1.Create 2 test cases, disable one using enabled = false, and run only the active test.

package testNG\_practice;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

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

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

import org.testng.Assert;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class Practice {

WebDriver driver;

WebDriverWait wait;

*@BeforeTest*

public void setUp() {

driver = new ChromeDriver();

driver.manage().window().maximize();

wait = new WebDriverWait(driver, Duration.*ofSeconds*(20));

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

}

*@Test*(enabled = true)

public void login() {

wait.until(ExpectedConditions.*elementToBeClickable*(By.*linkText*("Sign in"))).click();

wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*id*("userid")))

.sendKeys("mangalipragati98@gmail.com");

driver.findElement(By.*id*("signin-continue-btn")).click();

wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*id*("pass")))

.sendKeys("Pragati@123");

driver.findElement(By.*id*("sgnBt")).click();

Assert.*assertTrue*(driver.getPageSource().contains("My eBay"), "Login failed");

}

*@Test*(enabled = false)

public void logout() {

driver.findElement(By.*xpath*("//\*[@id=\"gh\"]/nav/div[1]/span[1]/div/button/span/span")).click();

driver.findElement(By.*xpath*("//\*[@id=\"s0-1-4-9-3[0]-0-9-dialog\"]/div/div/ul/li[3]/a")).click();

}

*@AfterTest*

public void afterTest() {

driver.quit();

}

}

2.Write a test to run the same test multiple times.

package testNG\_practice;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

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

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class MultipleTimes {

WebDriver driver;

WebDriverWait wait;

*@BeforeTest*

public void setUp() {

driver = new ChromeDriver();

driver.manage().window().maximize();

wait = new WebDriverWait(driver, Duration.*ofSeconds*(20));

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

}

*@Test*(invocationCount = 5)//test will run 5 times

public void multiplerun() {

WebElement search=driver.findElement(By.*id*("gh-ac"));

search.clear();

search.sendKeys("watch");

search.sendKeys(*Keys*.***ENTER***);

}

*@AfterTest*

public void afterTest() {

driver.quit();

}

}

3.Write test cases for a dummy login page using @Parameters in testng.xml.

DummyLoginPage.java

package testNG\_practice;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Optional;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class DummyLoginPage {

WebDriver driver;

*@BeforeClass*

public void setUp() {

//System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

driver = new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://example.com/dummy-login");

}

*@Test*

*@Parameters*({"username","password"})

public void loginTest(*@Optional*("admin") String username,

*@Optional*("admin123") String password) {

WebElement userField = driver.findElement(By.*id*("username"));

userField.clear();

userField.sendKeys(username);

WebElement passField = driver.findElement(By.*id*("password"));

passField.clear();

passField.sendKeys(password);

driver.findElement(By.*id*("loginBtn")).click();

}

*@AfterClass*

public void tearDown() {

driver.quit();

}

}

testNG.xml

<suite name="DummyLoginPageSuite" parallel="classes" thread-count="1">

<test name="LoginTest">

<parameter name="username" value="admin"/>

<parameter name="password" value="admin123"/>

<classes>

<class name="testNG\_practice.DummyLoginPage"/>

</classes>

</test>

</suite>

4.Write dependent test cases:

login()

search Product() (depends on login)

logout() (depends on search)

package testNG\_practice;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

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

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;

public class DependTC {

WebDriver driver;

WebDriverWait wait;

*@BeforeClass*

public void setup() {

driver = new ChromeDriver();

driver.manage().window().maximize();

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

wait = new WebDriverWait(driver, Duration.*ofSeconds*(20));

}

// Test 1: Login

*@Test*(priority = 1)

public void login() throws InterruptedException {

wait.until(ExpectedConditions.*elementToBeClickable*(By.*linkText*("Sign in"))).click();

wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*id*("userid")))

.sendKeys("mangalipragati98@gmail.com");

driver.findElement(By.*id*("signin-continue-btn")).click();

wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*id*("pass")))

.sendKeys("Pragati@123");

driver.findElement(By.*id*("sgnBt")).click();

Assert.*assertTrue*(driver.getPageSource().contains("My eBay"), "Login failed");

}

// Test 2: Search Product (depends on login)

