

Automation Instructions

This project for test automation performs the scenarios of Login(Positive and negative), Logout, and buying of products from amazon.com.

This project has been done using Cucumber Automation framework (Maven Project), and uses Page Object Model with Page factory Design pattern to implement the tests.

Requirements

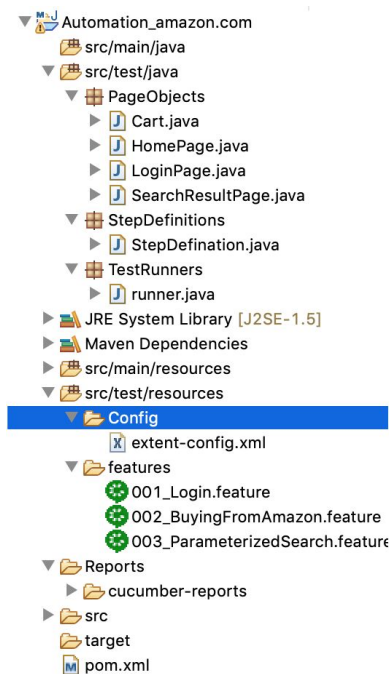
OS: Mac OS X (Windows machine might require some Dependencies to be added in pom.xml file)

Maven 4

Java 1.8

Eclipse IDE

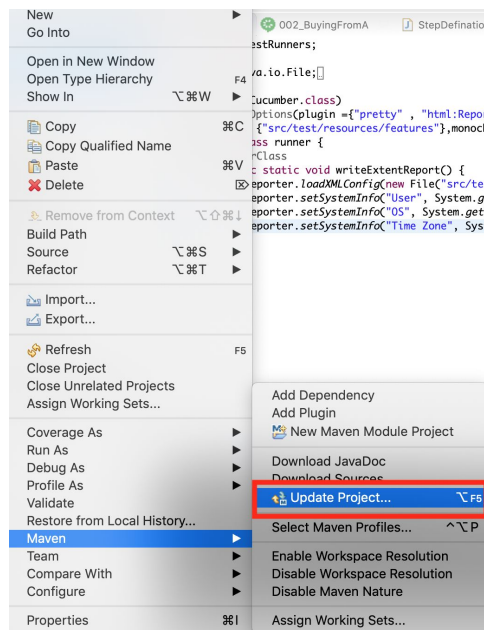
Project Folder Structure



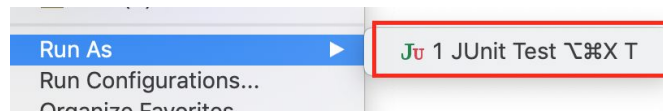
1. All the features are written in the feature files found in “features” Folder (Location: **src/test/resources/features**)
2. The StepDefinition file (StepDefinition.java) is located under the folder “StepDefinitions” (Location: **src/test/java/StepDefinitions**). The step definition file contains the Selenium Java code that's glued to the features in the feature file. And the **runner.java**(Location: **src/test/java/TestRunners**) contains the configurations to run the automation. It is executed as a **JUnit test**
3. The Page objects are located under the folder **PageObjects** (Location: **src/ test/ java**)
4. The Maven Dependencies are in the **pom.xml** file.
5. The reports are saved under the “Reports” (1. Cucumber Extent-report 2. Cucumber report) folder (Location: 1. **Reports/cucumber-reports/ Cucumber_report.html** & 2. **Reports/ cucumber-reports/ index.html**)
6. The driver executables are provided in the Drivers folder (Location: **src/main/resources**)

Running the Automation Project.

1. Import the project files to Eclipse IDE. (If required, update the maven project- Right click on project> Maven> update Project...)



2. Open the “runner.java” file (Location: **src/test/java/TestRunners**)
3. Run As a JUnit test (As shown in the screenshot below)

