**Reports Using Extent Reports**

**BaseClass.java**

package com.app.TestNG.ExtentReports;

import java.awt.Desktop;

import java.io.File;

import java.io.IOException;

import java.lang.reflect.Method;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.ITestContext;

import org.testng.ITestResult;

import org.testng.annotations.\*;

import com.aventstack.extentreports.ExtentReports;

import com.aventstack.extentreports.ExtentTest;

import com.aventstack.extentreports.reporter.ExtentSparkReporter;

public class BaseClass {

public static WebDriver driver;

public static ExtentReports er;

public static ExtentTest et;

@BeforeSuite

public void IntialiseExtentReport()

{

er = new ExtentReports();

File file = new File("Report2.html");

ExtentSparkReporter esr = new ExtentSparkReporter(file);

er.attachReporter(esr);

//To display additional info like OS, Java version, use-- er.setSystemInfo() with System.getProperty

er.setSystemInfo("OS", System.getProperty("os.name"));

er.setSystemInfo("JAVA", System.getProperty("java.version"));

}

@AfterSuite

public void GenerateReport() throws IOException

{

er.flush();

Desktop.getDesktop().browse(new File("Report2.html").toURI());

}

@BeforeTest

public void openbrowser(ITestContext context)

{

driver = new ChromeDriver();

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

et = er.createTest(context.getName());

}

public void GenerateTestStatus(Method m, ITestResult result)

{

if(result.getStatus() == ITestResult.FAILURE)

{

System.out.println("Test Failed");

et.fail(result.getThrowable());

}

else if(result.getStatus() == ITestResult.SUCCESS)

et.pass(m.getName()+" is passed");

}

@AfterTest

public void closebrowser()

{

driver.quit();

}

}

**TestClass.java**

package com.app.TestNG.ExtentReports;

import org.openqa.selenium.By;

import org.testng.Assert;

import org.testng.annotations.Test;

public class TestClass extends BaseClass {

@Test(testName="Test Wiki")

public void method1()

{

driver.get("https://en.wikipedia.org/w/index.php?returnto=Wikipedia%3ANew+account&title=Special:UserLogin&centralAuthAutologinTried=1&centralAuthError=Not+centrally+logged+in");

Assert.assertEquals(driver.getTitle(), "Wiki");

//et.pass("Assertion is passed");

}

@Test(testName="Test Facebook")

public void method2()

{

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

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

driver.findElement(By.id("pass")).sendKeys("abc123");

}

@Test(testName="Test Rediff")

public void method3()

{

driver.get("https://mail.rediff.com/cgi-bin/login.cgi");

driver.findElement(By.id("login1")).sendKeys("admin");

driver.findElement(By.id("password")).sendKeys("admin");

}

}

**TestNGExtRep.xml**

<suite name = *"Extent Report"* verbose = *"1"*>

<test name = *"Test1"*>

<classes>

<class name = *"com.app.TestNG.ExtentReports.TestClass"*>

<methods>

<include name = *"method1"*></include>

</methods>

</class>

</classes>

</test>

<test name = *"Test2"*>

<classes>

<class name = *"com.app.TestNG.ExtentReports.TestClass"*>

<methods>

<include name = *"method2"*></include>

</methods>

</class>

</classes>

</test>

<test name = *"Test3"*>

<classes>

<class name = *"com.app.TestNG.ExtentReports.TestClass"*>

<methods>

<include name = *"method3"*></include>

</methods>

</class>

</classes>

</test>

</suite>