

Testing using CasperJS and PhantomJS in JavaScript

Overview

In this tutorial, we will create some tests in JavaScript using casperjs.

Requirements

- phantomjs
- casperjs



Please note

As of 2019, CasperJS seems to no longer be maintained.

Description

google_testing.js

```
casper.test.begin('Google search retrieves 10 or more results', 5, function suite(test) {
  casper.start("http://www.google.fr/", function() {
    test.assertTitle("Google", "google homepage title is the one expected");
    test.assertExists('form[action="/search"]', "main form is found");
    this.fill('form[action="/search"]', {
      q: "casperjs"
    }, true);
  });
  casper.then(function() {
    test.assertTitle("casperjs - Recherche Google", "google title is ok");
    test.assertUrlMatch(/q=casperjs/, "search term has been submitted");
    test.assertEval(function() {
      return __utils__.findAll("h3.r").length >= 10;
    }, "google search for \"casperjs\" retrieves 10 or more results");
  });
  casper.run(function() {
    test.done();
  });
});
```

After running the tests and generating the JUnit XML report (e.g., [log.xml](#)), it can be imported to Xray (by using either the REST API or the **Import Execution Results** action within the Test Execution).

```
casperjs test google_testing.js --xunit=log.xml
```

JUnit's Test Case is mapped to a Generic Test in Jira, and the **Generic Test Definition** field contains the name of the test concatenated with the alias of each test case "assert" statement.

Tests

Create Test

+ Add

Overall Execution Status

TOTAL TESTS: 5

5 PASSED

Filters

10

Columns

	Key	Summary	Test Type	Status	Actions
<input type="checkbox"/>	CALC-95	google title is ok	Generic	<div></div> PASSED	<div></div> ...
<input type="checkbox"/>	CALC-94	google search for "casperjs" retrieves 10 or more results	Generic	<div></div> PASSED	<div></div> ...
<input type="checkbox"/>	CALC-93	google homepage title is the one expected	Generic	<div></div> PASSED	<div></div> ...
<input type="checkbox"/>	CALC-97	search term has been submitted	Generic	<div></div> PASSED	<div></div> ...
<input type="checkbox"/>	CALC-96	main form is found	Generic	<div></div> PASSED	<div></div> ...

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Total 5 issues

The Execution Details of the Generic Test contains information about the Test Suite, which in this case corresponds to the name of the test case.

Execution Details

Test Description

None

Test Details

Test Type:

Generic

Definition:

googletesting.google search for "casperjs" retrieves 10 or more results

Results

Context	Error Message	Duration	Status
TestSuite Google search retrieves 10 or more results	-	1 millisec	PASSED

References

- <http://docs.casperjs.org/en/latest/testing.html>