

1.Problem statement:

TC158	Add a product to cart and remove an item	1. Sign up on User page (https://atozgroceries.com/) 2. Add any two product to cart 4. Verify both the product added to cart or not 5. Remove one last item using remove item icon and check	1. Validate the removed product is not in cart.
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2. code with comments:

UserPage.java

```
package com.ibm.pages;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.support.FindBy;
```

```
import org.openqa.selenium.support.PageFactory;
```

```
import org.openqa.selenium.support.ui.WebDriverWait;
```

```
import com.ibm.test.BaseTest;
```

```
public class UserPage extends BaseTest{
```

```
    @FindBy(xpath="//*[@id=\"pnum2\"]")
```

```
    WebElement userEle;
```

```
    @FindBy(id="pword2")
```

```
    WebElement passEle;
```

```
    @FindBy(id="mem_login")
```

```
    WebElement loginEle;
```

```

WebDriverWait wait;

WebDriver driver;

public UserPage(WebDriver driver,WebDriverWait wait) {

    PageFactory.initElements(driver, this);

    this.driver=driver;

    this.wait=wait;

}

public void userName(String username)
{

    userEle.sendKeys(username);

}

public void enterPassword(String password)
{

    passEle.sendKeys(password);

}

public void clickOnLogin()
{

    loginEle.click();

}

}

```

Data.properties file:

```

url=https://atozgroceries.com
username=7675058941
password=456789

```

BaseTest.java:

```

package com.ibm.test;

```

```
import java.io.FileInputStream;
import java.io.IOException;
import java.lang.*;
import java.util.HashMap;
import java.util.Properties;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;
```

```
import com.ibm.pages.UserPage;
import com.ibm.utilities.ExcelUtil;
import com.ibm.utilities.PropertiesFileHandler;
```

```
//jars would be in the link
```

```
// https://drive.google.com/open?id=1Oa7AzFN8nQapvatjRToU_bwDgpf18QKI
```

```
public class BaseTest extends ExcelUtil {
```

```
    WebDriverWait wait;
```

```

WebDriver driver;

@Test
public void testCase8() throws IOException, InterruptedException {
    FileInputStream file = new FileInputStream("./TestData/data.properties");
    Properties prop = new Properties();
    prop.load(file);
    String url = prop.getProperty("url");
    String username = prop.getProperty("username");
    String password = prop.getProperty("password");
    System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
    driver = new ChromeDriver();
    wait = new WebDriverWait(driver, 60);
    driver.get(url);
    driver.manage().window().maximize();
    driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
    UserPage user = new UserPage(driver, wait);

    WebElement loginEle=driver.findElement(By.linkText("Login"));
    loginEle.click();

    user.userName(username);
    user.enterPassword(password);
    user.clickOnLogin();
    Thread.sleep(3000);

    WebElement categoryEle=driver.findElement(By.cssSelector("#categories-menu >
ul.menu > li.menu-item > span.click-categories.flaticon-bars"));
    categoryEle.click();

    WebElement fruitsEle=driver.findElement(By.linkText("Fruits"));

```

```

fruitsEle.click();

WebElement firstCartEle=driver.findElement(By.id("addtocart_cartbtn234"));
firstCartEle.click();

WebElement secondCartEle=driver.findElement(By.id("addtocart_cartbtn231"));
secondCartEle.click();

WebElement cartEle=driver.findElement(By.cssSelector("div.cart-menu > a > i.faticon-
commerce"));
cartEle.click();

WebElement goToCartEle=driver.findElement(By.linkText("Go To Cart"));
goToCartEle.click();

WebElement deleteCartEle=driver.findElement(By.linkText("×"));
deleteCartEle.click();

WebElement updateCartEle=driver.findElement(By.cssSelector("button.button.button-
check-out"));
updateCartEle.click();

WebElement cartCheckEle=driver.findElement(By.id("bigCart"));
cartCheckEle.click();

Assert.assertTrue(driver.findElement(By.partialLinkText("1")).isDisplayed());
}
}

