XLXSDataProvider

package com.visionit.orangehrm.utilities;

import java.io.File;

import java.io.FileInputStream;

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

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

public class XLXSDataProvider {

// load the workbook

XSSFWorkbook wb;

// create a constructor of a class

public XLXSDataProvider() {

try {

// load the file and create a reference of that object

File fs =new File("./TestData/testData.xlsx");

// read excel data

FileInputStream fins= new FileInputStream(fs);

// load the workbook

wb = new XSSFWorkbook(fins);

}

catch(Exception e) {

System.out.println("Excel file not found >>" +e.getMessage());

}

}

// create action data and read the string data from excel sheet

public String getStringCellData(String sheetname,int row,int col) {

return wb.getSheet(sheetname).getRow(row).getCell(col).getStringCellValue();

}

//read the integer data from excel sheet

public int getNumericCellData(String sheetname,int row,int col) {

return (int)wb.getSheet(sheetname).getRow(row).getCell(col).getNumericCellValue();

}

public String getStringCellData(int sheetIndex,int row,int col) {

return wb.getSheetAt(sheetIndex).getRow(row).getCell(col).getStringCellValue();

}

public int getNumericCellData(int sheetIndex,int row,int col) {

return (int)wb.getSheetAt(sheetIndex).getRow(row).getCell(col).getNumericCellValue();

}

public Object[][] excelTestData(String sheetname) {

XSSFSheet sheet= wb.getSheet(sheetname);

// to get how many number of rows

int rowCount = sheet.getLastRowNum();

// to get how many number of columns

int colCount = sheet.getRow(0).getLastCellNum();

// create object of a 2D array

Object[][]data = new Object[rowCount][colCount];

//iterate the data from row..for one row how many columns are there that we will

//going to iterate.

//inner for loop for no. of columns

//outer for loop for no. of rows

for(int i = 0; i<rowCount;i++) {

for(int j=0;j<colCount;j++) {

//String method return you boolean data

data[i][j] = sheet.getRow(i+1).getCell(j).toString();

}

}

return data;

}

}

**HomePage**

package com.visionit.orangehrm.pageObject;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.CacheLookup;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class HomePage {

WebDriver driver;

@FindBy(id = "menu\_admin\_viewAdminModule")

@CacheLookup

WebElement admin;

@FindBy(id = "menu\_admin\_UserManagement")

@CacheLookup

WebElement userManagement;

@FindBy(id = "menu\_admin\_viewSystemUsers")

@CacheLookup

WebElement user;

public HomePage(WebDriver driver) {

this.driver = driver;

PageFactory.initElements(driver, this);

}

public AddUserPage navigateToAddUserPage() {

Actions action = new Actions (driver);

action.moveToElement(admin).moveToElement(userManagement).moveToElement(user).click().build().perform();

return new AddUserPage(driver);

}

}

**AddUserPage**

package com.visionit.orangehrm.pageObject;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.CacheLookup;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

import com.visionit.orangehrm.utilities.Helper;

public class AddUserPage {

@FindBy(id = "btnAdd")

@CacheLookup

WebElement btnAdd;

//DD--means Dropdown

@FindBy(id = "systemUser\_userType")

@CacheLookup

WebElement SystemUseDD;

@FindBy(id = "systemUser\_employeeName\_empName")

@CacheLookup

WebElement EmployeeName;

@FindBy(id = "systemUser\_userName")

@CacheLookup

WebElement username;

@FindBy(id = "systemUser\_status")

@CacheLookup

WebElement systemUser\_statusDD;

@FindBy(id = "systemUser\_password")

@CacheLookup

WebElement userPassword;

@FindBy(id = "systemUser\_confirmPassword")

@CacheLookup

WebElement confirmpas;

@FindBy(id = "btnSave")

@CacheLookup

WebElement btnSave ;

WebDriver driver;

public AddUserPage(WebDriver driver) {

this.driver = driver;

PageFactory.initElements(driver, this);

}

public void addNewUser(String selectRole,String employeeName,String userName,String status,String password,String confirmPassword) {

try {

btnAdd.click();

Helper.selectDropDownValue(SystemUseDD,selectRole );

EmployeeName.sendKeys(employeeName);

username.sendKeys(userName);

Helper.selectDropDownValue(systemUser\_statusDD,status );

userPassword.sendKeys(password);

confirmpas.sendKeys(confirmPassword);

btnSave.click();

}catch(Exception e) {

}

}

}

**Helper**

**package** com.visionit.orangehrm.utilities;

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

**import** org.openqa.selenium.support.ui.Select;

**public** **class** Helper {

**public** **static** **void** selectDropDownValue(WebElement ele,String visibleText) {

**new** Select(ele).selectByVisibleText(visibleText);

}

**public** **static** **void** selectDropDownValue(WebElement ele, **int** index) {

**new** Select(ele).selectByIndex(index);

}

**public** **static** **void** selectDropDownValue(String value,WebElement ele) {

**new** Select(ele).selectByValue(value);

}

}

**AddUserTC\_002**

**package** com.visionit.orangehrm.testcases;

**import** org.testng.annotations.DataProvider;

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

**import** com.visionit.orangehrm.pageObject.AddUserPage;

**import** com.visionit.orangehrm.pageObject.HomePage;

**import** com.visionit.orangehrm.pageObject.LoginPage;

**import** com.visionit.orangehrm.testBase.TestBase;

**public** **class** AddUserTC\_002 **extends** TestBase{

@Test(dataProvider="getExcelData")

**public** **void** addNewUserTest(String user\_Role,String empName,String userName,String status,String password,String confirmPassword) {

LoginPage login = **new** LoginPage(*driver*);

HomePage homepage = login.loginOrangeHrm(xlsxData.getStringCellData("login", 0, 0),

xlsxData.getStringCellData("login", 0, 1));

AddUserPage addUser = homepage.navigateToAddUserPage();

addUser.addNewUser(user\_Role, empName, userName, status, password, confirmPassword);

}

@DataProvider

**public** Object[][] getExcelData(){

Object[][] data= xlsxData.excelTestData("adduser");

**return** data;

}

}

**Login\_Tc\_001**

**package** com.visionit.orangehrm.testcases;

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

**import** com.visionit.orangehrm.pageObject.HomePage;

**import** com.visionit.orangehrm.pageObject.LoginPage;

**import** com.visionit.orangehrm.testBase.TestBase;

**public** **class** Login\_Tc\_001 **extends** TestBase {

@Test

**public** **void** loginOrangeHrmTest() {

LoginPage login = **new** LoginPage(*driver*);

// login.loginOrangeHrm(configData.getUserName(),configData.getUserPassword());

login.loginOrangeHrm(xlsxData.getStringCellData("login", 0, 0),

xlsxData.getStringCellData("login", 0, 1));

}

}

**LoginPage**

package com.visionit.orangehrm.pageObject;

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;

// find a webelement using findby methods

@FindBy(name = "txtUsername")

WebElement username;

@FindBy(name = "txtPassword")

WebElement userpass;

@FindBy(id = "btnLogin")

WebElement loginBtn;

// create a web Element repository at page level

// create a login constructor..constructor name and login name must be same.

public LoginPage(WebDriver driver) {

this.driver = driver;

// By using page factory class we are going to initialise all webelements

PageFactory.initElements(driver, this);

}

// This is the action method

public HomePage loginOrangeHrm(String uname,String upass) {

//username.sendKeys("Admin");

//userpass.sendKeys("admin123");

username.sendKeys(uname);

userpass.sendKeys(upass);

loginBtn.click();

return new HomePage(driver);

}

}

