

-----PAGE DETAILS-----

```
package pom_page;

import java.io.FileInputStream;

import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class PQ_saucedemo_Page {

    WebDriver driver;

    @FindBy(xpath="//*[@id=\"user-name\"]")
    WebElement username;

    @FindBy(xpath="//*[@id=\"password\"]")
    WebElement password;

    @FindBy(xpath="//input[@type=\"submit\"]")
    WebElement login;

    @FindBy(xpath="//*[@id=\"add-to-cart-sauce-labs-backpack\"]")
    WebElement product1_Adcart;

    @FindBy(xpath="//*[@id=\"add-to-cart-sauce-labs-bike-light\"]")
    WebElement product2_Adcart;

    @FindBy(xpath="//*[@id=\"add-to-cart-sauce-labs-bolt-t-shirt\"]")
    WebElement product3_Adcart;

    @FindBy(xpath="//*[@id=\"add-to-cart-sauce-labs-fleece-jacket\"]")
    WebElement product4_Adcart;

    @FindBy(xpath="//*[@id=\"add-to-cart-sauce-labs-onesie\"]")
    WebElement product5_Adcart;

    @FindBy(xpath="//*[@id=\"add-to-cart-test.allthethings()-t-shirt-(red)\"]")
    WebElement product6_Adcart;

    @FindBy(xpath="//*[@id=\"shopping_cart_container\"]/a")
    WebElement cart;

    @FindBy(xpath="//*[@id=\"checkout\"]")
    WebElement checkout;

    @FindBy(xpath="//*[@id=\"first-name\"]")
    WebElement firstname;

    @FindBy(xpath="//*[@id=\"last-name\"]")
    WebElement lastname;

    @FindBy(xpath="//*[@id=\"postal-code\"]")
    WebElement zipcode;

    @FindBy(xpath="//*[@id=\"continue\"]")
}
```

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WebElement continuebutton;

@FindBy(xpath="//*[@id=\"finish\"]")
WebElement finish;

@FindBy(xpath="//*[@id=\"back-to-products\"]")
WebElement backHome;

@FindBy(xpath="//*[@id=\"react-burger-menu-btn\"]")
WebElement hamburger;

@FindBy(xpath="//*[@id=\"logout_sidebar_link\"]")
WebElement logout;

//----constructor
public PQ_saucedemo_Page(WebDriver driver)
{
    this.driver=driver;
    PageFactory.initElements(driver, this);
}

public void loginvalidation() throws Exception
{
    FileInputStream f = new
FileInputStream("C:\\Users\\elvin\\OneDrive\\Desktop\\Excel
workbook\\PQsauceworkbook.xlsx");
    XSSFWorkbook wb = new XSSFWorkbook(f);
    XSSFSheet sh = wb.getSheet("Sheet1");

    int rowcount= sh.getLastRowNum();

    for(int i=1;i<=rowcount;i++)
    {
        String usrnm =
sh.getRow(i).getCell(0).getStringCellValue();
        System.out.println("username = "+usrnm);
        String pswd =
sh.getRow(i).getCell(1).getStringCellValue();
        System.out.println("password = "+pswd);

        username.sendKeys(usrnm);
        Thread.sleep(500);

        password.sendKeys(pswd);
        Thread.sleep(500);

        login.click();
        Thread.sleep(500);

        driver.navigate().refresh();
        Thread.sleep(500);
    }
}

public void addAllProductsToCart() throws Exception
{
    product1_Adcart.click();
    Thread.sleep(700);

    product2_Adcart.click();
    Thread.sleep(700);
}

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        product3_Adcart.click();
        Thread.sleep(700);

        product4_Adcart.click();
        Thread.sleep(700);

        product5_Adcart.click();
        Thread.sleep(700);

        product6_Adcart.click();
        Thread.sleep(700);
    }

    public void clickCartnCheckout() throws Exception
    {
        cart.click();
        Thread.sleep(700);

        checkout.click();
        Thread.sleep(700);
    }

    public void fillInfoContinueFinish(String frstnme, String lstnme,
String zip) throws Exception
    {
        firstname.sendKeys(frstnme);
        Thread.sleep(700);

        lastname.sendKeys(lstnme);
        Thread.sleep(700);

        zipcode.sendKeys(zip);
        Thread.sleep(700);

        continuebutton.click();
        Thread.sleep(1000);

        finish.click();
        Thread.sleep(1000);
    }

    public void backHomenLogout() throws Exception
    {
        backHome.click();
        Thread.sleep(700);

        hamburger.click();
        Thread.sleep(700);

        logout.click();
        Thread.sleep(700);
    }
}

```

-----TEST DETAILS-----

```
package pom_test;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Test;

import pom_page.PQ_saucedemo_Page;

public class PQ_saucedemo_Test {
    WebDriver driver;

    @BeforeTest
    public void setUp()
    {
        driver = new ChromeDriver();
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();
    }

    @Test
    public void test() throws Exception
    {
        PQ_saucedemo_Page ob = new PQ_saucedemo_Page(driver);

        ob.loginvalidation();
        ob.addAllProductsToCart();
        ob.clickCartnCheckout();
        ob.fillInfoContinueFinish("Alex", "Leema", "340954");
        ob.backHomenLogout();
    }
}
```