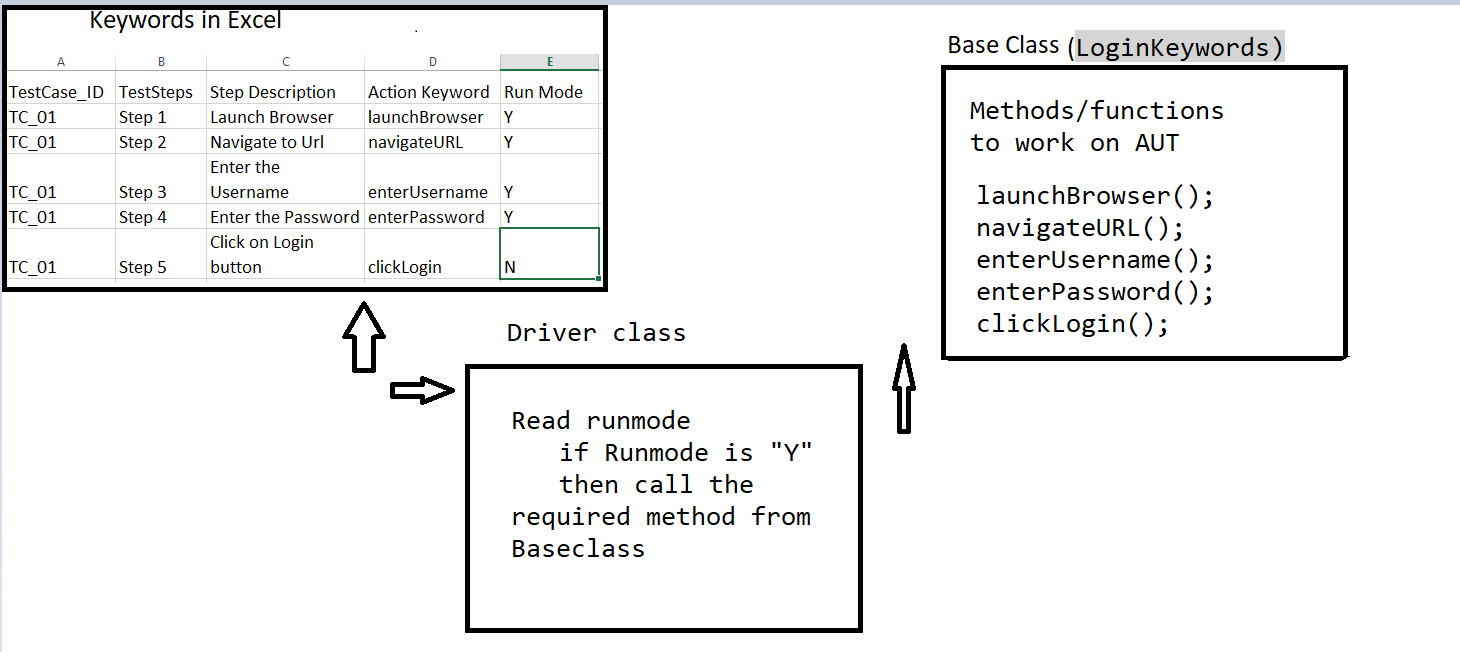
Keyword Driven Framework:

A keyword-driven framework is also called as table-driven testing or action word based testing or Hybrid framework

In this framework we maintain the Action Keywords in workbook, based on those Actin keyword we create individual methods to perform operations on application and those we can call based on Run mode

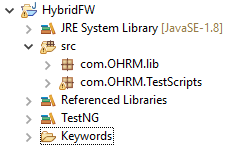


Step 1: Create Java project and Configure WD jars, TestNg jars and Apache-poi jars then create 2 packages and one Folder

