**WriteUP**

**Automating the Star Health Application Using Selenium**

**Test Scenario: 1 [Cucumber + JUnit]**

**StartHealth.feature**

Feature: Test StartHealth webpage using cucumber

Scenario Outline: Validate the Star Health Buy Now flow

Given User launches the Star Health application with '<URL>'

Then User waits for the Welcome to Star Health pop-up and closes it

And User get home page title and Validates it

And User clicks on the Buy Now button

Then User Enters data for '<FullName>','<PhNo>','<email>','<PIN>'

And User click on getstarted button

Then User select the checkbox for myself

Then user navigates to the HomePage with '<URL>'

Examples:

| URL | FullName | PhNo | email | PIN |

| https://www.starhealth.in/ | sonal | 9090890987 | sonal@gmail.com | 122020 |

**TestRunner.java file**

package runner;

import org.junit.runner.RunWith;

import io.cucumber.junit.Cucumber;

import io.cucumber.junit.CucumberOptions;

@RunWith(Cucumber.class)

@CucumberOptions(

features="C:\\Users\\Samyak\\eclipse-workspace\\ATE\_Phase2\_ENDPROJECT\_Scenario1\\src\\test\\java\\features\\StartHealth.feature",

glue = {"steps"}, //packagename where the steps are

plugin= {"pretty",

"html:target/cucumberreport.html", "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapter:",

"timeline:test-output-thread/"

}

)

public class TestRunner {

}

**BaseTest.java files**

package steps;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.After;

import io.cucumber.java.Before;

public class BaseTest {

public static WebDriver driver;

@Before

public void initialization()

{

System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\Google\\Chrome\\Application\\chrome.exe");

driver = new ChromeDriver();

driver.manage().window().maximize();

driver.manage().deleteAllCookies();

}

@After

public void closeBrowser()

{

driver.quit();

}

}

**BuyNowPageTest.java files**

package steps;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.Then;

public class BuyNowPageTest {

@Given("User launches the Star Health application with {string}")

public void user\_launches\_the\_star\_health\_application\_with(String string) {

}

@Then("User waits for the Welcome to Star Health pop-up and closes it")

public void user\_waits\_for\_the\_welcome\_to\_star\_health\_pop\_up\_and\_closes\_it() {

}

@Then("User get home page title and Validates it")

public void user\_get\_home\_page\_title\_and\_validates\_it() {

// Write code here that turns the phrase above into concrete actions

}

@Then("User clicks on the Buy Now button")

public void user\_clicks\_on\_the\_buy\_now\_button() {

}

@Then("User Enters data for {string},{string},{string},{string}")

public void user\_enters\_data\_for(String string, String string2, String string3, String string4) {

}

@Then("User click on getstarted button")

public void user\_click\_on\_getstarted\_button() {

}

@Then("User select the checkbox for myself")

public void user\_select\_the\_checkbox\_for\_myself() {

}

@Then("user navigates to the HomePage with {string}")

public void user\_navigates\_to\_the\_home\_page\_with(String string) {

}

}

**ExtendeReport files**

**extent.properties**

extent.reporter.spark.start=true

extent.reporter.spark.out=test-output/SparkReport/Spark.html

extent.reporter.spark.config=src/test/resources/extent-config.xml

extent.reporter.spark.out=test-output/SparkReport/

screenshot.dir=test-output/

screenshot.rel.path=../

extent.reporter.pdf.start=true

extent.reporter.pdf.out=test output/PdfReport/ExtentPdf.pdf

#basefolder.name=reports

#basefolder.datetimepattern=d-MMM-YY HH-mm-ss

extent.reporter.spark.vieworder=dashboard,test,category,exception,author,device,log

systeminfo.os=Windows

systeminfo.user=sonal

systeminfo.build=1.1

systeminfo.AppName=AutomationPractice

**extent-config.xml**

<?xml version="1.0" encoding="UTF-8"?>

<extentreports>

<configuration>

<!-- report theme -->

<!-- standard, dark -->

<theme>dark</theme>

<!-- document encoding -->

<!-- defaults to UTF-8 -->

<encoding>UTF-8</encoding>

<!-- protocol for script and stylesheets -->

<!-- defaults to https -->

<protocol>http</protocol>

<!-- title of the document -->

<documentTitle>Extent</documentTitle>

<!-- report name - displayed at top-nav -->

<reportName>RediffAccount Report</reportName>

<!-- location of charts in the test view -->

<!-- top, bottom -->

<testViewChartLocation>bottom</testViewChartLocation>

<!-- custom javascript -->

<scripts>

<![CDATA[

$(document).ready(function() {

});

]]>

</scripts>

<!-- custom styles -->

<styles>

<![CDATA[

]]>

</styles>

</configuration>

</extentreports>

**Test Scenario: 2 [TestNG + Selenium]**

**TestStarthealthLink.java file**

package starthealthScenario2;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

public class TestStarthealthLink {

WebDriver driver;

