**Day-24 Assignment**

1.Create 2 test cases, disable one using enabled = false, and run only the active test.

Ans: package TestNG\_package;

import org.testng.annotations.Test;

import org.testng.annotations.BeforeTest;

import java.time.Duration;

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.WebDriverWait;

public class practice1 {

WebDriver driver;

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

*@BeforeTest*

public void beforeTest() {

driver = new ChromeDriver();

driver.get("https://www.amazon.in/");

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

System.***out***.println("Pre-requisite: Opened amazon homepage");

}

*@Test*(priority=1, enabled = true)

public void login() throws InterruptedException{

driver.findElement(By.*id*("nav-link-accountList-nav-line-1")).click();

Thread.*sleep*(1000);

driver.findElement(By.*id*("ap\_email\_login")).sendKeys("9704714559");

Thread.*sleep*(1000);

driver.findElement(By.*className*("a-button-input")).click();

Thread.*sleep*(1000);

driver.findElement(By.*id*("ap\_password")).sendKeys("nara1234");

Thread.*sleep*(1000);

driver.findElement(By.*id*("signInSubmit")).click();

}

*@Test*(priority=2, enabled = false)

public void changeAddress() throws InterruptedException {

driver.findElement(By.*id*("glow-ingress-line2")).click();

Thread.*sleep*(2000);

WebElement pincodeInput = driver.findElement(By.*id*("GLUXZipUpdateInput"));

pincodeInput.clear();

pincodeInput.sendKeys("500081");

Thread.*sleep*(1000);

driver.findElement(By.*xpath*("//input[@aria-labelledby='GLUXZipUpdate-announce']")).click();

Thread.*sleep*(3000);

driver.findElement(By.*xpath*("//button[@name='glowDoneButton']")).click();

}

}

2. Write a test to run the same test multiple times.

package TestNG\_package;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

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

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class practice2 {

WebDriver driver;

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

*@BeforeTest*

public void beforeTest() {

driver = new ChromeDriver();

driver.get("https://www.amazon.in/");

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

System.***out***.println("Pre-requisite: Opened amazon homepage");

}

*@Test*(priority=1,invocationCount=4)

public void search() throws InterruptedException {

driver.findElement(By.*id*("twotabsearchtextbox")).clear();

driver.findElement(By.*id*("twotabsearchtextbox")).sendKeys("toys");

Thread.*sleep*(1000);

driver.findElement(By.*id*("nav-search-submit-button")).click();

Thread.*sleep*(2000);

}

}

3. Write test cases for a dummy login page using @Parameters in testng.xml.

Ans: package TestNG\_package;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class practice6 {

WebDriver driver;

*@BeforeMethod*

public void setUp() {

driver = new ChromeDriver();

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

driver.get("http://zero.webappsecurity.com/login.html");

}

*@Parameters*({"username", "password"})

*@Test*

public void loginTest(String username, String password) throws InterruptedException {

driver.findElement(By.*id*("username")).sendKeys(username);

driver.findElement(By.*id*("password")).sendKeys(password);

driver.findElement(By.*id*("loginBtn")).click();

Thread.*sleep*(2000);

String pageTitle = driver.getTitle();

System.***out***.println("Login attempted with: " + username + " | Page Title: " + pageTitle);

}

*@AfterMethod*

public void Hi() {

driver.quit();

}

}

Xml file:

<suite name="ParallelSuite" parallel="classes" thread-count="3">

<test name="ParallelTestExecution">

<parameter name="username" value="admin"/>

<parameter name="password" value="admin@123123"/>

<classes>

<class name="TestNG\_package.practice5a"/>

<class name="TestNG\_package.practice5b"/>

<class name="TestNG\_package.LoginTest"/>

</classes>

</test>

</suite>

4. Write dependent test cases:

login()

search Product() (depends on login)

logout() (depends on search)

Ans: package TestNG\_package;

import java.time.Duration;

import java.util.ArrayList;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

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

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class practice3 {

WebDriver driver;

