**What is Batch Testing?**

Running **multiple test cases** in a **suite** is called **Batch Testing**.

A **test suite** is a **collection of test cases**. Test suites **help in grouping test cases**.

You can categorise test suites based on functionality, module, environment, or something else.

In **TestNG** we can use an XML **file** to perform Batch Testing.

| **Sute** | **Test Cases** | **Test Methods** |
| --- | --- | --- |
| **Sanity Test** | Home Screen Test | LaunchApplication() |
|  |  | VerifyTitle() |
|  |  | VerifyLogo() |
|  | Login Test | LoginByMobileNumber() |
|  |  | LoginByEmail() |
| **Functional Test** | ProductPageTest | AddProductToWishList() |
|  |  | AddProductToCart() |
|  |  | SelectQuantity() |
|  | PaymentTest | CashOnDelivery() |
|  |  | NetBanking() |

Code example:

Sanity Test:

package tut10\_BatchTesting;

import org.testng.annotations.Test;

public class HomeScreenTest

{

@Test

public void launchApplication()

{

System.out.println("Application Launched passed");

}

@Test

public void verifyTitle()

{

System.out.println("Verify title passed");

}

@Test

public void verifyLogo()

{

System.out.println("Verify logo passed");

}

}

package tut10\_BatchTesting;

import org.testng.annotations.Test;

public class LoginTest

{

@Test

public void loginByMobileNumber()

{

System.out.println("Login by mobile pass");

}

@Test

public void loginByEmail()

{

System.out.println("Login by email pass");

}

}

**Functional Test**

package tut10\_BatchTesting;

import org.testng.annotations.Test;

public class ***ProductPageTest***

{

@Test

public void addProductToWishList()

{

System.out.println("AddProductToWishList pass");

}

@Test

public void addProductToCart()

{

System.out.println("AddProductToCart pass");

}

@Test

public void SelectQuantity()

{

System.out.println("SelectQuantity pass");

}

}

package tut10\_BatchTesting;

import org.testng.annotations.Test;

public class ***PaymentTest***

{

@Test

public void CashOnDelivery()

{

System.out.println("CashOnDelivery passed");

}

@Test

public void NetBanking()

{

System.out.println("NetBanking passed");

}

}

***XML file for Sanity Testing Suite;***

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

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

*<suite name="SanityTestSuite">*

*<test name="Sanity Testing">*

*<classes>*

*<class name="tut10\_BatchTesting.HomeScreenTest"></class>*

*<class name="tut10\_BatchTesting.LoginTest"></class>*

*</classes>*

*</test>*

*</suite>*

***XML file for Functional Testing Suite;***

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

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

*<suite name="Functional Test Suite">*

*<test name="Functional Testing">*

*<classes>*

*<class name="tut10\_BatchTesting.PaymentTest" />*

*<class name="tut10\_BatchTesting.ProductPageTest" />*

*</classes>*

*</test> <!-- Test -->*

*</suite> <!-- Suite →*

***XML file for All Suites;***

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

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

*<suite name="Master Suite">*

*<suite-files>*

*<suite-file path="E:\GrotechAutomation\MVNProjectTestNgPractice\src\test\java\tut10\_BatchTesting\SanityTestSuite.xml"></suite-file>*

*<suite-file path="E:\GrotechAutomation\MVNProjectTestNgPractice\src\test\java\tut10\_BatchTesting\FunctionalTesting.xml"></suite-file>*

*</suite-files>*

*</suite>*