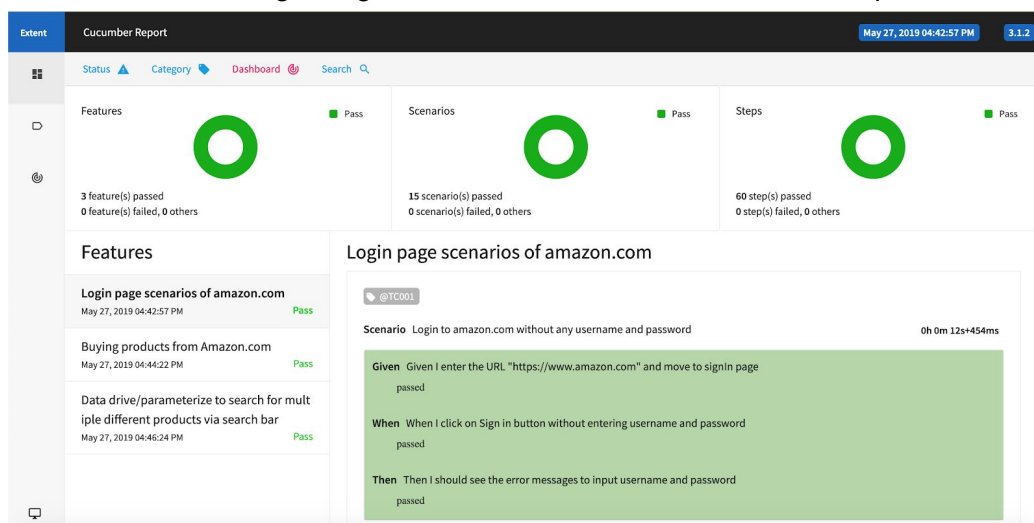


Reporting

1. The test cases in the feature files will run one after the other, and the report will be published after the execution.
(Cucumber Extent report Location: **Reports/cucumber-reports/ Cucumber_report.html**)
(Cucumber default report Location: “**Reports/cucumber-reports/index.html**”)

2. In case of failures, the screenshots of the failed test steps are embedded in the reports.

Some screenshots of the Cucumber extent report that’s been implemented in the project are shown below. There are lot of details regarding the execution, are embedded in the report.



Extent Cucumber Report			May 27, 2019 04:42:57 PM	3.1.2
Search				
<ul style="list-style-type: none"> @LoginPageScenarios @TC001 @TC002 @TC003 @TC004 @TC005 @BuyingFromAmazon_Scenarios @TC006 @TC007 @TC008 @TC009 @TC010 @ParameterizeSearch 	@ParameterizeSearch		Passed: 4	
	Timestamp	TestName	Status	
	May 27, 2019 04:46:24 PM	Data drive/parameterize to search for multiple different products via search bar	Pass	
	May 27, 2019 04:46:36 PM	Data drive/parameterize to search for multiple different products via search bar.Data drive/parameterize to search for multiple different products via search bar.Data drive/parameterize to search for multiple different products via search bar	Pass	
	May 27, 2019 04:47:33 PM	Data drive/parameterize to search for multiple different products via search bar.Data drive/parameterize to search for multiple different products via search bar.Data drive/parameterize to search for multiple different products via search bar	Pass	
	May 27, 2019 04:48:14 PM	Data drive/parameterize to search for multiple different products via search bar.Data drive/parameterize to search for multiple different products via search bar.Data drive/parameterize to search for multiple different products via search bar	Pass	

Dashboard

Features

3 feature(s) passed
0 feature(s) failed, 0 others

Scenarios

15 scenario(s) passed
0 scenario(s) failed, 0 others

Steps

60 step(s) passed
0 step(s) failed, 0 others

Features

3

Scenarios

15

Steps

60

Start

May 27, 2019 04:42:57 PM

End

May 27, 2019 04:49:42 PM

Time Taken

405,133ms

Environment

Name	Value
User	VarunSubrayaYadapadithaya
OS	Mac OS X
Time Zone	America/Los_Angeles

Categories

Name	Passed	Failed	Others	Passed %
@LoginPageScenarios	1	0	0	100%
@TC001	1	0	0	100%
@TC002	1	0	0	100%
@TC003	1	0	0	100%

<div>Features</div> <div><div><div></div><div></div></div><div>1 feature(s) passed 1 feature(s) failed, 0 others</div></div>			<div>Scenarios</div> <div><div><div></div><div></div></div><div>8 scenario(s) passed 2 scenario(s) failed, 0 others</div></div>			<div>Steps</div> <div><div><div></div><div></div><div></div></div><div>35 step(s) passed 2 step(s) failed, 1 others</div></div>		
<div>Features</div> <div><div>Login page scenarios of amazon.com</div><div>May 27, 2019 01:55:34 PM</div><div>Fail</div></div>			<div><div>And And I click on SignIn Button</div><div>passed</div></div>					
<div><div>Buying products from Amazon.com</div><div>May 27, 2019 01:57:11 PM</div><div>Pass</div></div>			<div><div>Then Then I should see the error message regarding the wrong user credentials</div><div>Click to see the ScreenShot →</div><div><div>java.lang.AssertionError: expected:<true> but was:<false> at org.junit.Assert.fail(Assert.java:88)</div></div></div>					

Failed Test steps are color coded in red and the screenshot is embedded into the report. As seen in the above screenshot.