```

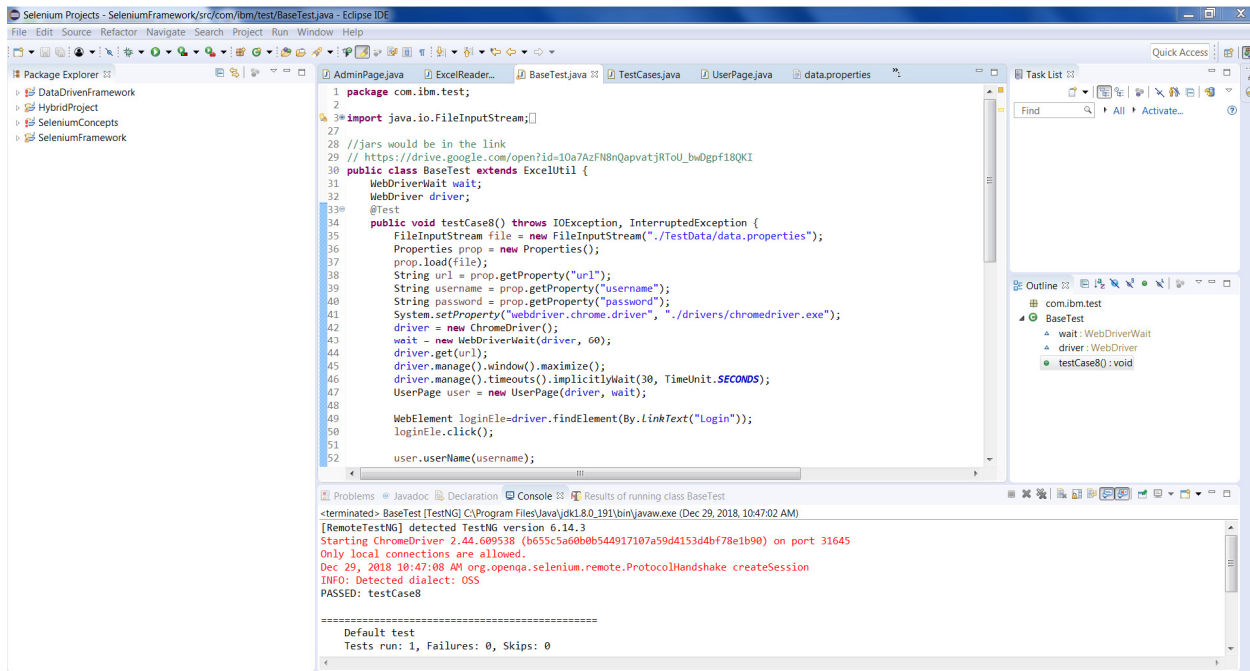
3. Explanation of the code:

UserPage.java is created for the atozgroceries login code which extends BaseTest.java code containing our Test Case 8 code. Getting data from properties file data.properties. added 2 elements hence performed assert for 1 being present in the final cart page.

4. Result flow in detail:

UserPage.java is created for the atozgroceries login code which extends BaseTest.java code containing our Test Case 8 code. Getting data from properties file data.properties. added 2 elements hence performed assert for 1 being present in the final cart page.

5. Output screenshot:



The screenshot displays the Eclipse IDE interface with the Selenium framework project. The main editor shows the `BaseTest.java` file, which contains the `testCase8()` method. The method performs a login operation using credentials from a properties file and asserts that the user is logged in. The console output shows the test results for `testCase8()`, indicating that the test passed.

```
1 package com.ibm.test;
2
3 import java.io.FileInputStream;
4
5 //jars would be in the link
6 // https://drive.google.com/open?id=10s7AzFN8nQapvatjRTToU_bwDgpf18QKI
7
8 public class BaseTest extends ExcelUtil {
9     WebDriver driver;
10
11     @Test
12     public void testCase8() throws IOException, InterruptedException {
13         FileInputStream file = new FileInputStream("./TestData/data.properties");
14         Properties prop = new Properties();
15         prop.load(file);
16         String url = prop.getProperty("url");
17         String username = prop.getProperty("username");
18         String password = prop.getProperty("password");
19         System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
20         driver = new ChromeDriver();
21         wait = new WebDriverWait(driver, 60);
22         driver.get(url);
23         driver.manage().window().maximize();
24         driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
25         UserPage user = new UserPage(driver, wait);
26
27         WebElement loginEle=driver.findElement(By.LinkText("Login"));
28         loginEle.click();
29
30         user.userName(username);
31     }
32 }
```

Console Output:

```
<terminated> BaseTest [TestNG] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 29, 2018, 10:47:02 AM)
[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a6080b544917107a59d4153d4bf78e1b90) on port 31645
Only local connections are allowed.
Dec 29, 2018 10:47:08 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
PASSED: testCase8

=====
Default test
Tests run: 1, Failures: 0, Skips: 0
```