



Hewlett Packard
Enterprise

Cal eStore Automated Functional Testing

Functional Test Execution in Selenium WebDriver

The screenshot displays the Eclipse IDE interface for a Selenium WebDriver project. The main editor shows the `DriverScript.java` file with the following code:

```
1 package com.keywordDriven;
2
3 import java.util.List;
4
5 @Listeners({ ATUReportsListener.class, ConfigurationListener.class, MethodListener.class })
6 public class DriverScript {
7     {
8         System.setProperty("atu.reporter.config",
9             "C:/Program Files (x86)/HPE/SeleniumFramework/KeywordDrivenFramework/atu.properties");
10    }
11
12    @BeforeTest
13    public void setup() throws Exception {
14        ORGenerator.orGenerator();
15    }
16
17    @Test
18    public void keyword() throws Exception {
19        int testCaseRow;
20        String testCaseName = null;
21        HSSFSheet testCaseSheet = ExcelUtil.getExcelFile(Constant.Path_TestData + Constant.File_TestData, "Te
22        testCaseRow = testCaseSheet.getPhysicalNumberOfRows();
23        for (int i = 1; i <= testCaseRow; i++) {
24            if ((ExcelUtil.getRow(testCaseSheet, i)) != null) {
25                if (ExcelUtil.getCellData(testCaseSheet, i, 2).equalsIgnoreCase("y")
26                    && !ExcelUtil.getCellData(testCaseSheet, i, 2).equals("")) {
27                    testCaseName = ExcelUtil.getCellData(testCaseSheet, i, 0);
28                }
29            }
30        }
31    }
32}
```

The Package Explorer on the left shows the project structure, including the `KeywordDrivenFramework` package and the `Test_Data` folder. The Outline on the right shows the `DriverScript` class and its methods: `setup() : void`, `keyword() : void`, `generateReport(String, int) : void`, and `getTestExec(String) : void`.

The bottom console shows the execution results of the test, including the following XPath expressions and actions:

```
DriverScript [TestNG] C:\Program Files\Java\jdk1.8.0_91\bin\javaw.exe (Feb 28, 2017, 4:01:06 PM)
AdminPrevious1_button
xpath//*[@id='mForm']/div[2]/div[2]/ul/li[2]/a
LoginPage_ShowPassword
xpath//p[1]/a[@title='Show password']
LoginPage_ForgotPassword
xpath//p[2]/a[contains(text(),'Forgot password?')]
ForgotPasswordPage_EnterEmailid
xpath//*[@id='password']
ForgotPasswordPage_sendPassword
xpath//input[2][@value='Send password']
Click_Product_From_Categories_Laptop
xpath//*[@id='product']/div/div/aside/div[1]/ul/li[1]/a
```


Test Results

Execution Platform Details

O.S : Windows 7, amd64Bit, v6.1
Java : 1.8.0_91
Hostname : KUAMIT2
Selenium : 2.53.0

Summary

Status : Passed
Execution Date : 28-Feb-2017 04:05:32
Browser : UnKnown,

S.No	Step Description	Input Value	Expected Value	Actual Value	Time	Line No	Status	Screen shot
1	Initialize Driver				1488277901 Sec	128	✓	
2	enter username				8 Sec	149	✓	
3	click create profile link				867 Milli Sec	327	✓	
4	click create profile link				15 Sec	149	✓	
5	enter First name				2 Sec	139	✓	
6	enter Last name				1 Sec	139	✓	
7	enter department name				2 Sec	139	✓	
8	enter mobile number				2 Sec	139	✓	
9	enter email id				1 Sec	139	✓	
10	enter password				1 Sec	139	✓	
11	eneter confrim password				1 Sec	139	✓	
12	click address sign				2 Sec	149	✓	
13	enter address1				1 Sec	139	✓	
14	Wait to disaply the element				932 Milli Sec	327	✓	
15	enter address2				1 Sec	139	✓	
16	enter city name				1 Sec	139	✓	
17	enter state Name				1 Sec	291	✓	
18	enter zip code				1 Sec	139	✓	
19	click notification sign				1 Sec	149	✓	

Test Results (Continued)

20	select mobile check box				1 Sec	149	✓	
21	click submit button				12 Sec	149	✓	
22	screenshot CreateProfile page				1 Sec	177	✓	
23	close browser				4 Sec	195	✓	
24	Initialize Driver				17 Sec	128	✓	
25	enter username				12 Sec	149	✓	
26	Wait to display the element				807 Milli Sec	327	✓	
27	enter username				1 Sec	139	✓	
28	enter password				1 Sec	139	✓	
29	click on login				20 Sec	149	✓	
30	click on IHomePage HardwareLaptopButton650G2Button				7 Sec	149	✓	
31	click on IHomePage HardwareLaptopButtonDellButton				7 Sec	149	✓	
32	click on Header Compare Button				13 Sec	149	✓	
33	click on cart1 Button				2 Sec	149	✓	
34	click on cart2 Button				2 Sec	149	✓	
35	click on cart Button				11 Sec	149	✓	
36	clear ShoppingCartPage_Qty1				1 Sec	139	✓	
37	click on ShoppingCartPage Cancel				1 Sec	149	✓	
38	click on proceed Button				13 Sec	149	✓	
39	click ConfrimPage SubmitOrderButton				19 Sec	149	✓	
40	click OrderConfrimPage LogoutButton				17 Sec	149	✓	
41	Take Screen Shot				1 Sec	177	✓	
42	close browser				4 Sec	195	✓	

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