

Test Suite Workshop

Many shapes of Testing
Meetup @ 2016-09-22

Motivation

Test automation ensures basic quality of main functions!

START

Motivation

Reasons for automated standard test cases

- Keep your head free for testing of chosen features
- Focus on pain points of special cases
- Get a fast quality statement on your basic processes
- Stabilize your builds with solid regression tests and build integration

Support for project life cycle and reduce risks of failure

- Initial development
- New features
- Hotfixes

A photograph showing the lower halves of several men standing in a row. They are all wearing dark blue or black suits, white shirts, and dark ties. The most striking feature is their colorful, patterned socks, which are striped in various colors like red, blue, yellow, and green. The men are standing on a light-colored wooden deck. In the background, there's a glass door leading to an interior space with some plants visible.

Test Suites

Test frameworks follow certain patterns and practices!

Test Suites

Basic Idea

- Simulate behaviour of a user (via browser automation)
- Test standard functionality
- Cover different test paths
- Focus on business critical parts

Typical Structure

- Page Object Pattern
 - with modularization (groups of commands)
- Test cases/scripts (grouped by domain area)

Tools & Examples

There are pretty established tools available!



Browser Automation

GUI Tools

- Selenium IDE - EN - DE (Firefox)
- XLT Script Developer - EN - DE (Firefox)



Based on Selenium

- Selenium WebDriver
- Selenese Commands: Actions, Accessors, Assertions

Supportive Tools

- Firebug (Firefox)
- Developer Tools (Chrome)

XLT Community TestSuite



[DOWNLOAD](#)

README

README

[Test Suite Setup](#)

[XLT Script Developer](#)

[XLT Framework for WebDriver-based Execution](#)

[XLT Framework for Apache Ant based Execution](#)

[XLT Framework for Grunt or Gulp based Execution](#)

[Test Suite Structure](#)

[Branches](#)

[General](#)

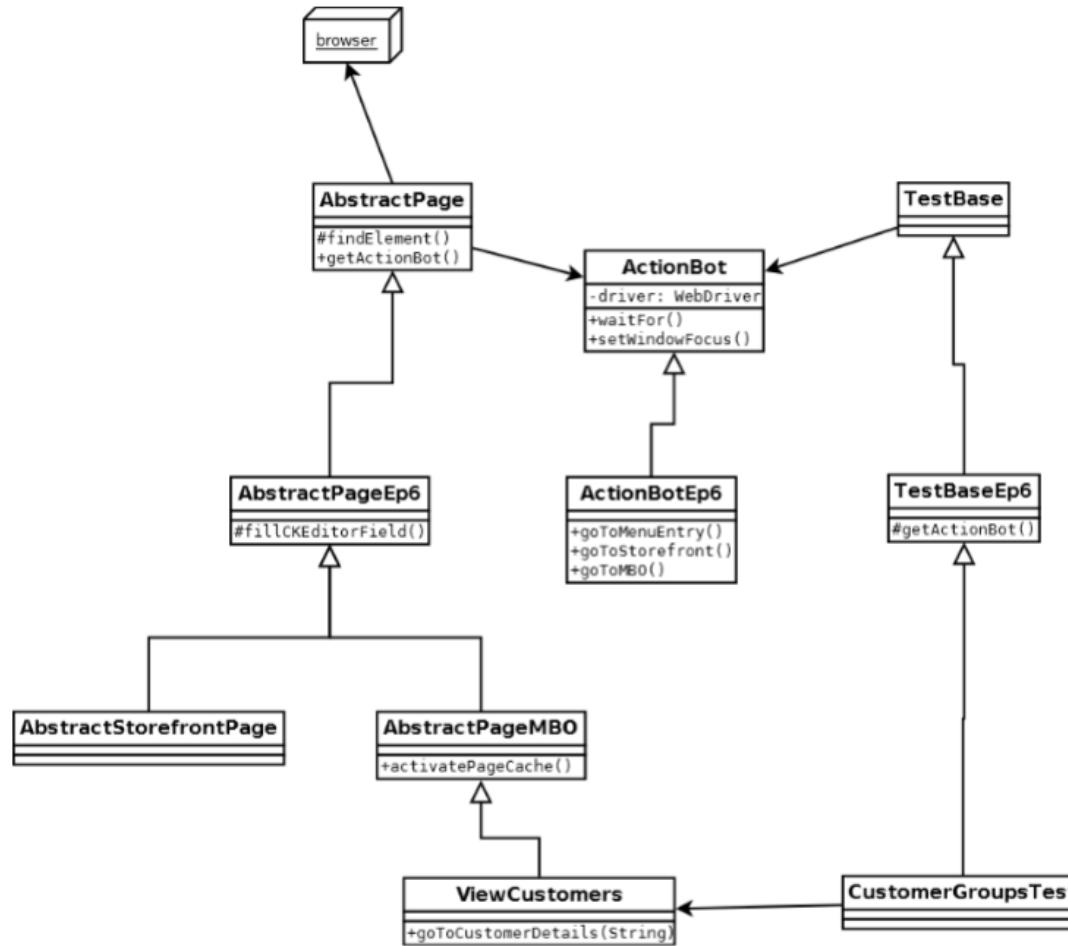
This is a functional test suite for Demandware SiteGenesis, the best practice ecommerce reference store implementation for and by Demandware.

