**USCS503 – Software Testing and Quality Assurance**

**Practical – 1 :**

1. Read and learn the documentation given in http://www.seleniumhq.org and answer the following questions.

 Write a note on Selenium IDE and list out its features

 How do you build and execute a Test Case in Selenium

 What are the three types of Selenium Commands.

 What are the commonly used Selenium Commands.

 Compare Assertion and Verification Commands. Give Example

2. Using Selenium IDE, Write a test suite containing minimum 4 test cases.

***Required Software :***

1. XAMPP

2. 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)

3. Selenium IDE

***Prerequisite Knowledge :***

1. HTML, CSS, JavaScript, Java

Test Scenario :

***Observe the following scenario***

In an online shopping website, Guest user gets a 15% discount on all their purchases today. For an existing customer no discount is given. If the user has a gift card, they get 20% off today (but it can’t be used with the ‘guest’ discount). Display appropriate messages on the final discount %

Perform the following :

1. Make a decision table / decision tree of possible cases

2. Create a webpage as shown below and save the file in XAMPP/HTDOCS/ST folder as Prac1.html



3. Type of User options – Guest and Customer

4. Gift Card options – Yes and No

5. Create Test cases for all possible scenarios framed in point 1

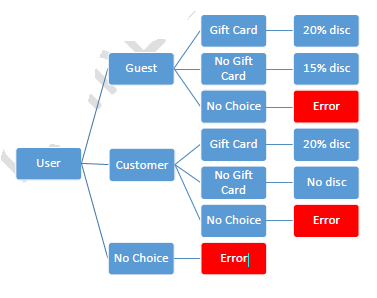
6. Save as Test Suite and Execute it

Answer :

1. Student Activity

2. Test Scenario

a. Decision Tree



3. Write the following code and save in c://xampp/htdocs folder as prac1.html

***<html>***

***<head>***

***<title>***

***Testing Practical - 1***

***</title>***

***<body>***

***<form action="prac1.php" method="POST">***

***Enter the type of User :***

***<select name="user">***

***<option value="0">--Select User--</option>***

***<option value="1">Guest</option>***

***<option value="2">Customer</option>***

***</select>***

***<br>***

***<br>***

***Do you have Gift Card ?***

***<select name="gift">***

***<option value="0">--Select--</option>***

***<option value="1">Yes</option>***

***<option value="2">No</option>***

***</select>***

***<br>***

***<br>***

***<input type = "submit" value="Submit Form">***

***</form>***

***</body>***

***</html>***

4. Write the following code and save in c://xampp/htdocs folder as prac1.php

***<?php***

***$user=$\_POST["user"];***

***$gift=$\_POST["gift"];***

***if(($user=="0")||($gift=="0"))***

***{***

***echo "Invalid Data";***

***}***

***if($user=="1")***

***{***

***if($gift=="1")***

***{***

***echo "You are eligible for 20% discount";***

***}***

***if($gift=="2")***

***{***

***echo "You are eligible for 15% discount";***

***}***

***}***

***if($user=="2")***

***{***

***if($gift=="1")***

***{***

***echo "You are eligible for 20% discount";***

***}***

***if($gift=="2")***

***{***

***echo "You are not eligible for any discount";***

***}***

***}***

***?>***

5. Start the XAMPP Apache Server

6. Open Mozilla FireFox Browser (Version 61)

7. Click on the icon Selenium IDE and open it

8. Enter http://localhost/ in URL (It may be http://localhost:portnumber in some computers. Ex. http://localhost:80 )

9. Start Recording

10.Minimize the Selenium screen and execute the HTML code in Mozilla Firefox Browser – http://localhost/prac1.html

11.Select user as ‘Guest’ and gift card as ‘Yes’. Click on Submit Button. All these actions would be recorded by Selenium IDE.

12.Browser gets redirected to ‘prac1.php’ and the message ‘You are eligible for 20% discount’ will be displayed

13.Return to Selenium IDE and stop recording. Save the commands that got auto-generated as Test1.side

14.Similarly, repeat the process for different selections and save as different test cases. There should be 7 test cases – 4 combinations of valid options and 3 invalid options (no choice in both, no choice in user, no choice in gift card)

15.Add all test cases to a test suite and save it.

16.Execute the Test suite.

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