**SourceCodes**

**RegistrationTesting.java**

**package** com.abc;

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

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

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

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

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

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

**public** **class** RegistrationTesting {

**private** String driverPath="E://chromedriver.exe";

**public** WebDriver driver;

@Test

**public** **void** f() {

driver.get("https://www.facebook.com/reg/");

*sleep*(5000);

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

*sleep*(2000);

driver.findElement(By.*name*("firstname")).sendKeys("Lisa");

driver.findElement(By.*name*("lastname")).sendKeys("Karter");

*sleep*(2000);

driver.findElement(By.*name*("reg\_email\_\_")).sendKeys("lisa123@mail.com");

driver.findElement(By.*name*("reg\_email\_confirmation\_\_")).sendKeys("lisa123@mail.com");

*sleep*(2000);

driver.findElement(By.*id*("password\_step\_input")).sendKeys("klasdjf3214");

driver.findElement(By.*id*("day")).sendKeys("1");

driver.findElement(By.*id*("month")).sendKeys("Jan");

driver.findElement(By.*id*("year")).sendKeys("2001");

*sleep*(2000);

driver.findElement(By.*className*("\_8esa")).click();

*sleep*(2000);

driver.findElement(By.*name*("websubmit")).click();

}

@BeforeTest

**public** **void** beforeTest() {

System.*setProperty*("webdriver.chrome.driver", driverPath);

driver=**new** ChromeDriver();

}

@AfterTest

**public** **void** afterTest() {

}

**private** **static** **void** sleep(**long** m) {

**try** {

Thread.*sleep*(m);

} **catch** (InterruptedException e) {

e.printStackTrace();

}

}

}

**RegistrationTesting XML suite:**

<?xml version="1.0" encoding="UTF-8"?>

<suite parallel="false" name="Suite">

<test name="Test">

<listeners>

<listener class-name="org.uncommons.reportng.HTMLReporter"/>

<listener class-name="org.uncommons.reportng.JUnitXMLReporter"/>

</listeners>

<classes>

<class name="com.abc.AdddToKart"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**LoginTesting.java:**

**package** com.abc;

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

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

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

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

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

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

**import** org.testng.Assert;

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

**public** **class** LoginTesting {

**private** String driverPath="E:\\chromedriver.exe";

WebDriver driver;

@Test

**public** **void** f() {

driver.get("https://www.facebook.com/login/");

*sleep*(5000);

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

*sleep*(5000);

driver.findElement(By.*id*("email")).sendKeys("lisa@gmail.com");

*sleep*(5000);

driver.findElement(By.*id*("pass")).sendKeys("123456789");

*sleep*(5000);

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

WebElement errorMessage = driver.findElement(By.*xpath*("(//div[@class='\_9ay7'])"));

String expectedErrorMessage= "The password that you've entered is incorrect. Forgotten password?";

String actualErrorMessage = errorMessage.getText();

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

Assert.*assertTrue*(actualErrorMessage.contains(expectedErrorMessage),"Actual error message does not contain expected."

+ "\nActual:" + actualErrorMessage + "\n Expected:" +expectedErrorMessage);

}

@BeforeTest

**public** **void** beforeTest() {

System.*setProperty*("webdriver.chrome.driver", driverPath);

driver=**new** ChromeDriver();

}

@AfterTest

**public** **void** afterTest() {

}

**private** **static** **void** sleep(**long** m) {

**try** {

Thread.*sleep*(m);

} **catch** (InterruptedException e) {

e.printStackTrace();

}

}

}

**LoginTesting XML suite file:**

<?xml version="1.0" encoding="UTF-8"?>

<suite parallel="false" name="Suite">

<test name="Test">

<listeners>

<listener class-name="org.uncommons.reportng.HTMLReporter"/>

<listener class-name="org.uncommons.reportng.JUnitXMLReporter"/>

</listeners>

<classes>

<class name="com.abc.LoginTesting"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**SearchBar.java:**

**package** com.abc;

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

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

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

**import** org.openqa.selenium.Keys;

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

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

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

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

**public** **class** SearchBar {

**private** String driverPath="E:\\chromedriver.exe";

WebDriver driver;

@Test

**public** **void** f() {

driver.get("https://www.flipkart.com/");

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

WebElement ele= driver.findElement(By.*name*("q"));

ele.sendKeys("selenium book");

ele.sendKeys(Keys.***RETURN***);

