**Gmail Login:**

package test;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class LoginGmail

{

public static void main(String[] args) throws InterruptedException

{

WebDriver f=new FirefoxDriver();

Thread.sleep(5000);

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

Thread.sleep(5000);

f.navigate().to("http://www.facebook.com");

Thread.sleep(5000);

f.findElement(By.id("email")).sendKeys("demo123@yahoo.com");

f.findElement(By.id("pass")).sendKeys("1234455677");

Thread.sleep(5000);

f.findElement(By.id("u\_0\_l")).click();

Thread.sleep(5000);

f.close();

}

}

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**Facebook Keyword:**

Excel Sheet Process

package test;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import jxl.Sheet;

import jxl.Workbook;

import jxl.read.biff.BiffException;

public class ExcelSheetProcess

{

// create workbook and sheet objects

Workbook wb;

Sheet sh;

// Open Excel Sheet

public void OpenSheet(String Filepath) throws BiffException, IOException

{

FileInputStream fs=new FileInputStream(Filepath);

wb=Workbook.getWorkbook(fs);

sh=wb.getSheet(0);

}

// Get Cell values

public String GetCellValues(int c,int r)

{

String data=sh.getCell(c, r).getContents();

return data;

}

// get rows

public int Row()

{

int r=sh.getRows();

return r;

}

// get column

public int Col()

{

int c=sh.getColumns();

return c;

}

}

Test Case Process

package test;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.ie.InternetExplorerDriver;

public class TestCaseProcess

{

WebDriver d;

public void Open\_Browser(String tdata)

{

if(tdata.equalsIgnoreCase("Firefox"))

{

d=new FirefoxDriver();

}

else if(tdata.equalsIgnoreCase("Chrome"))

{

System.setProperty("", "");

d=new ChromeDriver();

}

else if(tdata.equalsIgnoreCase("IE"))

{

System.setProperty("", "");

d=new InternetExplorerDriver();

}

}

public void Open\_Url(String tdata)

{

d.get(tdata);

}

public void Enter\_Text(String ptype,String pvalue,String tdata)

{

By b=ElementValue(ptype,pvalue);

d.findElement(b).sendKeys(tdata);

}

public void Click\_Button(String ptype,String pvalue)

{

By b=ElementValue(ptype,pvalue);

d.findElement(b).click();

}

public By ElementValue(String ptype,String pvalue)

{

By b;

switch(ptype)

{

case "id":

b=By.id(pvalue);

break;

case "name":

b=By.name(pvalue);

break;

case "linkText":

b=By.linkText(pvalue);

break;

case "partialLinkText":

b=By.partialLinkText(pvalue);

break;

case "xpath":

b=By.xpath(pvalue);

break;

case "tagName":

b=By.tagName(pvalue);

break;

case "cssSelector":

b=By.cssSelector(pvalue);

break;

default:

b=null;

break;

}

return b;

}

}

Execution Process:

package test;

import java.io.IOException;

import java.util.Scanner;

import org.testng.annotations.Test;

import jxl.read.biff.BiffException;

public class ExecutionProcess

{

@Test(priority=1)

public void FinalProcess() throws BiffException, IOException, InterruptedException

{

ExcelSheetProcess mysheet=new ExcelSheetProcess();

System.out.println(" Enter File :");

Scanner sc=new Scanner(System.in);

String s1=sc.next();

mysheet.OpenSheet(s1);

int rcount=mysheet.Row();

int ccount=mysheet.Col();

System.out.println("...Row Count..."+rcount);

System.out.println("...Column Count..."+ccount);

String tname="";

String ptype="";

String pvalue="";

String tdata="";

TestCaseProcess obj=new TestCaseProcess();

for(int r=0;r<rcount;r++)

{

tname=mysheet.GetCellValues(0, r);

ptype=mysheet.GetCellValues(1, r);

pvalue=mysheet.GetCellValues(2, r);

tdata=mysheet.GetCellValues(3, r);

System.out.println(tname+" "+ptype+" "+pvalue+" "+tdata);

Thread.sleep(5000);

switch(tname)

{

case "Open\_Browser":

obj.Open\_Browser(tdata);

break;

case "Open\_Url":

obj.Open\_Url(tdata);

break;

case "Enter\_Text":

obj.Enter\_Text(ptype, pvalue, tdata);

break;

case "Click\_Button":

obj.Click\_Button(ptype, pvalue);

break;

default:

System.out.println(" No Test Case");

break;

