**Source code**

TestSearchPage code

package com.ninjademo.qa.tests;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

import com.ninjademo.qa.base.TestBase;

import com.ninjademo.qa.pages.SearchPage;

public class TestSearchPage extends TestBase {

    SearchPage sp;

    @BeforeMethod

    public void OpenApp()

    {

    openBrowser();

    sp = new SearchPage(driver);

    }

    @Parameters({"product"})

    @Test(testName="productentry", priority='1')

    public void test\_searchProduct(String product)

    {

        sp.SearchProduct(product);

    }

}

TestRegisterPage Code

package com.ninjademo.qa.tests;

import java.io.FileNotFoundException;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

import com.ninjademo.qa.utilities.Xls\_DataProvider;

public class TestRegisterPage {

public static WebDriver driver;

    @BeforeClass

    public void openBrowser()

    {

        driver = new ChromeDriver();

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

        driver.get("https://tutorialsninja.com/demo/index.php?route=account/register");

    }

    // Test method which should get data from excel sheet

    @Test(dataProvider = "testdata")

    public void register\_user(String username, String lastName, String email, String telephone, String password, String confirm ) throws InterruptedException

    {

        driver.findElement(By.xpath("//input[@id='input-firstname']")).clear();

        driver.findElement(By.xpath("//input[@id='input-firstname']")).sendKeys(username);

        driver.findElement(By.xpath("//\*[@id=\"input-lastname\"]")).clear();

        driver.findElement(By.xpath("//\*[@id=\"input-lastname\"]")).sendKeys(lastName);

        driver.findElement(By.xpath("//\*[@id=\"input-email\"]")).clear();

        driver.findElement(By.xpath("//\*[@id=\"input-email\"]")).sendKeys(email);

        driver.findElement(By.xpath("//input[@id='input-telephone']")).clear();

        driver.findElement(By.xpath("//input[@id='input-telephone']")).sendKeys(telephone);

        driver.findElement(By.xpath("//input[@id='input-password']")).clear();

        driver.findElement(By.xpath("//input[@id='input-password']")).sendKeys(password);

        driver.findElement(By.xpath("//input[@id='input-confirm']")).clear();

        driver.findElement(By.xpath("//input[@id='input-confirm']")).sendKeys(confirm);

        Thread.sleep(1500);

    }

    @DataProvider(name="testdata")

    public   Object[][] datasupply() throws FileNotFoundException

    {

        // get the data from excel sheet

        Object[][] inputdata = Xls\_DataProvider.getTestData("Sheet1");

        return inputdata;

    }

    @AfterClass

    public void CloseBrowser()

    {

        driver.close();

    }

}

TestProductPage Code

package com.ninjademo.qa.tests;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

import com.ninjademo.qa.base.TestBase;

import com.ninjademo.qa.pages.HomePage;

import com.ninjademo.qa.pages.SearchPage;

public class TestProductPage extends TestBase {

SearchPage sp;

HomePage hp;

    @BeforeMethod

    public void OpenApp()

    {

    openBrowser();

    sp = new SearchPage(driver);

    hp = new HomePage(driver);

    }

    //@Parameters({"product"})

    @Test(testName="addtoCartproduct", priority='1')

    public void addproducttoCartTest() throws InterruptedException

    {

        sp.SearchProduct("mac");

        Thread.sleep(1000);

        sp.selectProduct();

        Thread.sleep(1000);

        sp.productaddtocart();

        Thread.sleep(1000);

        hp.Clickonshoppingcart();

    }

}

TestLoginpage code

package com.ninjademo.qa.tests;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

import com.ninjademo.qa.base.TestBase;

import com.ninjademo.qa.pages.HomePage;

import com.ninjademo.qa.pages.LoginPage;

public class TestLoginpage extends TestBase{

HomePage hp;

LoginPage lp;

    @BeforeMethod

    public void openApp()

    {

        openBrowser();

        hp = new HomePage(driver);

        lp = new LoginPage(driver);

    }

    @Parameters({"emailid","password"})

    @Test(testName="login-valid", priority='1')

    public void test\_login(String emailid, String password) throws InterruptedException

    {

        hp.ClickonMyAccount();

        hp.ClickonLogin();

        hp.gettitle();

        lp.loginappValidCredentials(emailid, password);

        Thread.sleep(1500);

        extentTest.pass("Test Passed");

    }

}