Because test suites sometimes tend to become complex and hard to maintain, we realized it is time to build a clearly structured test suite with a well-defined set of tests.

The project idea is to collect experiences, consolidate knowledge and share ideas of testing practices. Although this test suite is based on testing the storefront of the demo shop **Demandware SiteGenesis** the underlying concepts and the communicated know-how are valid for building test suites of other web applications as well. Everybody is invited to use it, learn from it, improve it and adapt it to their needs.

xceptance.github.io/SiteGenesis-Community-TestSuite

epages Selenium Framework



Demo

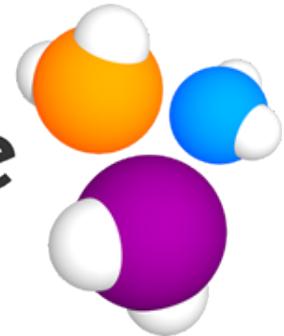


Challenge

Be aware of the limited time!

Suggestion

Selenide
CONCISE UI TESTS IN JAVA



Selenide

- [Selenide vs Selenium \(2\)](#)
- [Selenide Documentation: Page Objects](#)
- with Cucumber (BDD):
 - github.com/jenadevs/selenide-cucumber

Alternatives

- Selenium: [XLT Framework](#), [WebTester](#), [Protractor](#)
- BDD: [Serenity](#), [JGiven](#)

A photograph showing several participants of a Tough Mudder event climbing a tall, weathered wooden wall. In the foreground, a man in a white t-shirt with a race logo is hanging from a horizontal beam, pulling himself up. Above him, three other men are pushing him from behind. One man in a yellow shirt is at the top left, another in a black tank top is in the center, and a third in a red shirt is on the right. The wall is made of vertical wooden planks and shows significant wear and mud. The sky is clear and blue.

Need some help?

DOM, HTML, CSS Selectors, JS, XPath

- W3C DOM TR
- W3C HTML & CSS Portal, HTML TR
- W3C CSS Portal, CSS TR, CSS Selectors TR
- W3C Javascript Portal, JS All
- W3C XPath All, XPath TR, XPath Functions TR
- W3C XML Portal
- W3Schools Tutorials, References, Examples
- W3Schools HTML
- W3Schools CSS, CSS Selectors
- W3Schools JavaScript Reference, JavaScript Regexp
- W3Schools XPath, XQuery and XSLT Functions

Other

- Selenium Docs, RegEx
- RegEx Quickstart