

## =====Assignment29=====

Submitted By **TANUJA SHARMA**

### Test Scenario 1:

- 1.Open a Chrome browser.
- 2.Navigate to “http://www.fb.com”
- 3.Verify that the page is redirected to https://www.facebook.com by getting the current URL.  
(Use TestNG Assertions)
- 4.Verify that there is a “Create an account” section on the page.
- 5.Fill in the text boxes: First Name, Surname, Mobile Number or email address, “Re-enter mobile number”, new password.
- 6.Update the date of birth in the drop-down.
- 7.Select gender.
- 8.Click on “Create an account”.
- 9.Verify that the account is created successfully.

CODE=

```
package facebook_login;

import java.time.Duration;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.support.ui.ExpectedConditions;
```

```
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Fb_CreateAccount_Testcase {
    WebDriver drive;

    String furl = "http://www.fb.com";
    String FURL= "https://www.facebook.com/";

    @BeforeClass
    public void Setup()
    {
        //1.Open a Chrome browser
        WebDriverManager.chromedriver().setup();
        ChromeOptions chromeoptions= new ChromeOptions();
        chromeoptions.addArguments("--remote-allow-origins=*", "ignore-certificate-errors");
        drive= new ChromeDriver(chromeoptions);
        drive.manage().window().maximize();
    }
}
```

```

        //2.Navigate to "http://www.fb.com"

        drive.get(furl);

        //3.Verify that the page is redirected to
        https://www.facebook.com by getting the current URL. (Use TestNG
        Assertions)

        String CurrentURL = drive.getCurrentUrl();

        Assert.assertEquals(CurrentURL, FURL, "No redirection
        happened");
    }

    @Test

    public void Create_account()
    {

        //4.Verify that there is a "Create an account" section
        on the page

        WebDriverWait w=new
        WebDriverWait(drive,Duration.ofSeconds(5));

        w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//a[text()='Create new account']")));

        drive.findElement(By.xpath("//a[text()='Create new
        account']")).click();

        //5.Fill in the text boxes: First Name, Surname,
        Mobile Number or email address, "Re-enter mobile number", new

```

password.

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//input[@placeholder='First name']")));
```

```
drive.findElement(By.xpath("//input[@placeholder='First name']")).sendKeys("Ishika");
```

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//input[@name='lastname']")));
```

```
drive.findElement(By.xpath("//input[@name='lastname']")).sendKeys("Pal");
```

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//input[@name='reg_email__']")));
```

```
drive.findElement(By.xpath("//input[@name='reg_email__']")).sendKeys("testuser1@test.com");
```

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//input[@name='reg_passwd__']")));
```

```
drive.findElement(By.xpath("//input[@name='reg_passwd__']")).sendKeys("testPassword");
```

//6.Update the date of birth in the drop-down

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.id("day")));
```

```
    Select selDate = new  
Select(drive.findElement(By.id("day")));
```

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.id("month")));
```

```
    Select selMonth = new  
Select(drive.findElement(By.id("month")));
```

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.id("year")));
```

```
    Select selYear = new  
Select(drive.findElement(By.id("year")));
```

```
    selDate.selectByVisibleText("21");
```

```
    selMonth.selectByVisibleText("Jun");
```

```
    selYear.selectByVisibleText("1989");
```

//7.Select gender

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//input[@type='radio' and @value='2']")));
```

```
drive.findElement(By.xpath("//input[@type='radio' and @value='2']")).click();
```

//Re-enter the email

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//input[@name='reg_email_confirmation__']")));
```

```
drive.findElement(By.xpath("//input[@name='reg_email_confirmation__']")).sendKeys("testuser1@test.com");
```

//8.Click on “Create an account”.

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//button[@name='websubmit']")));
```

```
drive.findElement(By.xpath("//button[@name='websubmit']")).click();
```

//9.Verify that the account is created successfully.

