

SOURCE CODE

```
package com.ecommerce.test;

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 = "C:\\\\Users\\HP\\eclipse-selenium\\hello-
selenium-testng\\src\\main\\resources\\test.html";
    SoftAssert softAssert = new SoftAssert();

    @Test(groups = { "Google" })
    public void searchGoogleAndTestTitleText() {
        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());

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

        softAssert.assertNotNull(cssDaySelect);

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

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

        softAssert.assertNotNull(cssGenderRadio);

        cssGenderRadio.click();

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

        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) ;//("Myname");

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

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    }

    @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__2", "lname2__2" }

        };
    }

    @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

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        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", "C:\\Users\\HomeWk\\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" parallel="methods">
        <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 -->

```