1. package newCon;

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.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class Assignment1 {

// Assignment 1 – Action Class

//

// Objective: Practice mouse and keyboard interactions.

//

// Scenario:

//

// Open the DemoQA site → https://demoqa.com/buttons

//

// Perform:

//

// Double Click on “Double Click Me” button.

//

// Right Click on “Right Click Me” button.

//

// Single Click on the third “Click Me” button.

//

// Print the text messages that appear after each click action.

//

// Extra Challenge:

//

// Visit https://demoqa.com/dragabble and drag the element from its position to another point.

WebDriver driver;

Actions actions;

@BeforeTest

public void setup() {

driver = new ChromeDriver();

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

driver.get("https://demoqa.com/buttons");

actions = new Actions(driver);

}

@Test

public void mouseKeyboardActions() throws InterruptedException {

driver.get("https://demoqa.com/buttons");

WebElement dblClkBtn = driver.findElement(By.id("doubleClickBtn"));

actions.doubleClick(dblClkBtn).perform();

String dblclkmsg = driver.findElement(By.id("doubleClickMessage")).getText();

System.out.println("Double Click Message: " + dblclkmsg);

Thread.sleep(4000);

WebElement rClBtn = driver.findElement(By.id("rightClickBtn"));

actions.contextClick(rClBtn).perform();

String rClmsg = driver.findElement(By.id("rightClickMessage")).getText();

System.out.println("Right Click Message: " + rClmsg);

Thread.sleep(4000);

WebElement clkmebtn = driver.findElement(By.xpath("//button[text()='Click Me']"));

actions.click(clkmebtn).perform();

String sclmsg = driver.findElement(By.id("dynamicClickMessage")).getText();

System.out.println("Single Click Message: " + sclmsg);

}

@Test

public void dragElement() throws InterruptedException {

driver.get("https://demoqa.com/dragabble");

WebElement dragBox = driver.findElement(By.id("dragBox"));

Thread.sleep(4000);

actions.dragAndDropBy(dragBox, 180, 40).perform();

System.out.println("Dragged successfully.");

Thread.sleep(4000);

}

@AfterTest

public void tearDown() {

if (driver != null) {

driver.quit();

System.out.println("Successfull Done");

}

}

}

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.support.ui.Select;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

import java.util.List;

public class Assignment2 {

// Assignment 2 – Select Class

// Objective: Work with dropdowns and multi-select options.

// Scenario:

// Open the DemoQA site → https://demoqa.com/select-menu

// Perform:

// Select “Blue” from the old-style dropdown.

// Select multiple options from the multi-select dropdown (e.g., “Green”, “Yellow”, “Black”).

// Verify and print the selected options.

// Extra Challenge:

// Select options using both selectByVisibleText and selectByIndex.

WebDriver driver;

@BeforeTest

public void setup() {

driver = new ChromeDriver();

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

}

@Test

public void selectDropdowns() throws InterruptedException {

driver.get("https://demoqa.com/select-menu");

WebElement oldStyleDropdown = driver.findElement(By.id("oldSelectMenu"));

Select select1 = new Select(oldStyleDropdown);

select1.selectByVisibleText("Blue");

String selectedColor = select1.getFirstSelectedOption().getText();

System.out.println("Selected from Old-Style Dropdown: " + selectedColor);

WebElement multiSelectDropdown = driver.findElement(By.id("cars"));

Select select2 = new Select(multiSelectDropdown);

select2.selectByVisibleText("Green");

select2.selectByVisibleText("Yellow");

select2.selectByVisibleText("Black");

select2.selectByIndex(0);

select2.selectByIndex(2);

List<WebElement> allSelectedOptions = select2.getAllSelectedOptions();

System.out.println("Selected options from Multi-Select Dropdown:");

for (WebElement option : allSelectedOptions) {

System.out.println(" - " + option.getText());

}

}

@AfterTest

public void tearDown() {

driver.quit();

}

}

3.

package newCon;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.Alert;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

import java.time.Duration;

public class Assignment3 {

// Assignment 3 – Alerts

//

// Objective: Handle different types of alerts.

//

// Scenario:

//

// Open the DemoQA site → https://demoqa.com/alerts

//

// Perform:

//

// Click the button to see an alert, accept it.

//

// Click the “On button click, confirm box will appear” button, dismiss the alert.

//

// Click the “Prompt Box” button, enter your name, and accept it.

// Capture and print the alert messages before accepting/dismissing.

WebDriver driver;

@BeforeTest

public void setup() {

driver = new ChromeDriver();

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

}

@Test

public void handleAlerts() throws InterruptedException {

driver.get("https://demoqa.com/alerts");

driver.findElement(By.id("alertButton")).click();

Alert simpleAlert = driver.switchTo().alert();

System.out.println("Simple Alert Message: " + simpleAlert.getText());

simpleAlert.accept();

Thread.sleep(4000);

driver.findElement(By.id("confirmButton")).click();

Alert confirmAlert = driver.switchTo().alert();

System.out.println("Confirm Alert Message: " + confirmAlert.getText());

confirmAlert.dismiss();

Thread.sleep(4000);

driver.findElement(By.id("promtButton")).click();

Alert promptAlert = driver.switchTo().alert();

System.out.println("Prompt Alert Message: " + promptAlert.getText());

promptAlert.sendKeys("Narasimha");

promptAlert.accept();

Thread.sleep(4000);

String result = driver.findElement(By.id("promptResult")).getText();

System.out.println("Prompt Result on Page: " + result);

driver.findElement(By.id("timerAlertButton")).click();

Thread.sleep(4000);

WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));

wait.until(ExpectedConditions.alertIsPresent()); // wait dynamically

Thread.sleep(4000);

Alert timedAlert = driver.switchTo().alert();

System.out.println("Timed Alert Message: " + timedAlert.getText());

timedAlert.accept();

}

@AfterTest

public void tearDown() {

driver.quit();

}

}