}

}

}

}

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**Gmail Login Data Driven Test**

package testpack;

import java.io.File;

import java.io.IOException;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

import jxl.Cell;

import jxl.Sheet;

import jxl.Workbook;

import jxl.read.biff.BiffException;

public class LoginModuleTest

{

@Test(dataProvider="MyData")

public void GmailLogin(String emailid, String password) throws InterruptedException

{

//Open Browser

WebDriver d=new FirefoxDriver();

//Open Url

Thread.sleep(7000);

d.get("https://www.google.com/");

//click on Sign in

Thread.sleep(7000);

d.findElement(By.id("gb\_70")).click();

// enter email id

Thread.sleep(7000);

d.findElement(By.id("Email")).sendKeys(emailid);

//click next

Thread.sleep(7000);

d.findElement(By.id("next")).click();

//enter password

Thread.sleep(7000);

d.findElement(By.id("Passwd")).sendKeys(password);

//click sign in

Thread.sleep(7000);

d.findElement(By.id("signIn")).click();

//click on gmail link

Thread.sleep(7000);

d.findElement(By.linkText("Gmail")).click();

//click on sign out logo

Thread.sleep(7000);

d.findElement(By.xpath(".//\*[@id='gb']/div[1]/div[1]/div[2]/div[4]/div[1]/a/span")).click();

//click on sign out button

Thread.sleep(7000);

d.findElement(By.id("gb\_71")).click();

//close browser

Thread.sleep(7000);

d.close();

}

@DataProvider(name="MyData")

public Object[][] GmailTestData() throws BiffException, IOException

{

// ExcelSheet path

File F=new File("H:\\GmailTest.xls");

// Get the workbook

Workbook wb=Workbook.getWorkbook(F);

//Get Sheet

Sheet s=wb.getSheet(0);

//Get Rows count

int rcount=s.getRows();

//Get Column count

int ccount=s.getColumns();

//Store the excel sheet data in string variables

String data[][]=new String[rcount][ccount];

//Start row loop

for(int i=0;i<rcount;i++)

{

// start column loop

for (int j=0;j<ccount;j++)

{

Cell cvalue=s.getCell(j, i);

data[i][j]=cvalue.getContents();

} // End column loop

} // End Row loop

return data;

}

}

**Cucumber – Feature file**

package MyCucumber.feature;

import cucumber.api.java.en.Given;

import cucumber.api.java.en.Then;

import cucumber.api.java.en.When;

public class testcucumber

{

@Given("^I am using Facebook$")

public void i\_am\_using\_Facebook() throws Throwable {

System.out.println("Harish am using Facebook");

}

@When("^I enter my username$")

public void i\_enter\_my\_username() throws Throwable {

System.out.println("Harish enter my username");

}

@When("^I enter my password$")

public void i\_enter\_my\_password() throws Throwable {

System.out.println("Harish enter my password");

}

@Then("^login should be successful$")

public void login\_should\_be\_successful() throws Throwable {

System.out.println("Harish login should be successful");

}

@Then("^homepage should not be missing$")

public void homepage\_should\_not\_be\_missing() throws Throwable {

System.out.println("Harish homepage should not be missing");

}

}

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**Cucumber – Selenium test**

package CucumberTest;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class seleniumtest

{

private static WebDriver driver = null;

public static void main(String[] args) throws InterruptedException

{

// Create a new instance of the Firefox driver

Thread.sleep(5000);

FirefoxDriver driver = new FirefoxDriver();

//Put a Implicit wait, this means that any search for elements on the page could take the time the implicit wait is set for before throwing exception

Thread.sleep(5000);

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

//Launch the Facebook Website

Thread.sleep(5000);

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

// Find the element that's ID attribute is 'log' (Username)

// Enter Username on the element found by above desc.

Thread.sleep(5000);

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

// Find the element that's ID attribute is 'pwd' (Password)

// Enter Password on the element found by the above desc.

Thread.sleep(5000);

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

// Now submit the form. WebDriver will find the form for us from the element

Thread.sleep(5000);

driver.findElement(By.id("u\_0\_n")).click();

// Print a Log In message to the screen

Thread.sleep(5000);

System.out.println("Login Successfully");

// Click on the drown down arrow to open the options menu on top right corner.

Thread.sleep(5000);

driver.findElement (By.id("userNavigationLabel")).click();

// Find the element that's ID attribute is 'account\_logout' (Log Out)

Thread.sleep(5000);

driver.findElement (By.xpath(".//\*[@id='BLUE\_BAR\_ID\_DO\_NOT\_USE']/div/div/div[1]/div/div/ul/li[13]/a/span/span")).click();

// Print a Log In message to the screen

Thread.sleep(5000);

System.out.println("LogOut Successfully");

// Close the driver

Thread.sleep(5000);

driver.quit();

}

}