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//div[@name='webconfirm']")));
```

```

ath("//span[@class='x1lliihq x6ikm8r x10wlt62 x1n2onr6 xlyipyv
xuxw1ft' and text()='Ishika']"));

        if(drive.findElement(By.xpath("//span[@class='x1lliihq
x6ikm8r x10wlt62 x1n2onr6 xlyipyv xuxw1ft' and
text()='Ishika']")).isDisplayed())

        {

            System.out.println("Account has been created");

        }

    }

    @AfterClass

    public void Toclclose()

    {

        drive.close();

    }

}

```

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```
Mar 28, 2023 6:08:21 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 111, so returning the closest version found: 110
Account has been created
Mar 28, 2023 6:08:32 PM org.openqa.selenium.remote.http.WebSocket$Listener onError
WARNING: Connection reset
java.net.SocketException: Connection reset
    at java.base/sun.nio.ch.SocketChannelImpl.throwConnectionReset(SocketChannelImpl.java:394)
    at java.base/sun.nio.ch.SocketChannelImpl.read(SocketChannelImpl.java:426)
    at io.netty.buffer.PooledByteBuf.setBytes(PooledByteBuf.java:259)
    at io.netty.buffer.AbstractByteBuf.writeBytes(AbstractByteBuf.java:1132)
    at io.netty.channel.socket.nio.NioSocketChannel.doReadBytes(NioSocketChannel.java:357)
    at io.netty.channel.nio.AbstractNioByteChannel$NioByteUnsafe.read(AbstractNioByteChannel.java:151)
    at io.netty.channel.nio.NioEventLoop.processSelectedKey(NioEventLoop.java:788)
    at io.netty.channel.nio.NioEventLoop.processSelectedKeysOptimized(NioEventLoop.java:724)
    at io.netty.channel.nio.NioEventLoop.processSelectedKeys(NioEventLoop.java:650)
    at io.netty.channel.nio.NioEventLoop.run(NioEventLoop.java:562)
    at io.netty.util.concurrent.SingleThreadEventExecutor$4.run(SingleThreadEventExecutor.java:997)
    at io.netty.util.internal.ThreadExecutorMap$2.run(ThreadExecutorMap.java:74)
    at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30)
    at java.base/java.lang.Thread.run(Thread.java:833)
```

PASSED: facebook\_login.Fb\_CreateAccount\_Testcase.Create\_account

```
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====
```

```
=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
<
```



# Sign Up



It's quick and easy.

Date of birth 



Gender 



People who use our service may have uploaded your contact information to Facebook. [Learn more.](#)

By clicking Sign Up, you agree to our [Terms](#), [Privacy Policy](#) and [Cookies Policy](#).  
You may receive SMS notifications from us and can opt out at any time.

# Sign Up



It's quick and easy.

Date of birth 



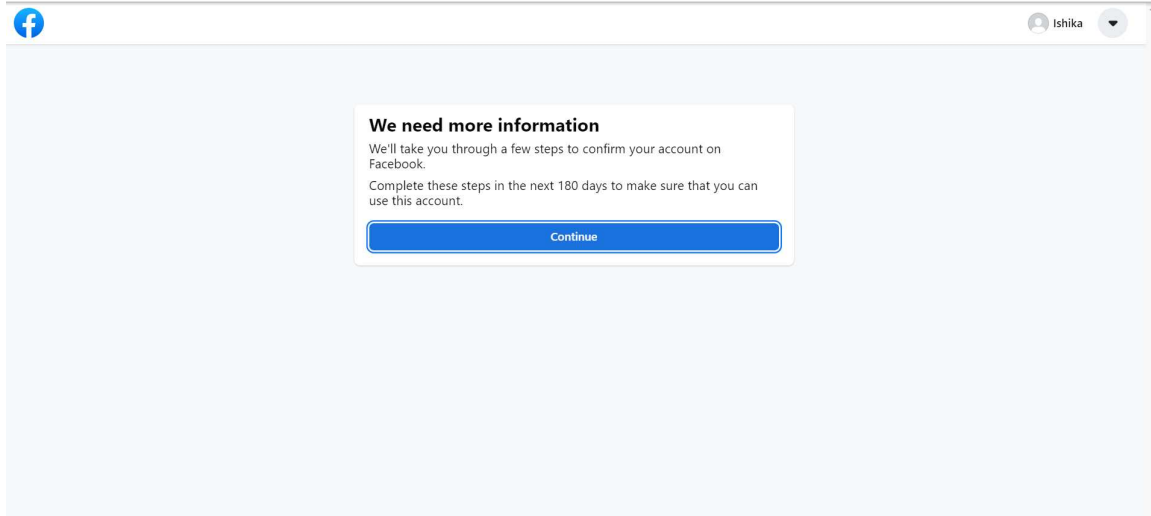
Gender 



People who use our service may have uploaded your contact information to Facebook. [Learn more.](#)

By clicking Sign Up, you agree to our [Terms](#), [Privacy Policy](#) and [Cookies Policy](#).  
You may receive SMS notifications from us and can opt out at any time.

