

Phase – 5 Practice Project: Assisted Practice

10. Evaluating Test Cases.

- Code

- ✓ pom.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>Assisted-Practice-Project-5.8</groupId>
  <artifactId>Assisted-Practice-Project-5.8</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <!--

      https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium
      -java -->
      <dependency>
        <groupId>org.seleniumhq.selenium</groupId>
        <artifactId>selenium-java</artifactId>
        <version>4.10.0</version>
      </dependency>

    <!--

      https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium
      -chrome-driver -->
      <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>

    <!-- ReportNG-->
    <dependency>
```

```

        <groupId>org.uncommons</groupId>
        <artifactId>reportng</artifactId>
        <version>1.1.4</version>
    </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>
                    </property>
                    <property>
                        <name>listener</name>
                        <value>org.uncommons.reportng.HTMLReporter,
                        org.uncommons.reportng.JUnitXMLReporter
                    </value>
                    </property>
                </properties>

            </configuration>
        </plugin>
    </plugins>
</build>

</project>

```

✓ FBRegistration.java

```
package com.ecommerce.test;
// D:\\Eclipse Projects\\hello-selenium\\src\\main\\resources\\test.html

import java.util.List;

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.AfterClass;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.AfterSuite;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;
import org.testng.asserts.SoftAssert;

@Test(groups="class1")
public class FBRegistration {
    public WebDriver driver;
    public String baseUrl = "D:\\\\Eclipse Projects\\\\hello-selenium\\\\src\\\\main\\\\resources\\\\test.html";

    // Soft Assertion
    SoftAssert softAssert = new SoftAssert();

    @Test(groups= {"Google"})
    public void searchGoogle() {
        System.out.printf("Inside %s and thread-id is %s \n", "searchGoogle", Thread.currentThread().getId());

        driver.get("http://www.google.com");

        System.out.println("Title of google page is " + driver.getTitle());

        // Assertion
        softAssert.assertEquals(driver.getTitle(), "Google");
        softAssert.assertAll("Google Title did not Match");
    }

    @Test(groups = { "Account Creation" })
    public void fbAccount() {
        System.out.printf("Inside %s and thread-id is %s \n", "fbAccount", Thread.currentThread().getId());

        String baseUrl =
"https://www.facebook.com/r.php?locale=en_GB&display=page";

        driver.get(baseUrl);
```

```

        String cssDay = "#day";
        WebElement cssDaySelect =
driver.findElement(By.cssSelector(cssDay));

        // Assertion
        softAssert.assertNotNull(cssDaySelect);

        Select daySelect = new Select(cssDaySelect);
        daySelect.selectByVisibleText("11");

        WebElement cssGenderRadio =
driver.findElement(By.cssSelector("span > span >
input[type='radio'][value='2']"));

        // Assertion
        softAssert.assertNotNull(cssGenderRadio);

        cssGenderRadio.click();

        System.out.println("Gender is enabled = " +
cssGenderRadio.isSelected());

        // Assertion
        softAssert.assertTrue(cssGenderRadio.isSelected());
        softAssert.assertAll("Either Day or Gender element was not
located OR gender selection failed");
    }

    @Test(groups= {"Account Creation", "Google"}, dataProvider =
"googleNewUserData")
    public void googleAccount(String fName, String lName) {
        System.out.printf("Inside %s and thread-id is %s
\n","googleAccount", Thread.currentThread().getId() );

        String baseUrl =
"https://accounts.google.com/signup/v2?biz=true&flowEntry=SignUp";
        driver.get(baseUrl);

        // Let's locate the first name text field by its id.
        WebElement firstNameTF =
driver.findElement(By.id("firstName"));
        firstNameTF.sendKeys(fName);
        // firstNameTF.sendKeys("Myname");

        // Let's locate the surname name text field by its name.
        WebElement surNameTF =
driver.findElement(By.name("lastName"));
        surNameTF.sendKeys(lName);
        // surNameTF.sendKeys("latName");

        // The Next button using its class
        WebElement nextButton =
driver.findElement(By.className("VfPpkd-vQzf8d"));
        System.out.println("Text on the button is " +
nextButton.getText());
    }

```

```

    }

    @Test(groups= {"Dummy"}, dependsOnGroups = {"Account Creation"})
    public void f1() {
        System.out.printf("Inside %s and thread-id is %s \n","f1",
Thread.currentThread().getId() );
    }
    @Test(enabled = false, dependsOnMethods = {"testLocalPage"})
    public void f2() {
        System.out.printf("Inside %s and thread-id is %s \n","f2",
Thread.currentThread().getId() );
    }

