**Source Code:**

**RestAssured codes:-**

**package** com.sportyshoe.restAssuredScripts;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**public** **class** Getallshoes {

@Test(priority='1')

**public** **void** get\_all\_shoes() {

RestAssured.*given*()

.baseUri("http://localhost:9010")

.basePath("/get-shoes")

.when()

.get()

.then()

.statusCode(200)

.log().all();

}

@Test(priority='2')

**public** **void** get\_all\_users() {

RestAssured.*given*()

.baseUri("http://localhost:9010")

.basePath("/get-users")

.when()

.get()

.then()

.statusCode(200)

.log().all();

}

}

**package** com.sportyshoe.restAssuredScripts;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**public** **class** PostandPutnewShoe {

@Test(priority='1')

**public** **void** get\_all\_users() {

RestAssured.*given*()

.baseUri("http://localhost:9010")

.basePath("/add-shoe")

.queryParam("id","1020")

.queryParam("image", "www.imge.com")

.queryParam("name","Nike")

.queryParam("category", "Running")

.queryParam("sizes","5,6,7")

.queryParam("price", "2000")

.when()

.post()

.then()

.log().all();

}

@Test(priority='2')

**public** **void** update\_a\_product() {

RestAssured.*given*()

.baseUri("http://localhost:9010")

.basePath("/update-shoe")

.queryParam("id","1020")

.queryParam("image", "www.imge123.com")

.queryParam("name","Reebok")

.queryParam("category", "Running")

.queryParam("sizes","5,6,7")

.queryParam("price", "2500")

.when()

.put()

.then()

.log().all();

}

@Test(priority='3')

**public** **void** delete\_product()

{

RestAssured.*given*()

.baseUri("http://localhost:9010")

.basePath("/delete-shoe")

.queryParam("id", "1020")

.when().delete()

.then().log().all();

}

}

Seleniumscripts:-

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** AddtoCartPage {

@FindBy(xpath="//a[@id=\"shoe101\"]")

WebElement viewShoeBTN;

@FindBy(xpath = "//a[@id='cart101']")

WebElement addtocartBTN;

@FindBy(xpath="//div[@class='alert alert-success']/descendant::p[1]")

WebElement successText;

JavascriptExecutor executor;

**public** AddtoCartPage(WebDriver driver) {

PageFactory.*initElements*(driver, **this**);

executor = (JavascriptExecutor) driver;

}

**public** **void** add\_product\_to\_cart() **throws** InterruptedException

{

executor.executeScript("arguments[0].click();", addtocartBTN);

}

**public** String validate\_success\_message()

{

String successtext = successText.getText();

**return** successtext;

}

}

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** HomePage **extends** TestBase {

@FindBy(xpath="//div[@class='container mt-3']/descendant::p[1]")

WebElement text;

@FindBy(linkText="New User? Register Here")

WebElement registerLink;

**public** HomePage(WebDriver driver) {

PageFactory.*initElements*(driver, **this**);

}

**public** String getURL\_page()

{

String URLnew = *driver*.getCurrentUrl();

**return** URLnew;

}

**public** String Validate\_Text\_On\_Page()

{

String pageText = text.getText();

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

**return** pageText;

}

**public** **void** click\_register\_link()

{

registerLink.click();

}

}

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** LoginPage {

@FindBy(xpath="//input[@id='email']")

WebElement loginEmail;

@FindBy(xpath="//input[@id='password']")

WebElement loginpassword;

@FindBy(xpath="//button[@type='submit']")

WebElement loginbtn;

@FindBy(linkText="Cart")

WebElement clickCart;

**public** LoginPage(WebDriver driver) {

PageFactory.*initElements*(driver, **this**);

}

**public** **void** user\_login()

{

loginEmail.sendKeys("sonal@gmail.com");

loginpassword.sendKeys("sonal@123");

loginbtn.click();

}

**public** **void** click\_cart()

{

clickCart.click();

}

}

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** OrderPage {

@FindBy(linkText="Orders")

WebElement orderlink;

**public** OrderPage(WebDriver driver) {

PageFactory.*initElements*(driver, **this**);

}

**public** **void** click\_orderPage()

{

orderlink.click();

}

}

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** RegisterPage **extends** TestBase{

@FindBy(xpath="//input[@id='name']")

WebElement registername;

@FindBy(xpath="//input[@id='email']")

WebElement registeremail;