or



### **Test Scenario 2:**

- 1.Open a Browser (write the generic code such that by changing the parameter browser can be changed.)**
- 2.Navigate to <https://flipkart.com> website.**
- 3.Write a method to find the count (number of) links on the homepage of Flipkart.**
- 4.Write another method to print link text and URLs of all the links on the page of Flipkart.**

**CODE=**

```
package facebook_login;

import java.time.Duration;
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
```

```
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
```

```
public class flipkart_linkcount {

    ChromeDriver drive;

    String url = "http://www.flipkart.com";

    @BeforeClass

    public void Setup(){

        //1.Open a Browser (write the generic code such that
        by changing the parameter browser can be changed.)

        System.setProperty("webdriver.chrome.driver",
        "D:\\chromedriver_win32\\chromedriver.exe");

        ChromeOptions chromeoptions= new ChromeOptions();

        chromeoptions.addArguments("--remote-allow-
        origins=*", "ignore-certificate-errors");

        drive= new ChromeDriver(chromeoptions);

        //2.Navigate to https://flipkart.com website.

        drive.get(url);

        drive.manage().window().maximize();
```

```
WebDriverWait w=new  
WebDriverWait(drive,Duration.ofSeconds(5));
```

```
w.until(ExpectedConditions.visibilityOfAllElementsLocatedBy(By.xpath("//button[text()='X']")));
```

```
drive.findElement(By.xpath("//button[text()='X']"));  
}
```

//3. Write a method to find the count (number of) links on the homepage of Flipkart.

```
@Test  
  
public void getLinkCount(){  
    List<WebElement> Links =  
drive.findElements(By.tagName("a"));  
  
    System.out.println("Number of links on a homepage ::  
"+Links.size());  
}
```

//4. Write another method to print link text and URLs of all the links on the page of Flipkart.

```
@Test  
  
public void getAllLinkInfo(){  
    List<WebElement> allLink =  
drive.findElements(By.tagName("a"));  
  
    for(WebElement link:allLink){  
        System.out.println("Link Text :: "+
```

```

link.getText());

        System.out.println("Link URL :: "+
link.getAttribute("href"));

System.out.println("=====
=");

    }

}

@AfterClass
public void Tclose()
{
    drive.close();
}

}

