CustomerForm.java

package com.selenium.pages;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class CustomerForm {

WebDriver driver;

private String cName,age,address,phoneNumber,email;

public CustomerForm(WebDriver driver) {

this.driver = driver;

}

public void setCustomerName(String cName) {

this.cName = cName;

}

public void setAge(String age) {

this.age = age;

}

public void setAddress(String address) {

this.address = address;

}

public void setPhoneNumber(String phoneNumber) {

this.phoneNumber = phoneNumber;

}

public void setEmail(String email) {

this.email = email;

}

public void submitForm(){

driver.findElement(By.name("cname")).sendKeys(cName);

driver.findElement(By.name("age")).sendKeys(age);

driver.findElement(By.name("address")).sendKeys(address);

driver.findElement(By.name("phonenumber")).sendKeys(phoneNumber);

driver.findElement(By.name("email")).sendKeys(email);

driver.findElement(By.id("submit")).click();

}

public String getErrorMessage() {

return driver.findElement(By.id("message")).getText();

}

}

DsiplayCustomer.java

package com.selenium.pages;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class DisplayCustomer { WebDriver driver;

public DisplayCustomer(WebDriver driver){

this.driver = driver;

}

public String getName() {

return driver.findElement(By.xpath("//table//tr[1]//td[2]")).getText();

}

public String getTitle() {

return driver.findElement(By.xpath("//h2")).getText();

}

public String getAge() {

return driver.findElement(By.xpath("//table//tr[2]//td[2]")).getText();

}

public String getAddress() {

return driver.findElement(By.xpath("//table//tr[3]//td[2]")).getText();

}

public String getPhoneNumber() {

return driver.findElement(By.xpath("//table//tr[4]//td[2]")).getText();

}

public String getEmail() {

return driver.findElement(By.xpath("//table//tr[5]//td[2]")).getText();

}

}

ExcelUtils.java

package com.selenium.setup;

import java.io.FileInputStream;

import org.apache.poi.ss.usermodel.DataFormatter;

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

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

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

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

public class ExcelUtils {

public static Object[][] readExcelData(String excelSheet) throws Exception

{

DataFormatter formatter= new DataFormatter();

FileInputStream fileInputStream= new

FileInputStream("src/customer\_registration.xlsx");

XSSFWorkbook workbook = new XSSFWorkbook (fileInputStream);

XSSFSheet worksheet=workbook.getSheet(excelSheet);

XSSFRow Row=worksheet.getRow(0);

int RowNum = worksheet.getPhysicalNumberOfRows();

int ColNum= Row.getLastCellNum();

Object Data[][]= new Object[RowNum-1][ColNum];

for(int i=0; i<RowNum-1; i++) {

XSSFRow row= worksheet.getRow(i+1);

for (int j=0; j<ColNum; j++)

{

if(row==null)

Data[i][j]= "";

else

{

XSSFCell cell= row.getCell(j);

if(cell==null)

Data[i][j]= "";

else

{

String value=formatter.formatCellValue(cell);

System.out.print(value+"\t");

Data[i][j]=value;

}

}

}

System.out.println();

}

return Data;

}

}

TestCustomerForm.java

package com.selenium.tests;

import static org.testng.Assert.assertEquals;

import org.openqa.selenium.WebDriver;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

import com.selenium.pages.CustomerForm;

import com.selenium.setup.DriverSetup;

import com.selenium.setup.ExcelUtils;

public class TestCustomerForm extends DriverSetup{

static public String blankErrtxt;

@BeforeClass

public void setUp()

{

driver = getDriver();

}

@Test(dataProvider = "customerInvalid")

public void testInvalidCustomerDetails(String testcasename,String name,String age,String

address,String phoneNumber,String email)

{

CustomerForm custInvalid = new CustomerForm(driver);

custInvalid.setCustomerName(name);

custInvalid.setAddress(address);

custInvalid.setAge(age);

custInvalid.setPhoneNumber(phoneNumber);

custInvalid.setEmail(email);

custInvalid.submitForm();

blankErrtxt = custInvalid.getErrorMessage();

System.out.println(blankErrtxt);

}

@DataProvider(name = "customerInvalid")

public Object[][] getExcelData() throws Exception

{

Object[][] arr = ExcelUtils.readExcelData("customer\_invalid");

return arr;

}

@AfterClass

public void closeBrowser()

{

driver.quit();

}

}

TestDisplayCustomer

package com.selenium.tests;

import static org.testng.Assert.assertEquals;

import java.util.concurrent.TimeUnit;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

import com.selenium.pages.CustomerForm;

import com.selenium.pages.DisplayCustomer;

import com.selenium.setup.DriverSetup;

import com.selenium.setup.ExcelUtils;

public class TestDisplayCustomer extends DriverSetup{

public static String titletxt;

public static String customerNametxt;

public static String agetxt;

public static String addresstxt;

public static String numbertxt;

public static String emailtxt;

@BeforeClass

public void setUp()

{

driver=getDriver();

}

@Test(dataProvider = "customerValid")

public void testValidCustomerDetails(String testcasename,String name,String

age,String address,String phoneNumber,String email)

{

CustomerForm custValid = new CustomerForm(driver);

custValid.setCustomerName(name);

custValid.setAddress(address);

custValid.setAge(age);

custValid.setPhoneNumber(phoneNumber);

custValid.setEmail(email);

custValid.submitForm();

DisplayCustomer displayValid = new DisplayCustomer(driver);

titletxt = displayValid.getTitle();

customerNametxt = displayValid.getName();

agetxt = displayValid.getAge();

addresstxt = displayValid.getAddress();

numbertxt = displayValid.getPhoneNumber();

emailtxt = displayValid.getEmail();

System.out.println(titletxt);

System.out.println(customerNametxt);

System.out.println(agetxt);

System.out.println(addresstxt);

System.out.println(numbertxt);

System.out.println(emailtxt);

}

@DataProvider(name = "customerValid")

public Object[][] getExcelData() throws Exception

{

Object[][] arr = ExcelUtils.readExcelData("customer\_valid");

return arr;

}

@AfterClass

public void closeBrowser()

{

driver.quit();

}

}

Testing.xml

<?xml version="1.0" encoding="UTF-8"?>

<!--<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">-->

<suite name="Suite">

<test name="Test">

<classes>

<!-- Specify class names,'com.selenium.tests.TestCustomerForm' and

'com.selenium.tests.TestDisplayCustomer' -->

<class name="com.selenium.tests.TestCustomerForm" />

<class name="com.selenium.tests.TestDisplayCustomer" />

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

TestRunner.java

package com.selenium.setup;

import java.util.List;

import org.testng.TestNG;

import org.testng.collections.Lists;

public class TestRunner {

public static void main(String[] args) {

TestNG testng = new TestNG();

List<String> suites = Lists.newArrayList();

suites.add("testng.xml");

testng.setTestSuites(suites);

testng.run();

}

}