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

*@BeforeTest*

public void beforeTest() {

driver = new ChromeDriver();

driver.get("https://www.amazon.in/");

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

System.***out***.println("Pre-requisite: Opened amazon homepage");

}

*@Test*(priority=1)

public void login() throws InterruptedException{

driver.findElement(By.*id*("nav-link-accountList-nav-line-1")).click();

Thread.*sleep*(1000);

driver.findElement(By.*id*("ap\_email\_login")).sendKeys("9704714559");

Thread.*sleep*(1000);

driver.findElement(By.*className*("a-button-input")).click();

Thread.*sleep*(1000);

driver.findElement(By.*id*("ap\_password")).sendKeys("nara1234");

Thread.*sleep*(1000);

driver.findElement(By.*id*("signInSubmit")).click();

}

*@Test*(priority=2,dependsOnMethods="login")

public void search() throws InterruptedException {

List<String> items = new ArrayList<>();

items.add("toys");

items.add("mobile");

items.add("cars");

for (String item : items) {

driver.findElement(By.*id*("twotabsearchtextbox")).clear();

driver.findElement(By.*id*("twotabsearchtextbox")).sendKeys(item);

Thread.*sleep*(1000);

driver.findElement(By.*id*("nav-search-submit-button")).click();

Thread.*sleep*(2000);

}

}

*@Test*(priority=3,dependsOnMethods="login")

public void logout() throws InterruptedException{

driver.findElement(By.*xpath*("//button[@aria-label='Expand Account and Lists']")).click();

Thread.*sleep*(1000);

driver.findElement(By.*xpath*("//\*[@id=\"nav-item-signout\"]/span")).click();

Thread.*sleep*(2000);

}

}

5.Use Data Provider to supply multiple sets of usernames/passwords to a login test.

ANS: package TestNG\_package;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

public class practice4 {

@DataProvider(name = "loginData")

public Object[][] getLoginData() {

return new Object[][] {

{"username","password"},

{"admin", "adminn"},

{"use", "pa"},

{"admin", "password"},

{"admin", "admin@123"},

};

}

@Test(dataProvider = "loginData")

public void testLogin(String username, String password) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.get("http://zero.webappsecurity.com/login.html");

driver.findElement(By.id("user\_login")).sendKeys(username);

driver.findElement(By.id("user\_password")).sendKeys(password);

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

Thread.sleep(2000);

System.out.println("Tried login with Username: " + username + " | Password: " + password);

driver.quit();

}

}

6.Run test cases in parallel (methods, classes, tests) using parallel attribute in testng.xml.

Ans: package TestNG\_package;

import org.testng.annotations.Test;

public class practice5a {

*@Test*

public void testA() throws InterruptedException {

System.***out***.println("TestA running on thread: " + Thread.*currentThread*().getId());

Thread.*sleep*(2000);

}

*@Test*

public void testB() throws InterruptedException {

System.***out***.println("TestB running on thread: " + Thread.*currentThread*().getId());

Thread.*sleep*(2000);

}

}

package TestNG\_package;

import org.testng.annotations.Test;

public class practice5b {

*@Test*

public void testC() throws InterruptedException {

System.***out***.println("TestC running on thread: " + Thread.*currentThread*().getId());

Thread.*sleep*(2000);

}

*@Test*

public void testD() throws InterruptedException {

System.***out***.println("TestD running on thread: " + Thread.*currentThread*().getId());

Thread.*sleep*(2000);

}

}

Xml:

<suite name="ParallelSuite" parallel="classes" thread-count="3">

<test name="ParallelTestExecution">

<parameter name="username" value="admin"/>

<parameter name="password" value="admin@123123"/>

<classes>

<class name="TestNG\_package.practice5a"/>

<class name="TestNG\_package.practice5b"/>

<class name="TestNG\_package.LoginTest"/>

</classes>

</test>

</suite>