**Cross browsing:**

**Package: pom\_nop\_pageobjects**------ **class: LoginPage**

package pom\_nop\_pageobjects;

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

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

**import org.openqa.selenium.support.FindBy;**

**import org.openqa.selenium.support.PageFactory;**

**public class LoginPage {**

**WebDriver driver;**

**public LoginPage(WebDriver driver)**

**{**

**this.driver=driver;**

**PageFactory.initElements(driver, this);**

**}**

**@FindBy(id="Email")**

**WebElement uemail;**

**@FindBy(id="Password")**

**WebElement upassword;**

**@FindBy(tagName="button")**

**WebElement cbutton;**

**public void entermail(String email)**

**{**

**uemail.clear();**

**uemail.sendKeys(email);**

**}**

**public void enterpasssword(String pwd)**

**{**

**upassword.clear();**

**upassword.sendKeys(pwd);**

**}**

**public void submitbutton()**

**{**

**cbutton.click();**

**}**

**}**

Package: pom\_nop\_testcases;-- class : BaseClass

package pom\_nop\_testcases;

import org.apache.log4j.Logger;

import org.apache.log4j.PropertyConfigurator;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.ie.InternetExplorerDriver;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Parameters;

public class BaseClass {

String url="https://admin-demo.nopcommerce.com/login";

String uname="admin@yourstore.com";

String pwd="admin";

String chromepath="./drivers/chromedriver.exe";

String firefoxpath="./drivers/geckodriver.exe";

String iepath="./drivers/IEDriverServer.exe";

WebDriver driver;

public static Logger logger;

@BeforeClass

@Parameters("browser")

public void setup(String browser)

{

logger=Logger.getLogger("nopEcommerce");

PropertyConfigurator.configure("Log4j.properties");

if(browser.equalsIgnoreCase("chrome"))

{

System.setProperty("webdriver.chrome.driver",chromepath );

logger.info("launch chrome browser");

driver=new ChromeDriver();

}

else if(browser.equalsIgnoreCase("firefox"))

{

System.setProperty("webdriver.gecko.driver",firefoxpath );

logger.info("launch firefox browser");

driver=new FirefoxDriver();

}

else if(browser.equalsIgnoreCase("ie"))

{

System.setProperty("webdriver.ie.driver",iepath );

logger.info("launch internetexplorer browser");

driver=new InternetExplorerDriver();

}

logger.info("maximize browser");

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

}

@AfterClass

public void teardown()

{

driver.close();

}

}

package pom\_nop\_testcases;-- class TC\_nop\_Login

package pom\_nop\_testcases;

import java.util.concurrent.TimeUnit;

import org.testng.Assert;

import org.testng.annotations.Test;

import pom\_nop\_pageobjects.LoginPage;

public class TC\_nop\_Login extends BaseClass

{

@Test

public void login()

{

logger.info("opening the url");

driver.get(url);

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

LoginPage lp=new LoginPage(driver);

logger.info("entering email");

lp.entermail(uname);

logger.info("entering password");

lp.enterpasssword(pwd);

logger.info("clicking submit button");

lp.submitbutton();

String expected="Dashboard / nopCommerce administration ";

String actual=driver.getTitle();

Assert.assertTrue(expected.contains(actual));

}

}

Xml file:

<?xml version=*"1.0"* encoding=*"UTF-8"*?><!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd" >

<suite parallel=*"false"* name=*"Suite"*>

<test name=*"Test1"*>

<parameter name=*"browser"* value=*"chrome"*/>

<classes>

<class name=*"pom\_nop\_testcases.TC\_nop\_Login"*/>

</classes>

</test>

<test name=*"Test2"*>

<parameter name=*"browser"* value=*"firefox"*/>

<classes>

<class name=*"pom\_nop\_testcases.TC\_nop\_Login"*/>

</classes>

</test>

</suite>

<!-- <test name="Test3">

<parameter name="browser" value="ie"/>

<classes>

<class name="pom\_nop\_testcases.TC\_nop\_Login"/>

</classes>

</test> -->

<!-- Suite -->