}

@BeforeTest

**public** **void** beforeTest() {

System.*setProperty*("webdriver.chrome.driver", driverPath);

driver=**new** ChromeDriver();

}

@AfterTest

**public** **void** afterTest() {

}

}

**searchBar XML suite file:**

<?xml version="1.0" encoding="UTF-8"?>

<suite parallel="false" name="Suite">

<listeners>

<listener class-name="org.uncommons.reportng.HTMLReporter"/>

<listener class-name="org.uncommons.reportng.JUnitXMLReporter"/>

</listeners>

<test name="Test">

<classes>

<class name="com.abc.SearchBar"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**AdddToKart.java:**

**package** com.abc;

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

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

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

**import** org.openqa.selenium.Keys;

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

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

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

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

**public** **class** AdddToKart {

**private** String driverPath="E:\\chromedriver.exe";

WebDriver driver;

@Test

**public** **void** addToKart() {

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

driver.get("https://www.flipkart.com/absolute-beginner-part-1-java-4-selenium-webdriver/p/itmf8uu5aaajwdy2?pid=9781530408368&lid=LSTBOK9781530408368HMZBCR&marketplace=FLIPKART&q=Selenium+book&store=bks&srno=s\_1\_1&");

driver.findElement(By.*xpath*("(//button[contains(.,'ADD TO CART')])")).click();

}

@BeforeTest

**public** **void** beforeTest() {

System.*setProperty*("webdriver.chrome.driver", driverPath);

driver=**new** ChromeDriver();

}

@AfterTest

**public** **void** afterTest() {

}

}

**addToKart XML suite file:**

<?xml version="1.0" encoding="UTF-8"?>

<suite parallel="false" name="Suite">

<test name="Test">

<listeners>

<listener class-name="org.uncommons.reportng.HTMLReporter"/>

<listener class-name="org.uncommons.reportng.JUnitXMLReporter"/>

</listeners>

<classes>

<class name="com.abc.AdddToKart"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**pom.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<project xmlns=*"http://maven.apache.org/POM/4.0.0"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>com.abc</groupId>

<artifactId>Automate\_the\_Web\_Application</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>Automate\_the\_Web\_Application</name>

<!-- FIXME change it to the project's website -->

<url>http://www.example.com</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>1.7</maven.compiler.source>

<maven.compiler.target>1.7</maven.compiler.target>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.11</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->

<dependency>

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

<artifactId>selenium-java</artifactId>

<version>4.4.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.testng/testng -->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.6.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>commons-io</groupId>

<artifactId>commons-io</artifactId>

<version>2.6</version>

</dependency>

<dependency>

<groupId>org.uncommons</groupId>

<artifactId>reportng</artifactId>

<version>1.1.4</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>velocity</groupId>

<artifactId>velocity-dep</artifactId>

<version>1.4</version>

</dependency>

<dependency>

<groupId>com.google.inject</groupId>

<artifactId>guice</artifactId>

<version>3.0</version>

</dependency>

</dependencies>

<build>

<pluginManagement><!-- lock down plugins versions to avoid using Maven

defaults (may be moved to parent pom) -->

<plugins>

<!-- clean lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#clean\_Lifecycle -->

<plugin>

<artifactId>maven-clean-plugin</artifactId>

<version>3.1.0</version>

</plugin>

<!-- default lifecycle, jar packaging: see https://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin\_bindings\_for\_jar\_packaging -->

<plugin>

<artifactId>maven-resources-plugin</artifactId>

<version>3.0.2</version>

</plugin>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.0</version>

</plugin>

<plugin>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.22.1</version>

</plugin>

<plugin>

<artifactId>maven-jar-plugin</artifactId>

<version>3.0.2</version>

</plugin>

<plugin>

<artifactId>maven-install-plugin</artifactId>

<version>2.5.2</version>

</plugin>

<plugin>

<artifactId>maven-deploy-plugin</artifactId>

<version>2.8.2</version>

</plugin>

<!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#site\_Lifecycle -->

<plugin>

<artifactId>maven-site-plugin</artifactId>

<version>3.7.1</version>

</plugin>

<plugin>

<artifactId>maven-project-info-reports-plugin</artifactId>

<version>3.0.0</version>

</plugin>

</plugins>

</pluginManagement>

</build>

</project>