@FindBy(xpath="//input[@id='password']")

WebElement registerpassword;

@FindBy(xpath="//button[@type='submit']")

WebElement registerBtn;

@FindBy(xpath="//div[@class='mt-4 p-5 bg-primary text-white rounded']/descendant::p[3]")

WebElement userText;

**public** RegisterPage(WebDriver driver) {

PageFactory.*initElements*(driver, **this**);

}

**public** **void** register\_user()

{

registername.sendKeys("sonal");

registeremail.sendKeys("sonal@gmail.com");

registerpassword.sendKeys("sonal@123");

registerBtn.click();

}

**public** String validate\_registration\_URL()

{

String register\_url = *driver*.getCurrentUrl();

**return** register\_url;

}

**public** String validate\_registration\_Text()

{

String user\_name = userText.getText();

**return** user\_name;

}

}

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.testng.annotations.Test;

**public** **class** SetupCheck {

@Test

**public** **void** test\_setup\_selenium()

{

WebDriver driver = **new** ChromeDriver();

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

driver.get("http://localhost:9010/");

String text = driver.findElement(By.*xpath*("//div[@class='container mt-3']/descendant::p[1]")).getText();

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

System.***out***.println(driver.getTitle());

}

}

**package** com.sportyshoe.SeleniumCucumberScripts;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** TestBase {

**public** **static** WebDriver *driver*;

**public** **static** **void** OpenBrowser(String browser)

{

**if**(browser == "Chrome")

{

*driver* = **new** ChromeDriver();

}

**if**(browser == "FireFox")

{

*driver* = **new** FirefoxDriver();

}

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

*driver*.manage().deleteAllCookies();

*driver*.get("http://localhost:9010/");

}

**public** **static** **void** closebrowser()

{

*driver*.close();

}

}

**package** com.sportyshoe.Tests;

**import** org.testng.Assert;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**import** com.sportyshoe.SeleniumCucumberScripts.AddtoCartPage;

**import** com.sportyshoe.SeleniumCucumberScripts.HomePage;

**import** com.sportyshoe.SeleniumCucumberScripts.LoginPage;

**import** com.sportyshoe.SeleniumCucumberScripts.RegisterPage;

**import** com.sportyshoe.SeleniumCucumberScripts.TestBase;

**public** **class** AddtoCartPageTest **extends** TestBase {

HomePage hp;

RegisterPage rp;

LoginPage lp;

AddtoCartPage ac;

@BeforeTest

**public** **void** start\_browser()

{

*OpenBrowser*("Chrome");

hp = **new** HomePage(*driver*);

rp = **new** RegisterPage(*driver*);

lp = **new** LoginPage(*driver*);

ac = **new** AddtoCartPage(*driver*);

}

@Test(priority='1')

**public** **void** test\_login()

{

lp.user\_login();

}

@Test(priority='2')

**public** **void** test\_add\_product\_to\_cart() **throws** InterruptedException

{

ac.add\_product\_to\_cart();

}

@Test(priority='3')

**public** **void** test\_validate\_success\_message()

{

String expected = "Message:Shoe BlueWave Running Shoes Added Successfully to Cart";

String actualText= ac.validate\_success\_message();

Assert.*assertEquals*(actualText, expected);

}

}

**package** com.sportyshoe.Tests;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**import** com.sportyshoe.SeleniumCucumberScripts.HomePage;

**import** com.sportyshoe.SeleniumCucumberScripts.TestBase;

**import** **static** org.testng.Assert.*assertEquals*;

**import** org.testng.Assert;

**import** org.testng.Assert.\*;

**public** **class** HomePageTest **extends** TestBase {

HomePage hp;

@BeforeTest

**public** **void** start\_browser()

{

*OpenBrowser*("Chrome");

hp = **new** HomePage(*driver*);

}

@Test(priority='1')

**public** **void** test\_getTitle\_page()

{

String expected = "http://localhost:9010/";

String Actual = hp.getURL\_page();

Assert.*assertEquals*(Actual, expected);

}

@Test(priority='2')

**public** **void** Test\_Validate\_Text\_On\_Page()

{

String expected = "Powered By Simplilearn";

String actualText = hp.Validate\_Text\_On\_Page();

Assert.*assertEquals*(actualText, expected);

}

@Test(priority='3')

**public** **void** test\_click\_register\_link() **throws** InterruptedException

{

Thread.*sleep*(1500);

hp.click\_register\_link();

