**HYBRID FRAMEWORK SELENIUM FORMAT**

**Base class**

package BaseMent;

import java.io.IOException;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.support.PageFactory;

import org.testng.annotations.AfterClass;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

import LogData.LogInpage;

public class Base1 implements values {

// declares the driver variable of type WebDriver

public WebDriver driver;

@BeforeClass

public void openbrowser()

{

//launching the chrome browser

driver=new ChromeDriver();

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

driver.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);

driver.get(url);

}

@BeforeMethod

public void start() throws IOException, InterruptedException

{

LogData.LogInpage pm = PageFactory.initElements(driver, LogData.LogInpage.class);

pm.loginPage();

Thread.sleep(1000);

pm.validation();

}

@Test

public void LogInpage() throws InterruptedException, IOException

{

LogInpage pr = PageFactory.initElements(driver, LogInpage.class);

pr.checkout();

}

@AfterMethod

public void end() throws InterruptedException

{

LogData.LogInpage pn=PageFactory.initElements(driver, LogData.LogInpage.class);

pn.logout();

}

@AfterClass

public void close()

{

driver.close();

}

}

**ExcelValue**

package BaseMent;

import java.io.FileInputStream;

import java.io.IOException;

import org.apache.poi.hssf.usermodel.HSSFWorkbook;

public class ExcelValues implements values {

public static String fetchdata(String path,String sheet,int row,int cell) throws IOException {

FileInputStream file = new FileInputStream(***excelfilepath***);

HSSFWorkbook wb=new HSSFWorkbook(file);

String store=wb.getSheet(sheet).getRow(row).getCell(cell).getStringCellValue();

return store;

}

**value**

package BaseMent;

public interface values {

String ***url*** ="https://www.saucedemo.com/";

String ***excelfilepath***="C:\\Users\\Priyanka samal\\eclipse-workspace\\Selenium\_frameWork\_testing\_PR\\TestData\\Data.xls";

String ***excelsheetname***="Sheet1";

}

**Main file (Initialization,Declaration,utilization)**

package LogData;

import java.io.IOException;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

import BaseMent.Base1;

import BaseMent.ExcelValues;

import BaseMent.values;

public class LogInpage extends Base1 implements values{

WebDriver driver;

// Declration

*@FindBy*(name="user-name")

private WebElement username;

*@FindBy*(name="password")

private WebElement password;

*@FindBy*(name="login-button")

private WebElement loginbtn;

//Initialization

public LogInpage(WebDriver driver) {

this.driver=driver;

PageFactory.*initElements*(driver,this);

}

//utilization

public void checkout() throws InterruptedException, IOException {

//click to tshirt

tshirt.click();

String price = validateprice.getText();

//print the price tag

System.***out***.println(price);

Thread.*sleep*(2000);

//click to cart

addtocart.click();

Thread.*sleep*(1000);

//Fetches the excel data from excel values.

public void loginPage() throws IOException, InterruptedException {

username.sendKeys(ExcelValues.*fetchdata*(***excelfilepath***, ***excelsheetname***, 0, 1));

Thread.*sleep*(2000);

password.sendKeys(ExcelValues.*fetchdata*(***excelfilepath***, ***excelsheetname***, 1, 1));

Thread.*sleep*(2000);

loginbtn.click();

}

//validate the current Url

public void validation() {

String url = driver.getCurrentUrl();

String actualUrl ="https://www.saucedemo.com/inventory.html";

if(actualUrl.equals(url)) {

System.***out***.println("The URL is Correct");

}

else {

System.***out***.println("The URL is Incorrect");

}

}

// click to logout

public void logout() throws InterruptedException {

Thread.*sleep*(2000);

logout.click();

}

}

**POM CLASS**

<dependencies>

<dependency>

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

<artifactId>selenium-java</artifactId>

<version>4.9.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->

<dependency>

<groupId>io.github.bonigarcia</groupId>

<artifactId>webdrivermanager</artifactId>

<version>5.3.3</version>

</dependency>

<dependency>

<groupId>org.apache.poi</groupId>

<artifactId>poi</artifactId>

<version>3.17</version>

</dependency>

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.4.0</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->

<dependency>

<groupId>com.maventestone</groupId>

<artifactId>com.maventestone</artifactId>

<version>0.0.1-SNAPSHOT</version>

</dependency>

</dependencies>

</project>