@BeforeClass

public void startBrowser()

{

driver = new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://www.starhealth.in/");

}

@Test(priority='1')

public void click\_onPlans() throws InterruptedException

{

Actions a = new Actions(driver);

WebElement plan = driver.findElement(By.xpath("//div[@class='Header\_nav-link-container\_\_nlUUp dropdown-active flex only-desktop']/descendant::img[2]"));

a.moveToElement(plan).build().perform();

Thread.sleep(1500);

}

@Test(priority='2')

public void click\_on\_option() throws InterruptedException

{

WebElement formyfamilylink = driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[2]"));

String link1 = formyfamilylink.getText();

System.out.println(link1);

WebElement formelink = driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[1]"));

String link2 = formelink.getText();

System.out.println(link2);

WebElement l3 = driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[3]"));

String link3 = l3.getText();

System.out.println(link3);

WebElement l4 = driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[4]"));

String link4 = l4.getText();

System.out.println(link4);

WebElement l5 = driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[5]"));

String link5 = l5.getText();

System.out.println(link5);

}

}

**TestStarthealthPage.java files**

package starthealthScenario2;

import java.io.FileNotFoundException;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.Assert;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class TestStarthealthPage {

WebDriver driver;

@BeforeClass

public void startBrowser()

{

driver = new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://www.starhealth.in/");

}

@Test(priority='1')

public void click\_onPlans() throws InterruptedException

{

Actions a = new Actions(driver);

WebElement plan = driver.findElement(By.xpath("//div[@class='Header\_nav-link-container\_\_nlUUp dropdown-active flex only-desktop']/descendant::img[2]"));

a.moveToElement(plan).build().perform();

Thread.sleep(1500);

}

@Test(priority='2')

public void click\_on\_option() throws InterruptedException

{

WebElement formyfamilylink = driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[2]"));

formyfamilylink.click();

Thread.sleep(4000);

}

@Parameters({"Name","Mobile","pin"})

@Test(priority='3')

public void enter\_user\_details(String Name, String Mobile, String pin)

{

driver.findElement(By.id("name")).sendKeys(Name);

driver.findElement(By.id("phoneNumber")).sendKeys(Mobile);

driver.findElement(By.id("pinCode")).sendKeys(pin);

// click on get quite button

driver.findElement(By.xpath("")).click();

}

@Test(priority='4',dataProvider = "testdata")

public void navigate\_back(String expectedname, String expectedphone,String expectedpin ) throws InterruptedException

{

driver.navigate().back();

Thread.sleep(1500);

String actualname = driver.findElement(By.id("name")).getText();

Assert.assertEquals(actualname, expectedname);

String actualphone = driver.findElement(By.id("phoneNumber")).getText();

Assert.assertEquals(actualphone, expectedphone);

String actualpin = driver.findElement(By.id("pinCode")).getText();

Assert.assertEquals(actualpin, expectedpin);

}

@DataProvider(name="testdata")

public Object[][] datasupply() throws FileNotFoundException

{

// get the data from excel sheet

Object[][] inputdata = Xls\_DataProvider.getTestData("Sheet1");

return inputdata;

}

@AfterClass

public void CloseBrowser()

{

driver.close();

}

}

**Xls\_DataProvider .java file**

package starthealthScenario2;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import org.apache.poi.ss.usermodel.Sheet;

import org.apache.poi.ss.usermodel.Workbook;

import org.apache.poi.ss.usermodel.WorkbookFactory;

public class Xls\_DataProvider {

static Workbook book;

static Sheet sheet;

public static String testdata\_sheet\_path = "D:\\Desktop\\SKILLS\\TESTING\\excel\\Registerdata.xlsx";

public static Object[][] getTestData(String sheetName) throws FileNotFoundException

{

FileInputStream file = new FileInputStream(testdata\_sheet\_path);

try {

book = WorkbookFactory.create(file);

}

catch(IOException e)

{

e.printStackTrace();

}

sheet = book.getSheet(sheetName);

// datatype[][] arrayname = new datatype[lengthrow][length]

Object[][] inputData= new Object[sheet.getLastRowNum()][sheet.getRow(0).getLastCellNum()];

for(int i=0; i<sheet.getLastRowNum();i++) // row

{

for( int j=0; j<sheet.getRow(0).getLastCellNum();j++) // column

{

inputData[i][j]= sheet.getRow(i+1).getCell(j).toString();

}

}

return inputData;

}

}

**TestNGRunner.xml**

<suite name="PhaseEndProject" verbose="1">

<test name="starhealth001">

<parameter name="Name" value="admin"></parameter>

<parameter name="Mobile" value="9090808090"></parameter>

<parameter name="pin" value="123456"></parameter>

<classes >

<class name="starthealthScenario2.TestStarthealthPage"/>

</classes>

</test>

<test name="starhealth002">

<classes >

<class name="testNGAnnotations.AssertionDemo1"/>

</classes>

</test>

</suite>