

Phase 2 lesson project

Test Scenario: 1 [Cucumber + JUnit]

Step 1

Create a feature file

Feature: Test StartHealth webpage using cucumber

Scenario Outline: Validate the Star Health Buy Now flow

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

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/	vishnu	9090890978	vishnu@gmail.com	524230	

Step 2

Create the step file

1.base test

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:\\Users\\HP\\Downloads\\chromedriver\\chromedriver-win64\\chromedriver.exe");

driver = **new** ChromeDriver();

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

driver.manage().deleteAllCookies();

}

@After

```

        public void closeBrowser()
        {
            driver.quit();
        }
    }
}

```

2.buyhealth.java

```

package steps;
import static steps.BaseTest.driver;
import org.junit.Assert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
public class buyhealth {

    @Given("User launches the Star Health application with {string}")
    public void user_launches_the_star_health_application_with(String string) {
        driver.get("https://www.starhealth.in/");
    }

    @Then("User get home page title and Validates it")
    public void user_get_home_page_title_and_validates_it() {
        String actualTitle = driver.getTitle();
        String expectedTitle = "Star Health Insurance: Medical, Accident and Travel insurance
policies";
        Assert.assertEquals("The actual title does not match the expected title",
expectedTitle, actualTitle);
    }

    @Then("User clicks on the Buy Now button")
    public void user_clicks_on_the_buy_now_button() {

        WebElement buy =
driver.findElement(By.xpath("//*[@id=\"__next\"]/div/div/header/div[2]/div[1]/div[1]/div/div[2]/div/div[2]/div[2]/button/span"));
        buy.click();
    }

    @Then("User Enters data for {string},{string},{string},{string}")
    public void user_enters_data_for(String string, String string2, String string3, String string4) {
        WebElement e1 = driver.findElement(By.xpath("//*[@id=\"fullname\"]"));
        e1.sendKeys("vishnu");
        WebElement e2 = driver.findElement(By.xpath("//*[@id=\"mobile\"]"));
        e2.sendKeys("9090890978");
    }
}

```

```

        WebElement e3 = driver.findElement(By.xpath("//*[ @id=\"email\"]"));
        e3.sendKeys("vishnu@gmail.com");
        WebElement e4 = driver.findElement(By.xpath("//*[ @id=\"zipcode\"]"));
        e4.sendKeys("524230");

    }
    @Then("User click on getstarted button")
    public void user_click_on_getstarted_button() {
        WebElement started =
driver.findElement(By.xpath("/div/div/div/div[1]/div/div/div[2]/div/button"));
        started.click();

    }
    @Then("User select the checkbox for myself")
    public void user_select_the_checkbox_for_myself() {
        By checkboxLocator = By.xpath("//*[ @id=\"myself\"]");
        driver.findElement(checkboxLocator).click();

    }
    @Then("user navigates to the HomePage with {string}")
    public void user_navigates_to_the_home_page_with(String string) {
        String homePageUrl = "https://www.starhealth.in/";
        driver.get(homePageUrl);

    }
}

```

Step 3

Create the Runner 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\\HP\\eclipse-workspace\\Phase2-EndProject\\src\\test\\java\\features\\starHealth.f
eature",
    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 {
    }

```

=====

Test Scenario: 2 [TestNG + Selenium]

Step 1

Create a TestStarthealthPage java file

```

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

```

Step 2

Create the 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__nIUUp 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 formfamilylink =
driver.findElement(By.xpath("//div[@class='ant-popover-inner']/descendant::a[2]"));
        String link1 = formfamilylink.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);
    }
}

```

Step 3

Create the 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 = "C:\\Users\\HP\\Downloads\\project.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;

    }

}

```

Step 4

Create the testNGrunner xml file


```
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="PhaseEndProject" verbose="1">

  <test name="starhealth001">

    <parameter name="Name" value="admin"></parameter>
    <parameter name="Mobile" value="9090845746"></parameter>
    <parameter name="pin" value="546248"></parameter>
    <classes >
      <class name="starhealthScenario2.TestStarhealthPage"/>
    </classes>
  </test>
  <test name="starhealth002">
    <classes >
      <class name="testNGAnnotations.AssertionDemo1"/>

    </classes>
  </test>

</suite>
```

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Screenshots