GUI Testing with PhantomJS

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HTML 5 Betting Client

- mobile, desktop, retail machines

- multiple skins and locales

- 9196 permutations to test

Test automation :
from View to CI system

- View (HTML 5, CSS and JavaScript)

- webserver

- functional tests (Jasmine / Chuckbob)

- PhantomJS

- CI system (Jenkins)

PhantomJS

- headless WebKit browser

- scriptable with a JavaScript API

- supports DOM handling, CSS selector, JSON, Canvas, and SVG

- perfect for command line testing of web applications

- runs on Windows, Linux and Mac OS X

Jasmine

- open source framework for testing JavaScript code

- does not require DOM

- tests are written in JavaScript or CoffeeScript

- contains rich set of matchers, spies and support for asynchronous code

Chuckbob

- open source testing framework

- can simulate user interaction

- tests are written in JavaScript

- tests are included on the same html page as the running application

Tools

- PhantomJS http://phantomjs.org/

- Jasmine http://jasmine.github.io/

- ChuckBob https://github.com/kambisports/ChuckBob

- Jenkins http://jenkins-ci.org/