**Capstone Project Source Code**

**Selenium Code:**

SportyShoeScripts:

**SportyShoe Class Code:**

package in.Simplilearn.SportyShoesScripts;

import org.openqa.selenium.JavascriptExecutor;

import org.testng.Assert;

import org.testng.annotations.Test;

import in.Simplilearn.SportyShoes.AddtoCartPage;

import in.Simplilearn.SportyShoes.LandingPage;

import in.Simplilearn.SportyShoes.LoginPage;

import in.Simplilearn.SportyShoes.PlaceOrder;

import in.Simplilearn.SportyShoes.RegisterPage;

public class SportyShoe extends BaseTest{

@Test

public void buyShoes() throws InterruptedException {

LandingPage landingPage = new LandingPage(driver);

landingPage.clickNewUserRegister();

RegisterPage registerPage =new RegisterPage(driver);

registerPage.entername("sindhu");

registerPage.enteremail("abcd@gmail.com");

registerPage.enterpassword("12345");

registerPage.clickNewRegister();

registerPage.clickLogout();

LoginPage loginPage=new LoginPage(driver);

loginPage.enterEmail("abcd@gmail.com");

loginPage.enterPassword("12345");

loginPage.clickLogin()

AddtoCartPage addtocartpage = new AddtoCartPage(driver);

JavascriptExecutor js1 = (JavascriptExecutor) driver;

js1.executeScript("window.scrollBy(0,1000)","");

Thread.sleep(3000);

addtocartpage.addCart();

PlaceOrder placeorder=new PlaceOrder(driver);

placeorder.clickhome();

placeorder.clickCart();

Thread.sleep(2000);

JavascriptExecutor js2 = (JavascriptExecutor) driver;

js2.executeScript("window.scrollBy(0,1000)","");

placeorder.clickOnPlaceOrder();

String exceptedErrmsg="Success!";

String actualErrmsg=placeorder.VerifyText();

Assert.assertEquals(exceptedErrmsg,actualErrmsg);

}}

**BaseTest Class Code:**

package in.Simplilearn.SportyShoesScripts;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

public class BaseTest {

WebDriver driver;

@BeforeTest

public void launchApplication() {

//1 Open the browser

driver = new ChromeDriver();

//2. Maximize to https://www.amazon.in/

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

//Navigate to

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

}

//11. Close the browser

@AfterTest

public void closeBrowser() {

driver.quit();

}

}

**RegisterPage:**

package in.Simplilearn.SportyShoes;

import org.openqa.selenium.By;

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 {

@FindBy(id = "name")

private static WebElement name;

@FindBy(id="email")

private static WebElement email;

@FindBy(id = "password")

private static WebElement password;

@FindBy(xpath="//button[contains(text(),'Register')]")

private WebElement register;

@FindBy(linkText="Logout")

private WebElement logoutBTN;

public static void entername(String username) {

name.sendKeys(username);

}

public static void enteremail(String mailid) {

email.click();

email.sendKeys(mailid);

}

public static void enterpassword(String pwd) {

password.clear();

password.sendKeys(pwd);

}

public void clickregister() throws InterruptedException {

Thread.sleep(2000);

register.click()

public RegisterPage(WebDriver driver) {

PageFactory.initElements(driver, this)

}

public void clickNewRegister() {

register.click()

}

public void clickLogout() {

logoutBTN.click();

}}

**LandingPage:**

package in.Simplilearn.SportyShoes;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class LandingPage {

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

private WebElement NewUserRegister;

public LandingPage(WebDriver driver) {

PageFactory.initElements(driver,this);

}

public void clickNewUserRegister() {

NewUserRegister.click();

}

}

**LoginPage:**

package in.Simplilearn.SportyShoes;

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(id="email")

private WebElement email;

@FindBy(id="password")

private WebElement password;

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

private WebElement LoginBtn;

public LoginPage(WebDriver driver) {

PageFactory.initElements(driver,this);

}

public void enterEmail(String mailid) {

email.click();

email.sendKeys(mailid);

}

public void enterPassword(String pwd) {

password.click();

password.sendKeys(pwd);

}

public void clickLogin() {

LoginBtn.click();

}}

**AddtoCartPage:**

package in.Simplilearn.SportyShoes;

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[contains(@class,'btn btn-primary')])[1]")

private WebElement Addcart;

public AddtoCartPage(WebDriver driver) {

PageFactory.initElements(driver,this);

}

public void addCart() throws InterruptedException {

Thread.sleep(2000);

Addcart.click();

}}

**PlaceOrder:**

package in.Simplilearn.SportyShoes;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class PlaceOrder {

@FindBy(linkText="Home")

private WebElement home;

@FindBy(linkText="Cart")

private WebElement cart;

@FindBy(linkText="Place Order")

private WebElement placeorder;

@FindBy(css="body > div:nth-child(3) > div > strong")

private WebElement verifyMsg;

public PlaceOrder(WebDriver driver) {

PageFactory.initElements(driver,this);

}

public void clickhome() {

home.click();

}

public void clickCart() {

cart.click();

}

public void clickOnPlaceOrder() throws InterruptedException {

Thread.sleep(3000);

placeorder.click();

}

public String VerifyText() {

String text=verifyMsg.getText();

return text;

}}

**RestAssured Code**

**GetProduct Class Code:**

package in.Simplilearn.SportyShoes1;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class GETProducts {

@Test

public void getServerResponse() {

RestAssured

.when()

.get("http://localhost:9010/get-users")

.then()

.assertThat()

.statusCode(200)

.log().all();

}}

**GetShoes Class Code :**

package in.Simplilearn.SportyShoes1;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class GETShoes {

@Test

public void getServerResponse() {

RestAssured

.when()

.get("http://localhost:9010/get-shoes")

.then()

.assertThat()

.statusCode(200)

.log().all();

}}

**Post Code:**

package in.Simplilearn.SportyShoes1;

import java.util.HashMap;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class POSTSportShoe {

HashMap<String, String> map = new HashMap<String, String>();

@Test

public void getServerResponse() {

RestAssured

.when()

.post("http://localhost:9010/add-shoe?id=101&image=image\_url&name=SampleShoe&category=Running&sizes=9&price=1000")

.then()

.assertThat()

.statusCode(200)

.log().all();

}}