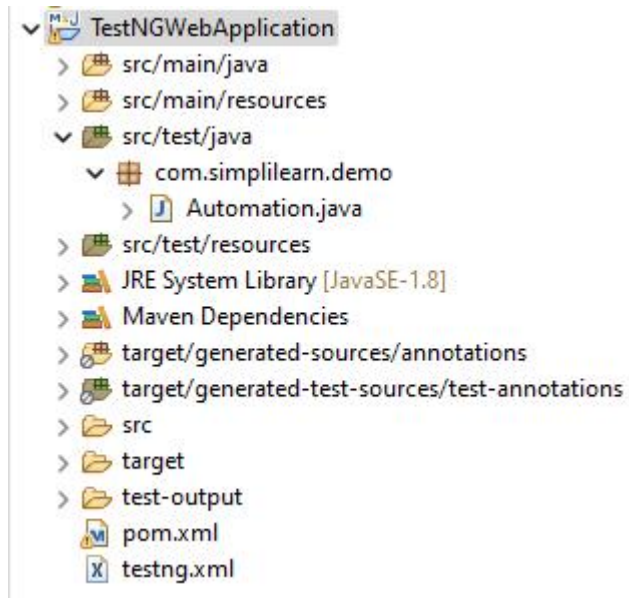# Phase_5 : Practice Project_2

Automate the Web Application using TestNG

Source Code -

1. pom.xml :

```xml
<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
https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>TestNGWebApplication</groupId>

<artifactId>TestNGWebApplication</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>TestNGWebApplication Maven Webapp</name>

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

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

<properties>

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

</properties>

<dependencies>
```

```xml
<dependency>
<groupId>org.seleniumhq.selenium</groupId>
<artifactId>selenium-java</artifactId>
<version>4.10.0</version>
</dependency>
<dependency>
<groupId>org.seleniumhq.selenium</groupId>
<artifactId>selenium-chrome-driver</artifactId>
<version>4.10.0</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-firefox-driver -->
<dependency>
<groupId>org.seleniumhq.selenium</groupId>
<artifactId>selenium-firefox-driver</artifactId>
<version>4.10.0</version>
</dependency>
<dependency>
<groupId>org.testng</groupId>
<artifactId>testng</artifactId>
<version>7.8.0</version>
<scope>compile</scope>
</dependency>
<dependency>
<groupId>org.uncommons</groupId>
<artifactId>reportng</artifactId>
<version>1.1.4</version>
```

```xml
        </dependency>

        <dependency>

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

        <artifactId>guice</artifactId>

        <version>4.2.2</version>

        </dependency>

        </dependencies>

        <build>

        <plugins>

        <plugin>

        <groupId>org.apache.maven.plugins</groupId>

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

        <configuration>

        <source>1.8</source>

        <target>1.8</target>

        </configuration>

        </plugin>

        <plugin>

        <groupId>org.apache.maven.plugins</groupId>

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

        <configuration>

        <suiteXmlFiles>

        <suiteXmlFile>testng.xml</suiteXmlFile>

        </suiteXmlFiles>

        <properties>

        <property>

        <name>usedefaultlisteners</name>

        <value>false</value>
```

```xml
</property>

<property>

<name>listener</name>

<value>org.uncommons.reportng.HTMLReporter,

org.uncommons.reportng.JUnitXMLReporter

</value>

</property>

</properties>

</configuration>

</plugin>

</plugins>

</build>

</project>
```

2. testng.xml :

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

<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">

<suite name="Suite">

<listeners>

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

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

</listeners>

<test thread-count="5" name="Test">

<classes>

<class name="com.simplilearn.demo.Automation"/>

</classes>

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

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

3. Automation.java :

```java
package com.simplilearn.demo;

import org.openqa.selenium.By;

import org.testng.annotations.Test;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

public class Automation {

WebDriver driver;

@Test

public void search() {

driver.get("http://amazon.com");

WebElement searchElement =
driver.findElement(By.id("twotabsearchtextbox"));

searchElement.sendKeys("realme pods");

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

}

@Test

public void addtocart() {

driver.get("https://www.amazon.com/realme-TechLife-Bluetooth-
Wireless-
Playback/dp/B0B8VBVVMW/ref=sr_1_1_sspa?crid=1RL0OH9TO0K34&keywords=re
alme+buds&qid=1689914802&sprefix=realme+pods%2Caps%2C1132&sr=8-1-
spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1");

driver.findElement(By.id("AddToCartLibrary-AddToCartButton-
Personalization")).click();

}

@Test

public void login() {
```

```java
driver.get("https://www.amazon.in/ap/signin?openid.pape.max_auth_age=
0&openid.return_to=https%3A%2F%2Fwww.amazon.in%2F%3Fref_%3Dnav_signin
&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentif
ier_select&openid.assoc_handle=inflex&openid.mode=checkid_setup&openi
d.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_
select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0&");

driver.findElement(By.name("email")).sendKeys("suprajagarimella604@gm
ail.com");

driver.findElement(By.id("continue")).submit();

}

@Test

public void register() {

driver.get("https://www.amazon.com/ap/register?showRememberMe=true&op
enid.pape.max_auth_age=0&openid.identity=http%3A%2F%2Fspecs.openid.ne
t%2Fauth%2F2.0%2Fidentifier_select&pageId=usflex&mobileBrowserWeblabT
reatment=C&openid.return_to=https%3A%2F%2Fwww.amazon.com%2F%3F_encodi
ng%3DUTF8%26ref_%3Dnav_em_hd_re_signin&prevRID=X0PWH6ZFC1NW9PMJWVG3&o
penid.assoc_handle=usflex&openid.mode=checkid_setup&desktopBrowserWeb
labTreatment=C&prepopulatedLoginId=&failedSignInCount=0&openid.claime
d_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&o
penid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0");

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

driver.findElement(By.name("customerName")).sendKeys("Supraja");

driver.findElement(By.name("email")).sendKeys("suprajagarimella604@gm
ail.com");

driver.findElement(By.name("password")).sendKeys("Ammullu@777");

driver.findElement(By.name("passwordCheck")).sendKeys("Ammullu@777");

driver.findElement(By.id("continue")).submit();

}

@BeforeMethod

public void beforeMethod() {

System.setProperty("webdriver.chrome.driver",
"C:\\Users\\lenovo\\Downloads\\chromedriver_win32\\chromedriver.exe");

driver= new ChromeDriver();

}

@AfterMethod
```

```java
public void afterMethod() {

//driver.close();

driver=null;

}

}
```