

Testing using FitNesse and JUnit

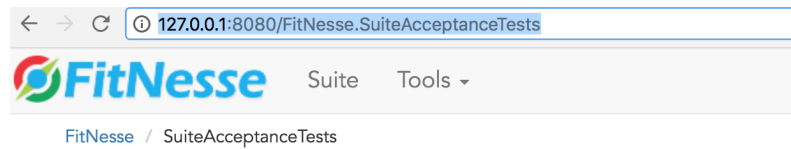
Overview

In this tutorial, we will use [FitNesse](#) as the master of information for creating and editing acceptance tests.

We will use FitNesse JUnit output capabilities in order to get visibility of the results of the automated tests managed by FitNesse.

Description

Whenever you install FitNesse, you have access to a bunch of example acceptance tests.



FitNesse acceptance tests suites

>SuiteWidgetTests	Specify the markup language of wiki pages.
>SuiteWikiPageResponderTests	Specify general behavior of all wiki pages.
>SuiteEditResponderTests	Specify the behavior of edit requests.
>SuiteResponderTests	Specify the behavior of the responders.
>SuiteWikiImportTests	Specify the behavior of the Wiki Import feature
>SuiteAuthenticationTests	Specify the authentication design
>SuiteFixtureTests	Specify the behavior of various fixtures
>SuiteSymbolicLinkTests	Demonstrate usage and behavior of symbolic links
>SuiteFitDecoratorTests	Demonstrate usage and behavior of Fit Decorators
>SuiteSlimTests	Slim Specific Tests
>SuiteTestHistory	Test History tests
>SuiteVersionsControllerTests	Versions controller tests
>SuiteTestSystems	Test interaction with custom test systems

If you take out the relative path of where you have your tests specified, you can use it in order to run those tests in the command line.

```
java -jar fitnesse-standalone.jar -p 8080 -c "FitNesse.SuiteAcceptanceTests?suite&format=junit" > tmp.xml
```

Note that unfortunately FitNesse does not generate a clean, ready-to-use JUnit XML file; thus you'll need to "clean it".

```
fgrep -A 1000000 -i "<?xml" tmp.xml > results.xml
```

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

Calculator / CALC-1427
sample test exec

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Tests [+ Add](#)

Overall Execution Status

301 PASS 1 FAIL

TOTAL TESTS: 302

FILTERS

Test Set	Assignee	Status	Component	Search
All	All			Contains text X Clear


Show 100 entries Columns

Key	Summary
1	CALC-1429 FitNesse.SuiteAcceptanceTests.SuiteResponderTests.AddChildResponderSuite.AddChildToNonExistentPageTest
2	CALC-1430 FitNesse.SuiteAcceptanceTests.SuiteSlimTests.LibrarySuite.LibraryInSetUpSuite.LibraryInSetUpTest

JUnit's Test Case is mapped to a Generic Test in Jira, and the **Generic Test Definition** field contains the name of the class, and the method name that implements the Test Case.

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

Calculator / Test Execution: CALC-1427 / Test: CALC-1429
FitNesse.SuiteAcceptanceTests.SuiteResponderTests.AddChildResponderSuite.AddChildToNonExistentPageTest [Return](#)



No defects yet...



No evidences yet...

Execution Details

Test Description: None

Test Details

Test Type: Generic
Definition: FitNesse.SuiteAcceptanceTests.SuiteResponderTests.AddChildResponderSuite.AddChildToNonExistentPageTest

Results

Context	Error Message	Duration	Status
TestSuite FitNesse.SuiteAcceptanceTests	-	26 millsec	PASS

References

- <http://docs.fitnesse.org/FrontPage>