

Testing Automation Assignment

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1 Tools Used:

- Selenium-Server-Standalone-3.0.1.jar
- TestNg-6.1.0.jar
- Client-Combined.3.0.1-nodeps.jar
- Chromium-Browser version 61.0
- chromedriver
- Eclipse IDE

2 Environment:

The test was carried out on a 32-bit Ubuntu 16.04 machine

3 Hinderance:

Unable to install Chrome for a 32-bit Ubuntu machine because Google no longer support it. I decided to use Chromium-Browser for the test.

4 Testing Steps:

- Install the TestNg plugin for Eclipse
- Create a java project in Eclipse and add the following libraries in the build path: Selenium-Server-Standalone-XXX.jar, testNg-6.1.0.jar, Client-Combine.3.0.1-nodeps.jar
- Create your Java classes and the Testng build.xml file. Copy and paste the attached files.
- Download the latest chromedriver for your machine and edit the path accordingly in the class WebDriverManager.java
- Start your Selenium-Server-Standalone-XXX.jar as Hub
- Start your Selenium-Server-Standalone-XXX.jar as Node
- Start the test by running the RunTest.xml as a TestNg suite.

5 Test Results:

Two tests meant to validate the mandatory input-fields of Pet's Name and Status failed. Based on the User Story, the two fields are suppose to be mandatory but they are not.

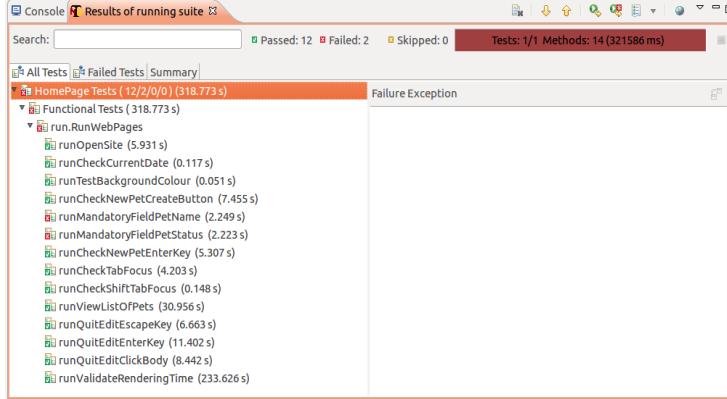


Figure 1: Test result

A screenshot of a software interface titled 'Results of running suite'. The window shows a terminal-like output of test logs. It includes log entries for the date, browser type, and various INFO and DEBUG messages related to the test execution. The log ends with a detailed stack trace for a failed assertion, indicating that the expected value was [false] but found [true].

```
Date of the Day : 05-11-2017
Background Colour in rgba : = rgba(51, 51, 51, 1)
Background Colour in Hex : = #333333
browser :chromium-Browser
Nov 05, 2017 8:31:12 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Attempting bi-dialect session, assuming Postel's Law holds true on the remote end
Nov 05, 2017 8:31:12 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: unknown
The rendering time is: 1344ms
PASSED: runOpenSite
PASSED: runCheckCurrentDate
PASSED: runTestBackgroundColour
PASSED: runCheckNewPetCreateButton
PASSED: runCheckNewPetEnterKey
PASSED: runCheckTabFocus
PASSED: runCheckShiftTabFocus
PASSED: runViewListOfPets
PASSED: runQuitEditEscapeKey
PASSED: runQuitEditEnterKey
PASSED: runQuitEditClickBody
PASSED: runValidateRenderingTime
FAILED: runMandatoryFieldPetName
java.lang.AssertionError: expected [false] but found [true]
    at org.testng.Assert.fail(Assert.java:294)
    at org.testng.Assert.assertNotEqual(Assert.java:513)
    at org.testng.Assert.assertFalse(Assert.java:63)
    at org.testng.Assert.assertFalse(Assert.java:73)
    at com.TestWebPages.checkMandatoryFieldPetName(TestWebPages.java:69)
    at run.RunWebPages.runMandatoryFieldPetName(RunWebPages.java:52)
```

Figure 2: Test result Console