    @Test()
    public void testLocalPage() {
        System.out.printf("Inside %s and thread-id is %s
\n","testLocalPage", Thread.currentThread().getId() );

        driver.get(baseUrl);

        WebElement selectMonthElement =
driver.findElement(By.id("month"));
        Select selectMonth = new Select(selectMonthElement);

        System.out.println("selectMonth is muti select " +
selectMonth.isMultiple());

        selectMonth.selectByIndex(0);
        selectMonth.selectByIndex(6);

        List<WebElement> optionsList =
selectMonth.getAllSelectedOptions();

        for (WebElement option : optionsList)
            System.out.println("selectMonth selected options are " +
option.getText());
    }

    @BeforeMethod
    public void beforeMethod() {
        System.out.printf("Inside %s and thread-id is %s
\n","beforeMethod", Thread.currentThread().getId() );
    }

    @AfterMethod
    public void afterMethod() {
        System.out.printf("Inside %s and thread-id is %s
\n","afterMethod", Thread.currentThread().getId() );
    }

    @DataProvider(name = "googleNewUserData")
    public Object[][] googleNewUserData() {
        return new Object[][] {
            { "fname1", "lname1" },
            { "fname2", "lname2" },
        }
    }

```

```

        };
    }

    @BeforeClass
    public void beforeClass() {
        System.out.printf("Inside %s and thread-id is %s\n", "beforeClass", Thread.currentThread().getId() );
    }

    @AfterClass
    public void afterClass() {
        System.out.printf("Inside %s and thread-id is %s\n", "afterClass", Thread.currentThread().getId() );
    }

    @BeforeTest
    public void beforeTest() {
        System.out.printf("Inside %s and thread-id is %s\n", "beforeTest", Thread.currentThread().getId() );
    }

    @AfterTest
    public void afterTest() {
        System.out.printf("Inside %s and thread-id is %s\n", "afterTest", Thread.currentThread().getId() );
    }

    @BeforeSuite
    public void beforeSuite() {
        System.out.printf("Inside %s and thread-id is %s\n", "beforeSuite", Thread.currentThread().getId() );
        System.setProperty("webdriver.chrome.driver",
            "D:\\Downloads\\chromedriver_win32\\chromedriver.exe");

        driver = new ChromeDriver();
    }

    @AfterSuite
    public void afterSuite() {
        System.out.printf("Inside %s and thread-id is %s\n", "afterSuite", Thread.currentThread().getId() );
        driver.quit();
    }
}

```

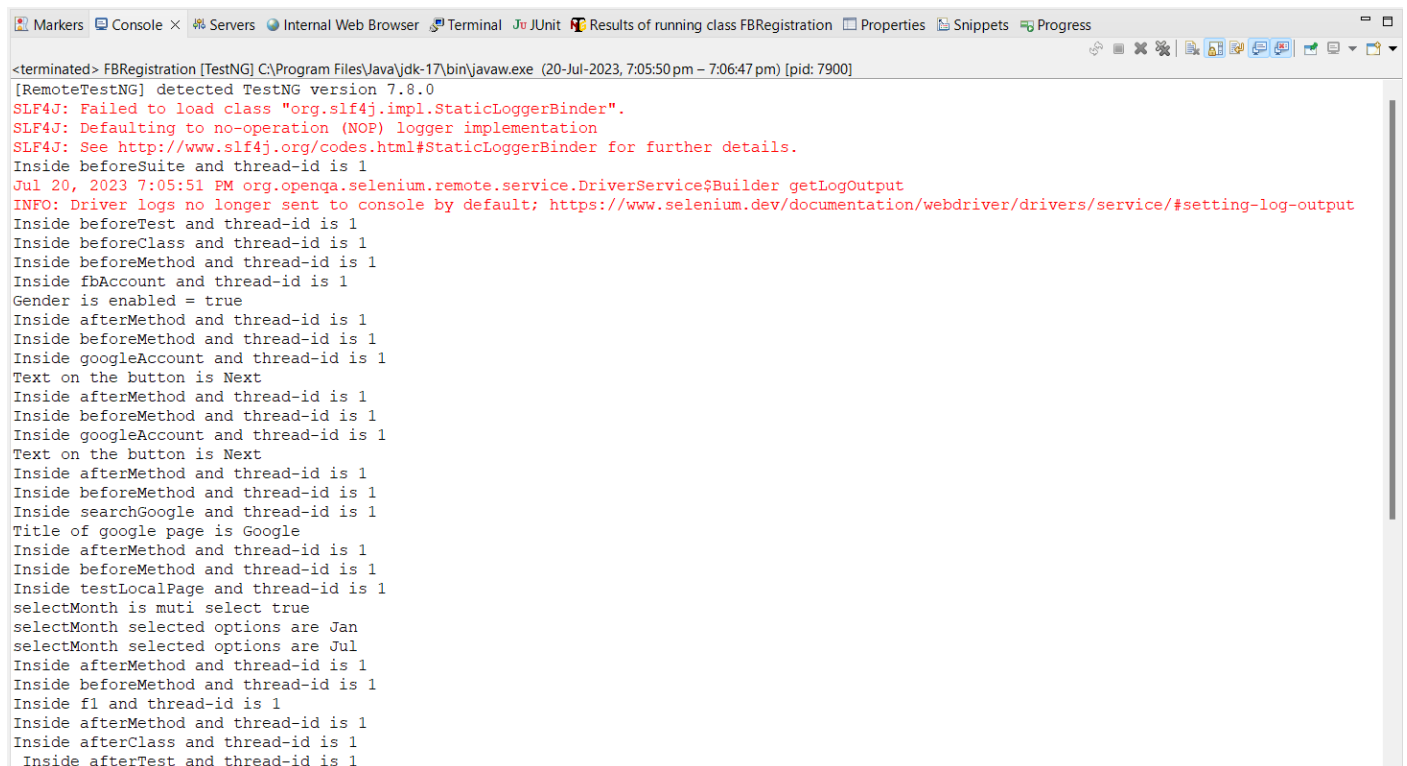
✓ testng.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="Suite">

    <test thread-count="5" name="Test Facebook" >
        <!-- <test thread-count="5" name="Test Facebook" parallel="methods">
            parallel = "classes"
            parallel = "tests"
        -->
        <classes>
            <class name="com.ecommerce.test.FBRegistration"/>
        </classes>
    </test> <!-- Test -->

    <!-- Test
    <test thread-count="5" name="Test Google">
        <classes>
            <class name="com.ecommerce.test.GoogleRegistration"/>
        </classes>
    </test>
    -->
</suite> <!-- Suite -->
```

