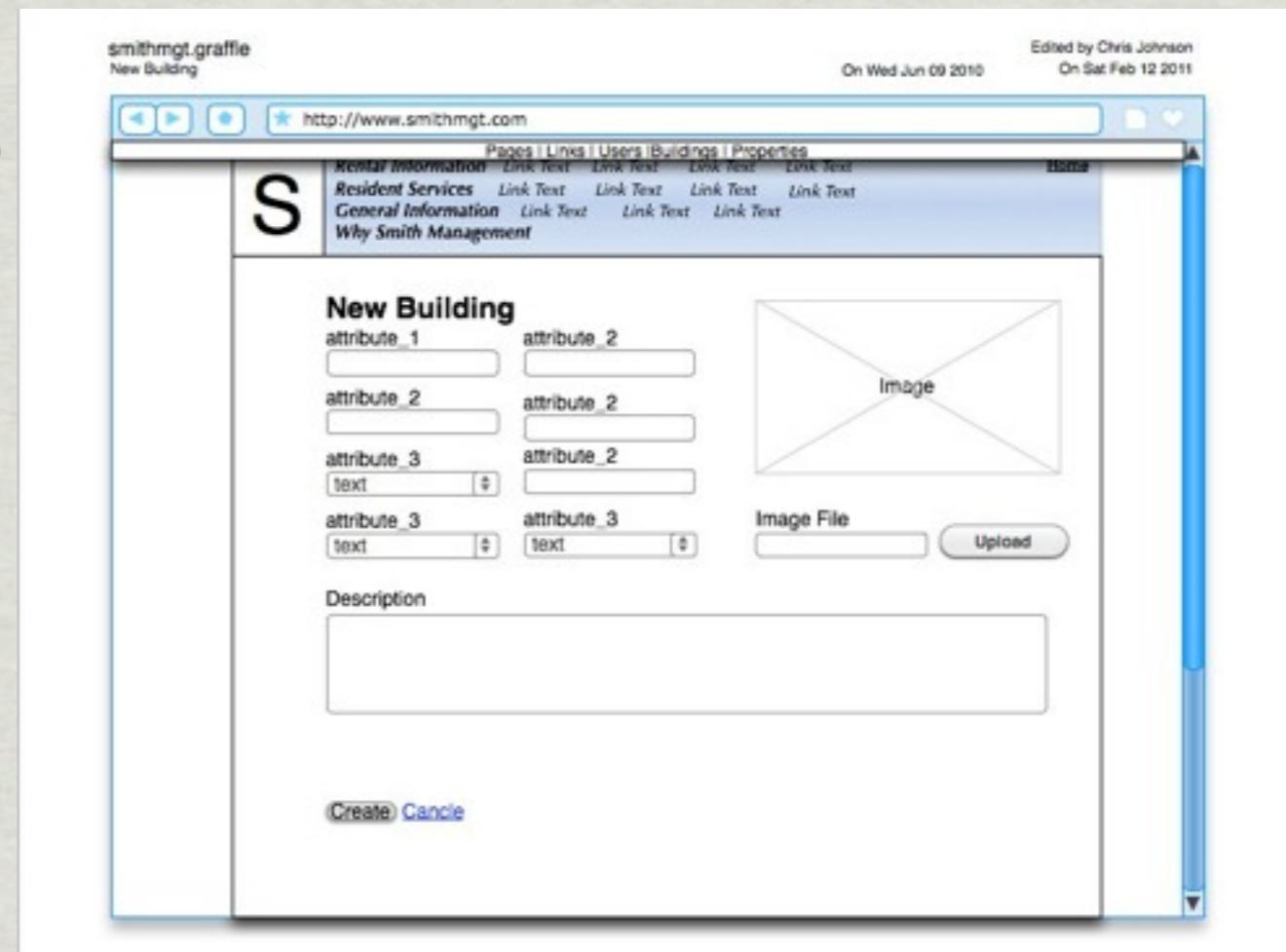
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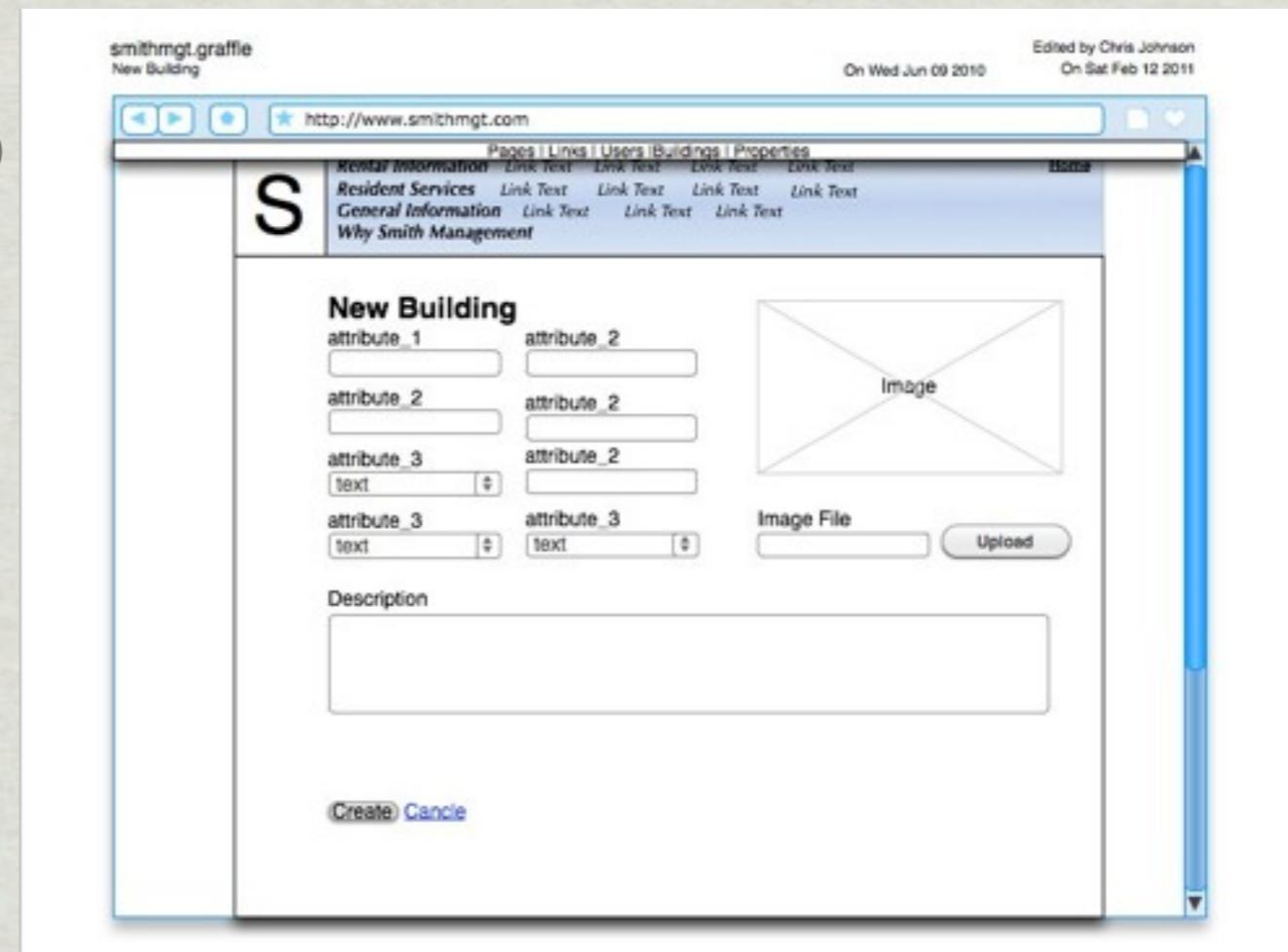
Tangent

- * BDD From wireframe to completion
- * Based on using a UI Pattern Library



Tangent

- * BDD From wireframe to completion
- * Based on using a UI Pattern Library
- * Think about it



Thank You

- * Speaker Rate: <http://spkr8.com/t/6993>
- * @johnsonch on Twitter
- * Chris@JohnsonCH.com