}

}

**package** com.sportyshoe.Tests;

**import** org.testng.Assert;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**import** com.sportyshoe.SeleniumCucumberScripts.HomePage;

**import** com.sportyshoe.SeleniumCucumberScripts.LoginPage;

**import** com.sportyshoe.SeleniumCucumberScripts.RegisterPage;

**import** com.sportyshoe.SeleniumCucumberScripts.TestBase;

**public** **class** LoginPageTest **extends** TestBase {

HomePage hp;

RegisterPage rp;

LoginPage lp;

@BeforeTest

**public** **void** start\_browser()

{

*OpenBrowser*("Chrome");

hp = **new** HomePage(*driver*);

rp = **new** RegisterPage(*driver*);

lp = **new** LoginPage(*driver*);

}

@Test(priority='1')

**public** **void** test\_login()

{

lp.user\_login();

}

@Test(priority='2')

**public** **void** test\_getTitle\_page()

{

String expected = "http://localhost:9010/login";

String Actual = hp.getURL\_page();

Assert.*assertEquals*(Actual, expected);

}

@Test(priority='3')

**public** **void** Test\_validate\_registration\_Text()

{

String expected = "Hello sonal !";

String actualText = rp.validate\_registration\_Text();

Assert.*assertEquals*(actualText, expected);

}

@Test(priority='4')

**public** **void** test\_click\_cart()

{

lp.click\_cart();

}

}

**package** com.sportyshoe.Tests;

**import** org.testng.Assert;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**import** com.sportyshoe.SeleniumCucumberScripts.HomePage;

**import** com.sportyshoe.SeleniumCucumberScripts.LoginPage;

**import** com.sportyshoe.SeleniumCucumberScripts.OrderPage;

**import** com.sportyshoe.SeleniumCucumberScripts.RegisterPage;

**import** com.sportyshoe.SeleniumCucumberScripts.TestBase;

**public** **class** OrderPageTest **extends** TestBase {

HomePage hp;

RegisterPage rp;

LoginPage lp;

OrderPage op;

@BeforeTest

**public** **void** start\_browser()

{

*OpenBrowser*("Chrome");

hp = **new** HomePage(*driver*);

rp = **new** RegisterPage(*driver*);

lp = **new** LoginPage(*driver*);

op = **new** OrderPage(*driver*);

}

@Test(priority='1')

**public** **void** test\_login()

{

lp.user\_login();

}

@Test(priority='2')

**public** **void** test\_click\_orders()

{

op.click\_orderPage();

}

@Test(priority='3')

**public** **void** test\_getTitle\_page()

{

String expected = "http://localhost:9010/orders";

String Actual = hp.getURL\_page();

Assert.*assertEquals*(Actual, expected);

}

}

**package** com.sportyshoe.Tests;

**import** **static** org.testng.Assert.*assertEquals*;

**import** org.testng.Assert;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**import** com.sportyshoe.SeleniumCucumberScripts.HomePage;

**import** com.sportyshoe.SeleniumCucumberScripts.RegisterPage;

**import** com.sportyshoe.SeleniumCucumberScripts.TestBase;

**public** **class** RegisterPageTest **extends** TestBase {

HomePage hp;

RegisterPage rp;

@BeforeTest

**public** **void** start\_browser()

{

*OpenBrowser*("Chrome");

hp = **new** HomePage(*driver*);

rp = **new** RegisterPage(*driver*);

}

@Test(priority='1')

**public** **void** test\_click\_register\_link() **throws** InterruptedException

{

Thread.*sleep*(1500);

hp.click\_register\_link();

}

@Test(priority='2')

**public** **void** test\_getTitle\_page()

{

String expected = "http://localhost:9010/register";

String Actual = hp.getURL\_page();

Assert.*assertEquals*(Actual, expected);

}

@Test(priority='3')

**public** **void** Test\_register\_user()

{

rp.register\_user();

}

@Test(priority='4')

**public** **void** Test\_validate\_registration\_URL()

{

String expected = "http://localhost:9010/register-user";

String Actual = rp.validate\_registration\_URL();

*assertEquals*(Actual, expected);

}

@Test(priority='5')

**public** **void** Test\_validate\_registration\_Text()

{

String expected = "Hello sonal !";

String actualText = rp.validate\_registration\_Text();

Assert.*assertEquals*(actualText, expected);

}

}