**SBA – 6**

**Hybrid framework:**

**Cucumber + Jenkins + Maven + Selenium**

**Code:**

**Pom.xml:**

<project xmlns=*"http://maven.apache.org/POM/4.0.0"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>TestNg\_Cucumber</groupId>

<artifactId>TestNg\_Cucumber</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>5.7.0</version>

</dependency>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-testng</artifactId>

<version>5.7.0</version>

</dependency>

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.4.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>3.7.0</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.3</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.19.1</version>

<configuration>

<includes>

<exclude>

\*\*/\*testRunner.java

</exclude>

</includes>

</configuration>

</plugin>

</plugins>

</build>

</project>

**Test Runner:**

package cucumberjenkins;

import io.cucumber.testng.AbstractTestNGCucumberTests;

import io.cucumber.testng.CucumberOptions;

@CucumberOptions(

features = "src/test/resources/Features",

glue = "cucumberjenkins",

monochrome = true,

plugin= {"pretty", "html:target/HtmlReports"})

public class TestRunner extends AbstractTestNGCucumberTests {

}

**Step Definations:**

package cucumberjenkins;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.When;

public class StepDef {

public WebDriver driver;

@Given("Navigate to Browser")

public void navigate\_to\_browser() {

System.setProperty("webdriver.chrome.driver","C:\\Users\\heman\\Desktop\\UST\_Workspace\\ChromeDriverpath\\chromedriver.exe");

driver=new ChromeDriver();

driver.get("http://demo.guru99.com/test/newtours/register.php");

}

@When("Contact Information")

public void contact\_information() {

driver.findElement(By.name("firstName")).sendKeys("John");

driver.findElement(By.name("lastName")).sendKeys("Philip");

driver.findElement(By.name("phone")).sendKeys("1234567890");

driver.findElement(By.name("userName")).sendKeys("user");

}

@When("Mailing Information")

public void mailing\_information() {

driver.findElement(By.name("address1")).sendKeys("House no 14 hgj hhfbfvbfvffff");

driver.findElement(By.name("city")).sendKeys("Persia");

driver.findElement(By.name("state")).sendKeys("kerala");

driver.findElement(By.name("postalCode")).sendKeys("8905123");

driver.findElement(By.name("country")).click();

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[11]/td[2]/select/option[7]")).click();

}

@When("User Information")

public void user\_information() {

driver.findElement(By.xpath("//\*[@id=\"email\"]")).sendKeys("user");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[14]/td[2]/input")).sendKeys("user");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[15]/td[2]/input")).sendKeys("user");

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[17]/td/input")).click();

}

@When("Login Information")

public void login\_information() {

driver.findElement(By.linkText("Home")).click();

driver.findElement(By.name("userName")).sendKeys("user");

driver.findElement(By.name("password")).sendKeys("user");

driver.findElement(By.name("submit")).click();

}

@When("Preferences")

public void preferences() {

driver.findElement(By.linkText("Flights")).click();

//click on the Business class

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[9]/td[2]/font/font/input[1]")).click();

// click on Blue Skies Airlines

driver.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[10]/td[2]/select/option[2]")).click();

//Then click continue

driver.findElement(By.xpath(" /html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[14]/td/input")).click();

driver.findElement(By.xpath(" /html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr[1]/td[2]/table/tbody/tr[2]/td/a")).click();

driver.close();

}

}

**Feature file(Gherkin language):**

Feature: Cucumber-Selinieum-TestNG

Scenario: User Registrarion

Given Navigate to Browser

When Contact Information

When Mailing Information

When User Information

When Login Information

When Preferences

**Output:**



