**CODE FOR GMAIL LOGIN AND LOGOUT WITH GROUPS**

**package** gmail;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.WebDriverWait;

**import** java.util.List;

**import** org.openqa.selenium.firefox.\*;

**import** java.util.concurrent.\*;

**import** org.testng.annotations.Test;

**public** **class** Signin {

WebDriver driver;

@Test (groups ={"login"})

**public** **void** testCase1()

{

//initialize Chrome driver

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

WebDriver driver = **new** ChromeDriver();

//Open gmail

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

// Enter userd id

WebElement element = driver.findElement(By.*xpath*(".//\*[@id='identifierId']"));

element.sendKeys("email@gmail.com");

// to click next button

driver.findElement(By.*xpath*(".//\*[@id='identifierNext']/content/span")).click();

//wait 5 secs for userid to be entered

driver.manage().timeouts().implicitlyWait(5, TimeUnit.***SECONDS***);

//Enter Password

WebElement element1 = driver.findElement(By.*xpath*(".//\*[@id='password']/div[1]/div/div[1]/input"));

element1.sendKeys("password");

// to click next button in password

driver.findElement(By.*xpath*(".//\*[@id='passwordNext']/content/span")).click();

System.***out***.println("login completed");

}

// to dynamically find elements

@Test (groups ={"logout"})

**public** **void** testCase2()

**{**

WebElement myDynamicElement = (**new** WebDriverWait(driver, 30)).until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*(".//\*[@id='gb']/div[1]/div[1]/div[2]/div[4]/div[1]/a/span")));

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

//press signout button

driver.findElement(By.*xpath*(".//\*[@id='gb\_71']")).click();

}}

XML FILE FOR GMAIL LOGIN AND LOGOUT

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

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

<suite name="Sample test Suite">

<test name="testing">

<groups>

<run>

<include name="login"/>

</run>

</groups>

<classes>

<class name="gmail.Signin" />

</classes>

</test>

</suite>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test** | **# Passed** | **# Skipped** | **# Failed** | **Time (ms)** | **Included Groups** | **Excluded Groups** |
| **Sample test Suite** | | | | | | |
| [**testing**](file:///D:\workspace\Google\test-output\emailable-report.html#t0) | 1 | 0 | 0 | 8,921 | login |  |

| **Class** | **Method** | **Start** | **Time (ms)** |
| --- | --- | --- | --- |
| **Sample test Suite** | | | |
| **testing — passed** | | | |
| gmail.Signin | [**testCase1**](file:///D:\workspace\Google\test-output\emailable-report.html#m0) | 1498552536531 | 8890 |

### gmail.Signin#testCase1

**Code for Dependencies**

package samples;

import org.testng.annotations.Test;

import org.testng.annotations.Test;

public class Dependency {

@Test(dependsOnMethods={"method2"})

public void method1()

{

System.out.println("20");

}

@Test (dependsOnMethods={"method3"})

public void method2()

{

System.out.println("30");

}

@Test

public void method3()

{

System.out.println("40");

}

}

**OUTPUT**

40

30

20

PASSED: method3

PASSED: method2

PASSED: method1

**CODE FOR GMAIL LOGIN AND LOGOUT WITHOUT GROUPS**

**package** gmail;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.WebDriverWait;

**import** java.util.List;

**import** org.openqa.selenium.firefox.\*;

**import** java.util.concurrent.\*;

**public** **class** signin {

**public** **static** **void** main(String[] args)

{

//initialize Chrome driver

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

WebDriver driver = **new** ChromeDriver();

//Open gmail

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

**// Enter userd id**

WebElementelement=driver.findElement(By.*xpath*(".//\*[@id='identifierId']"));

element.sendKeys("your email id @gmail.com");

// to click next button

driver.findElement(By.*xpath*(".//\*[@id='identifierNext']/content/span")).click();

//wait 5 secs for userid to be entered

driver.manage().timeouts().implicitlyWait(5, TimeUnit.***SECONDS***);

//Enter Password

WebElement element1 = driver.findElement(By.*xpath*(".//\*[@id='password']/div[1]/div/div[1]/input"));

element1.sendKeys("your pass word");

// to click next button in password

driver.findElement(By.*xpath*(".//\*[@id='passwordNext']/content/span")).click();

// to dynamically find elements

WebElement myDynamicElement = (**new** WebDriverWait(driver, 15)).until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*(".//\*[@id='gb']/div[1]/div[1]/div[2]/div[4]/div[1]/a/span")));

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

//press signout button

driver.findElement(By.*xpath*(".//\*[@id='gb\_71']")).click();

}

}