Package-1: com.OHRM.lib

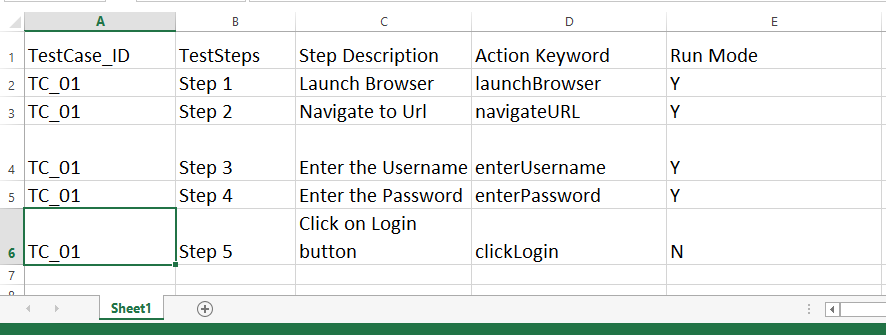
Package-2: com.OHRM.TestScripts

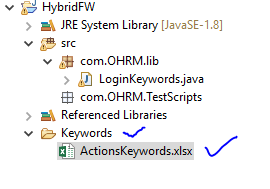
Folder: Keywords



Step 2:

Based on Scenarios maintain the ActionKeywords in Excel file and save it in “Keywords” Folder under java project





Step 3:

Create non-executable class in “com.OHRM.lib “ package and Create individual methods for each Action keyword

**package** com.OHRM.lib;

**import**org.openqa.selenium.By;

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

**import**org.openqa.selenium.chrome.ChromeDriver;

**public class** LoginKeywords {

WebDriver driver;

**public** **void** launchBrowser() {

System.*setProperty*("webdriver.chrome.driver", "D:\\SelResource\\chromedriver.exe");

driver= **new** ChromeDriver();

}

**public** **void** navigateURL() {

driver.get("https://opensource-demo.orangehrmlive.com/");

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

}

**public** **void** enterUsername() {

driver.findElement(By.*name*("txtUsername")).sendKeys("Admin");

}

**public** **void** enterPassword() {

driver.findElement(By.*name*("txtPassword")).sendKeys("admin123");

}

**public** **void** clickLogin() {

driver.findElement(By.*name*("Submit")).click();

}

}

Step 4: create TestNg class in “com.OHRM.TestScripts” package

to call the methods based on ActionKeywords in workbook

**package**com.OHRM.TestScripts;

**import**java.io.FileInputStream;

**import**java.io.IOException;

**import**org.apache.poi.xssf.usermodel.XSSFRow;

**import**org.apache.poi.xssf.usermodel.XSSFSheet;

**import**org.apache.poi.xssf.usermodel.XSSFWorkbook;

**import**org.testng.annotations.Test;

**import**com.OHRM.lib.LoginKeywords;

**public** **class** OHRMLoginTest {

@Test

**public** **void** loginTest() **throws** IOException {

LoginKeywords loginKeys=**new** LoginKeywords();

FileInputStream fi= **new** FileInputStream("./Keywords//ActionsKeywords.xlsx");

XSSFWorkbook wb=**new** XSSFWorkbook(fi);

XSSFSheet ws=wb.getSheet("Sheet1");

//to find number of rows

**int** rows=ws.getLastRowNum();

**for**(**int** i=1; i<= rows; i++) {

//to read runmode

String runMode=ws.getRow(i).getCell(4).toString();

**if**(runMode.equals("Y")) {

//to read Keyword

String KW=ws.getRow(i).getCell(3).toString();

**switch** (KW)

{

**case** "launchBrowser":

loginKeys.launchBrowser();

**break**;

**case** "navigateURL":

loginKeys.navigateURL();

**break**;

**case** "enterUsername":

loginKeys.enterUsername();

**break**;

**case** "enterPassword":

loginKeys.enterPassword();

**break**;

**case** "clickLogin":

loginKeys.clickLogin();

**break**;

}

}

}

}

}