*@Test*(priority = 2, dependsOnMethods = {"login"})

public void searchProduct() {

WebElement search=driver.findElement(By.*id*("gh-ac"));

search.sendKeys("watch");

search.sendKeys(*Keys*.***ENTER***);

Assert.*assertTrue*(driver.getTitle().contains("laptop"), "Search failed");

}

// Test 3: Logout (depends on searchProduct)

*@Test*(priority = 3, dependsOnMethods = {"searchProduct"})

public void logout() { driver.findElement(By.*xpath*("//\*[@id=\"gh\"]/nav/div[1]/span[1]/div/button/span/span")).click();

driver.findElement(By.*xpath*("//\*[@id=\"s0-1-4-9-3[0]-0-9-dialog\"]/div/div/ul/li[3]/a")).click();

}

*@AfterClass*

public void tearDown() {

driver.quit();

}

}

5.Use Data Provider to supply multiple sets of usernames/passwords to a login test.

package testng\_package;

import org.apache.poi.ss.usermodel.\*;

import java.io.FileInputStream;

import java.io.IOException;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class ExcelTest {

@DataProvider(name ="excelData")

public Object[][] excelDataProvider() throws IOException{

//String excelPath="D:\\Testdata\\LoginData.xlsx";

String excelPath="D:\\Testdata\\searchList.xlsx";

String sheetName="sheet1";

FileInputStream fis=new FileInputStream(excelPath);

Workbook workbook=WorkbookFactory.create(fis);

Sheet sheet=workbook.getSheet(sheetName);

int rows=sheet.getPhysicalNumberOfRows();

int cols=sheet.getRow(0).getLastCellNum();

Object[][] data=new Object[rows-1][cols];

for(int i=1;i<rows;i++) {

Row row = sheet.getRow(i);

for (int j = 0; j < cols; j++) {

Cell cell = row.getCell(j);

data[i - 1][j] = (cell == null) ? "" : cell.toString();

}

}

workbook.close();

fis.close();

return data;

}

/\*@Test(dataProvider="excelData")

public void testLogin(String username1, String password1) {

System.out.println("username: "+username1+" | Password: " +password1);

WebDriver driver=new ChromeDriver();

driver.get("http://zero.webappsecurity.com/login.html");

driver.findElement(By.id("user\_login")).click();

driver.findElement(By.id("user\_login")).sendKeys("username1");

driver.findElement(By.id("user\_password")).click();

driver.findElement(By.id("user\_password")).sendKeys("password1");

driver.findElement(By.name("submit")).click();

}\*/

@Test(dataProvider="excelData")

public void Search(String name) {

WebDriver driver=new ChromeDriver();

driver.get("http://zero.webappsecurity.com/");

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

driver.findElement(By.id(name)).sendKeys("search");

}

}

6.Run test cases in parallel (methods, classes, tests) using parallel attribute in testng.xml.

TestClass1.java

package testng\_package;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.Test;

public class TestClass1 {

WebDriver driver;

@Test

public void amazon() throws InterruptedException {

driver=new ChromeDriver();

driver.get("https://www.amazon.in/");

String expectedurl="https://www.amazon.in/";

String actualurl=driver.getCurrentUrl();

Assert.assertEquals(actualurl, expectedurl,"Url validation fail");

Thread.sleep(3000);

System.out.println("Amazon-Thread Id:"+Thread.currentThread().getId());

driver.quit();

}

}

TestClass2.java

package testng\_package;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.Test;

public class TestClass2 {

WebDriver driver;

@Test

public void flipkart() throws InterruptedException {

driver=new ChromeDriver();

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

String expectedtitle="Online Shopping Site for Mobiles, Electronics, Furniture, Grocery, Lifestyle, Books & More. Best Offers!";

String actualtitle=driver.getTitle();

Assert.assertEquals(actualtitle, expectedtitle,"Title validation fail");

Thread.sleep(3000);

System.out.println("Flipkart-Thread Id:"+Thread.currentThread().getId());

driver.quit();

}

}

Testing.xml

<suite name="ParallelSuite" parallel="classes" thread-count="1">

<test name="ParallelTestExecution">

<classes>

<class name="testng\_package.TestClass1"/>

<class name="testng\_package.TestClass2"/>

</classes>

</test>

</suite>