• Output



The screenshot shows a Java IDE console window with the following tabs: Markers, Console, Servers, Internal Web Browser, Terminal, JUnit, Results of running class FBRegistration, Properties, Snippets, and Progress. The console output is as follows:

```
<terminated> FBRegistration [TestNG] C:\Program Files\Java\jdk-17\bin\javaw.exe (20-Jul-2023, 7:05:50 pm - 7:06:47 pm) [pid: 7900]
[RemoteTestNG] detected TestNG version 7.8.0
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Inside beforeSuite and thread-id is 1
Jul 20, 2023 7:05:51 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Inside beforeTest and thread-id is 1
Inside beforeClass and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside fbAccount and thread-id is 1
Gender is enabled = true
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside googleAccount and thread-id is 1
Text on the button is Next
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside googleAccount and thread-id is 1
Text on the button is Next
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside searchGoogle and thread-id is 1
Title of google page is Google
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside testLocalPage and thread-id is 1
selectMonth is muti select true
selectMonth selected options are Jan
selectMonth selected options are Jul
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside fl and thread-id is 1
Inside afterMethod and thread-id is 1
Inside afterClass and thread-id is 1
Inside afterTest and thread-id is 1
```

```
Markers Console x Servers Internal Web Browser Terminal JUnit Results of running class FBRegistration Properties Snippets Progress
<terminated> FBRegistration [TestNG] C:\Program Files\Java\jdk-17\bin\javaw.exe (20-Jul-2023, 7:05:50 pm - 7:06:47 pm) [pid: 7900]
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside searchGoogle and thread-id is 1
Title of google page is Google
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside testLocalPage and thread-id is 1
selectMonth is muti select true
selectMonth selected options are Jan
selectMonth selected options are Jul
Inside afterMethod and thread-id is 1
Inside beforeMethod and thread-id is 1
Inside f1 and thread-id is 1
Inside afterMethod and thread-id is 1
Inside afterClass and thread-id is 1
Inside afterTest and thread-id is 1
PASSED: com.ecommerce.test.FBRegistration.googleAccount("fname2", "lname2")
PASSED: com.ecommerce.test.FBRegistration.f1
PASSED: com.ecommerce.test.FBRegistration.googleAccount("fname1", "lname1")
PASSED: com.ecommerce.test.FBRegistration.testLocalPage
PASSED: com.ecommerce.test.FBRegistration.fbAccount
PASSED: com.ecommerce.test.FBRegistration.searchGoogle

=====
Default test
Tests run: 5, Failures: 0, Skips: 0
=====

Inside afterSuite and thread-id is 1

=====
Default suite
Total tests run: 6, Passes: 6, Failures: 0, Skips: 0
=====
```