**TestNG with Selenium**

Learn about using *testng.xml* file to run the tests

**TestNG file example:**

<suite name = “GuidewirePC”>

<test name = “Regression”>

<classes>

<class name = “<package name>.<class name>”/>

</classes>

</test>

</suite>

We run the testng.xml file as a *TestNG Suite*.

**Annotations**

Different annotations are –

@Test – marks a class or a method as part of a test

@BeforeTest – a method marked with this annotation is executed before every test

@AfterTest – a method marked with this annotation is executed after every test

@BeforeClass – this method is executed before every test in the class is executed

@AfterClass – executed after every test in the class is executed

@AfterTest – executed after every test in all the classes within the test is executed.

@BeforeTest – executed before the first test in all the classes is executed

@BeforeSuite, @AfterSuite, @BeforeGroups, @AfterGroups

@Parameters – is used to pass parameters to a test method

@DataProvider – is used to specify that the method is being used as a data supplier. The return type of the method is always Object[] [].

@Factory – returns objects that will be used by TestNG as test classes.

@Listeners – used together with @Test annotation, to help write logs and results.

Parameters - TestNG allows us to pass parameters to test methods through the testng.xml file.

E.g.,

<suite name = “name”>

<test name = “name”>

<parameter name = “browser” value = “chrome/>

<classes>

<class name = “package.class”/>

<classes>

</test>

In the above example we pass parameter ‘browser’ with value ‘chrome’ which is accessed by a method as –

@Parameters({“browser”})

@Test

Public void getURL(String browser){

System.out.println(browser);

}

**Learn ExcelDB.java in StateAuto folder**