**USCS503 – Software Testing and Quality Assurance**

**Practical – 2 :**

Conduct a Test suite for any two websites

***Required Software :***

1. Mozilla Firefox 61 (If Earlier version of Firefox is installed in the system, then that should be uninstalled and version 61 or above has to be installed)

2. Selenium IDE

***Prerequisite Knowledge***

1. Working of Selenium IDE

2. Knowledge of Selenium Commands

***Basic Steps to follow for every test case :***

1. Open firefox browser

2. Open Selenium IDE

3. Type http://www.google.com/ in playback URL

4. Start Recording

5. Type http://www.google.com/ in browser address bar

6. Type selenium IDE as the search text (Don’t use autocomplete option. Type yourself)

7. Press Enter

8. First search result will be seleniumhq website. Click on it

***To check the working of assert title command :***

1. Perform the basic steps

2. Right\_click anywhere on the screen.

3. Select Selenium IDE option and choose assert title command

4. Click on the hyperlink – Documentation

5. Browser will be redirected to Documentation page

6. Return to Selenium IDE and Stop Recording

7. Run the test case

8. Save the test case as “valid\_assert\_title

9. Create a new test case and name it as “invalid\_assert\_title”

10. Repeat the basic steps. Repeat steps 1 to 6 given above

11. Select assert title command from the steps

12. Change the target from “Selenium IDE” to “Selenese”

13. Stop Recording and Run the test case

***To check the working of verify title command :***

1. Repeat the steps given for assert title command. But, instead of choosing assert title command from Selenium IDE option, choose verify title command. Give appropriate names to test cases (valid\_verify\_title and invalid\_verify\_title)

***To check the working of assert text command***

1. Create a new test case and name it as “valid\_assert\_text”

2. Perform the basic steps

3. In the seleniumHq page, select and highlight the text selenium IDE from the second paragraph

4. Right click and select selenium ide option and choose assert text command

5. Click on the hyperlink – Documentation

6. Browser will be redirected to Documentation page

7. Return to Selenium IDE, Stop Recording

8. Run the test case

9. Create a new test case and name it as “invalid\_assert\_text”

10. Repeat the basic steps. Repeat steps 3 to 7 given above

11. Select assert text command from the steps

12. Change the value from “Selenium IDE” to “Selenese”

13. Stop Recording and Run the test case

***To check the working of verify text command***

Repeat the steps given for assert text command. But, instead of choosing assert text command from Selenium IDE option, choose verify text command. Give appropriate names to test cases.

***To check the working of verify element present***

1. Perform the basic steps

2. Click on the hyperlink documentation

3. Return to Selenium IDE screen

4. Stop Recording

5. Click on the empty space at the end in the command-target-value area. Add a new command at the end

6. In command option, choose verify element present

7. In target option, type //div/p

8. Save the test case as valid\_element and run the test case

9. Run the test case

10. Add a new test case and rename as invalid\_element

11. Repeat steps from 1 to 6 given above

12. In target option, type //div/link

13. Run the test case

After creating the above test cases answer the following

1. Write your observation on valid-assert\_title test case and invalid\_assert\_title test case

2. Write your observation on valid-verify\_title test case and invalid\_verify\_title test case.

3. Write the difference between the working of invalid\_assert\_title and invalid\_verify\_title test cases

4. Write your observation on valid-assert\_text test case and invalid\_assert\_text test case

5. Write your observation on valid\_element test case and invalid\_element test case

6. Open the documentation link of seleniumhq website and refer the ways of locating an element. Write at least 5 ways of locating an element in tabular format and give a brief note about each of them

Repeat the test cases for your college website by giving appropriate test criteria.

Take screenshots of selenium IDE, which shows the working of all test cases. At least 1 screen shot for each test case is expected. Print screenshots and stick it on your journal

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