```

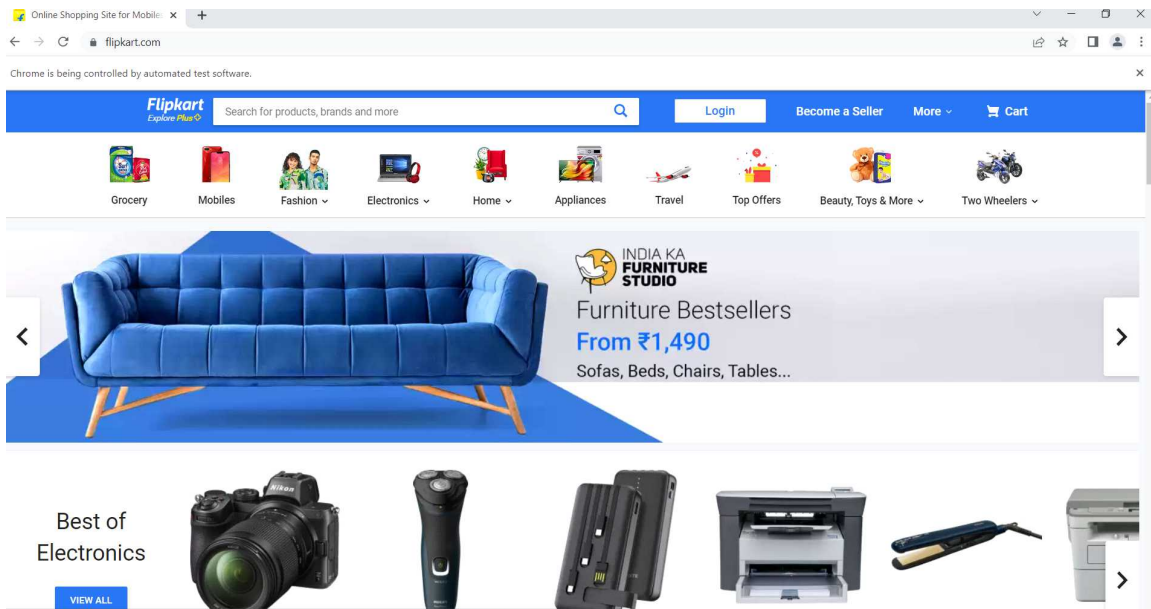
**SCREENSHOTS=**

```

<terminated> flipkart_linkcount [TestNG] D:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (28-Mar-2023, 6:06:32 pm - 6:06:58 pm) [pid: 18444]
=====
Link Text :: Terms of Use
Link URL :: https://www.flipkart.com/pages/terms
=====
Link Text :: Privacy Policy
Link URL :: https://www.flipkart.com/pages/privacypolicy
=====
Link Text :: New to Flipkart? Create an account
Link URL :: https://www.flipkart.com/account/login?signup=true
=====
Number of links on a homepage :: 372
Mar 28, 2023 6:06:57 PM org.openqa.selenium.remote.http.WebSocket$Listener onError
WARNING: Connection reset
java.net.SocketException: Connection reset
    at java.base/sun.nio.ch.SocketChannelImpl.throwConnectionReset(SocketChannelImpl.java:394)
    at java.base/sun.nio.ch.SocketChannelImpl.read(SocketChannelImpl.java:426)
    at io.netty.buffer.PooledByteBuf.setBytes(PooledByteBuf.java:259)
    at io.netty.buffer.AbstractByteBuf.writeBytes(AbstractByteBuf.java:1132)
    at io.netty.channel.socket.nio.NioSocketChannel.doReadBytes(NioSocketChannel.java:357)
    at io.netty.channel.nio.AbstractNioByteChannel$NioByteUnsafe.read(AbstractNioByteChannel.java:151)
    at io.netty.channel.nio.NioEventLoop.processSelectedKey(NioEventLoop.java:788)
    at io.netty.channel.nio.NioEventLoop.processSelectedKeysOptimized(NioEventLoop.java:724)
    at io.netty.channel.nio.NioEventLoop.processSelectedKeys(NioEventLoop.java:650)
    at io.netty.channel.nio.NioEventLoop.run(NioEventLoop.java:562)
    at io.netty.util.concurrent.SingleThreadEventExecutor$4.run(SingleThreadEventExecutor.java:997)
    at io.netty.util.internal.ThreadExecutorMap$2.run(ThreadExecutorMap.java:74)
    at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30)
    at java.base/java.lang.Thread.run(Thread.java:833)

PASSED: facebook_login.flipkart_linkcount.getAllLinkInfo
PASSED: facebook_login.flipkart_linkcount.getLinkCount

```



### Test Scenario 3:

1. Open an application on different browsers simultaneously

CODE= **package** facebook\_login;

```
import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.testng.annotations.Test;


import io.github.bonigarcia.wdm.WebDriverManager;


public class Diff_browsers {

    WebDriver drive;


    @Test

    public void For_Chrome_browser()

    {

        WebDriverManager.chromedriver().setup();

        ChromeOptions chromeoptions= new ChromeOptions();

        chromeoptions.addArguments("--remote-allow-origins=*", "ignore-certificate-errors");

        drive= new ChromeDriver(chromeoptions);

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

        drive.manage().window().maximize();

    }


    WebDriver drive1;
```



```

@Test

public void For_Firefox_browser()

{

    WebDriverManager.firefoxdriver().setup();

    drive1= new FirefoxDriver();

    drive1.get("https://www.facebook.com/");

    drive1.manage().window().maximize();

}

}

```

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```

Console x
<terminated> Diff_browsers [TestNG] D:\eclipse\plugins\org.eclipse.justi.openjdk hotspot\jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (28-Mar-2023, 6:38:13 pm - 6:38:24 pm) [pid: 16256]
Read port: 56427
WebDriver BiDi listening on ws://127.0.0.1:24589
1680008899465 RemoteAgent WARN TLS certificate errors will be ignored for this session
console.warn: SearchSettings: "get: No settings file exists, new profile?" (new NotFoundError("Could not open the file at C:\\User:
DevTools listening on ws://127.0.0.1:24589/devtools/browser/49896f4a-e9a1-43e6-b4c4-02d6c3640489
JavaScript warning: https://static.xx.fbcdn.net/rsrsrc.php/v3ix3c4/yx/1/en_GB/2i8gVSf1tbA.js?_nc_x=Ij3Wp81g5Kz, line 17: WEBGL_debug
PASSED: facebook_login.Diff_browsers.For_Firefox_browser
PASSED: facebook_login.Diff_browsers.For_Chrome_browser

=====
Default test
Tests run: 2, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====

```

