How did you go about locating the elements for your tests?

Normally we can find web elements by the xpaths provided by firebug. However, often times, these elements change so I have to write my custom xpaths which include finding elements by using id, name, class, linkText, partialLinktext, css selectors, tagName etc.

I also use words like “Starts-with” or “contains” in my custom xpath, example:

//button[Starts-with(@id, ‘xyz’)]

//button[contains(@class, ‘xyz’)]

If your test was running successfully on a regular basis, then suddenly began to fail, how would you find and correct the problem?

First I would check to see if there is any code change such that web elements might change as well. Then I would check to see if the failure only occurs on certain browsers and check if the browser version has been updated such that it may no longer compatible with the driver version. If the previous two conditions do not occur, then I will check to see if it is a timing issue that the timing is off such that the automation is running faster before the web element appears. If all the above conditions have been checked out without any problems, then I do a root cause analysis and find out the root causes.

What is one additional validation step that you would add to the test, if any?

I would add a test step where when a particular item is not found under ‘search’(search result is 0), then I would validate against the database to see if the search fails or the item really doesn’t exist in the database.

I would also add a validation case to check the price total. I would check to see if the amount of the individual items adds to the total sum of the subtotal. Since other people were using the same login as I did during the automation and adding other items in the cart, I did not have chance to validate this scenario.

Did you spot any bugs within the application while creating the test? If so, report it here just as you would report it to the engineer responsible for fixing it.

Yes, I spotted an intermittent issue…when I first logged in the website as a brand new user, I did not find any items under “Search” or “Shop by Category”

Bug:

Test Configuration/environment:

Operating System: Win10(64bit)

Browser:

FireFox version 55; Chrome Version 63.0.3239.132 (Official Build) (64-bit)

Precondition:

Log in the first time as a brand new user

Bug Description:

No items were shown up under “search” or “Shop by Category” when logged in the first time as a brand new user.

Reproduction Steps:

1. Type in login ID and password and log in as a brand new user(noticed that the whole web page was blank without any graphics or images)
2. Type in search words such as ‘orange’, ‘breads’, ‘cheese’ in the search box and click on the search icon(magnify glass).

\*Note that the search result is 0, and no items or item images were shown up

3. Click on the “Shop by Category”

4. Select and click on any category, example: Baby, Breads, Breakfast, Deli and Produce.

\*Note that no items or item images were shown up

5. Log out and log back in

\*Note that the same issue still exist

6. Log back in again after an hour

\*Note that the issue is gone and could not reproduce the same issue