Test Case

Description	Test Steps	Validation
Sign In and Place an order and check statistics	1. Login to admin portal 2.Goto Report and then Statistics. 3. Get the Total products value. 4. Sign in on User page (https://atozgroceries.com/) 5. Add anyone product to cart 6. Proceed to check out and give COD and confirm order 7. Go to my order and check the placed order	1. Validate the presence of added product in cart. 2. Validate the presence of updated record in the DB table 3. Verify the Total Order value is increased or not under Report --\>Statistics

Steps Executed:

- Login to the admin portal with user id and password
- Click on Report->Statistics and the 'Total Sales Value' is taken from the table in admin panel
- Navigate to the user page, add a product to cart.
- Click on the Check out once it is added to cart and payment by COD is selected and order is confirmed.
- Click on 'My Order' in 'My Account' and checked the order is placed or not
- Validation for 'Presence of product in cart' 'Presence of product in DB table' and 'Total Sales Value' is again taken and validated whether the amount is increased now.

Program Code:

```
package com.ibm.test;

import java.io.File;
import java.io.IOException;
import java.sql.Connection;
import java.sql.Date;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.concurrent.TimeUnit;


import org.apache.commons.io.FileUtils;
import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
```

```java
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
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.WebDriverWait;
import org.testng.Assert;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;


import com.ibm.pages.AdminPage;
import com.ibm.pages.AdminPage1;
import com.ibm.pages.UserPage;
import com.ibm.utilities.ExcelUtil;
import com.ibm.utilities.PropertiesFileHandler;

public class BaseTest {
	WebDriver driver;
	WebDriverWait wait;
	PropertiesFileHandler propFIleHandler;
	HashMap<String, String> data;

	@BeforeSuite
	public void propertiesfile() throws IOException {
		String file = "./TestData/data.properties";
		PropertiesFileHandler propFileHandler = new PropertiesFileHandler();
		data = propFileHandler.getPropertiesAsMap(file);
	}

	@BeforeMethod
	public void BrowserInitialization() {
		System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
		driver = new ChromeDriver();
		wait = new WebDriverWait(driver, 60);
		driver.manage().window().maximize();
		driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
	}
	@Test
	public void ReportStatistics() throws InterruptedException, SQLException {

		String url = data.get("url");
		String userName = data.get("username");
		String password = data.get("password");
	  driver.get(url);

		AdminPage1 home = new AdminPage1(driver, wait);
		home.EnetrEmailAddress(userName);
```

```java
            home.EnetrPassword(password);
            home.ClickonLoginButton();
            home.ClickOnReports();
            Thread.sleep(3000);
            home.ClickOnStatistics();
            WebElement Product = driver.findElement(
                        By.xpath("//table[@class='table table-bordered table-
striped table-hover']/tbody/tr[1]/td[2]"));
            String ProductValue =
Product.getText().replace(",","").replace(".","").replaceAll("00","").trim();
            System.out.println("The total sales value before adding a product to
cart is:" + ProductValue);
            Integer Value1=Integer.parseInt(ProductValue);
            UserPage User = new UserPage(driver, wait);
            driver.get("https://atozgroceries.com/");
            User.ClickonLogin();
            User.EnterPhoneNumber();
            User.EnterPassword();
            User.ClickonLoginButton();
            Thread.sleep(3000);
            User.ClickonSearchbox();
            User.ClickonSearchElement();
            User.ClickOnAddToCart();
            // Verifying the success message whether the product is added to the
cart
            WebElement Msg = driver.findElement(By.xpath("//span[@id='toastmsg']"));
            String SuccessMsg = Msg.getText();
            System.out.println("The product added message:" + SuccessMsg);
            User.ClickOnCartIcon();
            User.ClicOnCheckOut();
            User.ScrollUpDownInPage();
            User.ClickOnContinuePayment();
            Thread.sleep(2000);
            User.ScrollUpDownInPage1();
            User.ClickOnCheckBox();
            User.ClickOnConfirmOrder();
            Thread.sleep(2000);
            User.ClickOnMyAccount();
            User.ClickOnMyOrder();
            // TO get the order id of newly placed product
            WebElement Order = driver
                        .findElement(By.xpath("//table[@class='table table-
bordered table-hover']/tbody/tr[1]/td[1]"));
            String OrderId = Order.getText().replaceAll("#", "").trim();
            System.out.println("The order id is :" + OrderId);

            // To Validate the presence of added record in the db table
            Connection c =
DriverManager.getConnection("jdbc:mysql://foodsonfinger.com:3306/foodsonfinger_atozgr
oceries",
                        "foodsonfinger_atoz", "welcome@123");
            Statement s = c.createStatement();
            ResultSet rs = s.executeQuery("SELECT * from as_order where
customer_id='9489160855' ");
            while (rs.next()) {
```

```java
                    System.out.println("The order added :" +
rs.getString("order_id"));
                        Assert.assertEquals(rs.getString("order_id"), OrderId);

            }
            // To check whether the total sales value has increased
            driver.get(url);
            AdminPage1 home1 = new AdminPage1(driver, wait);
            home1.EnetrEmailAddress(userName);
            home1.EnetrPassword(password);
            home1.ClickonLoginButton();
            home1.ClickOnReports();
            Thread.sleep(3000);
            home1.ClickOnStatistics();
            WebElement Product1 = driver.findElement(By.xpath("//table[@class='table
table-bordered table-striped table-hover']/tbody/tr[1]/td[2]"));
            String ProductValue1 =
Product1.getText().replace(",","").replace(".","").replaceAll("00","").trim();
            System.out.println("The total sales value before adding a product to
cart is:" + ProductValue1);
            Integer Value2=Integer.parseInt(ProductValue1);
        if((Value2 > Value1))
        {
            System.out.println("The Total Sale value has increased");
        }

    }

}
```

Screenshot of steps Executed:

*Login into admin portal

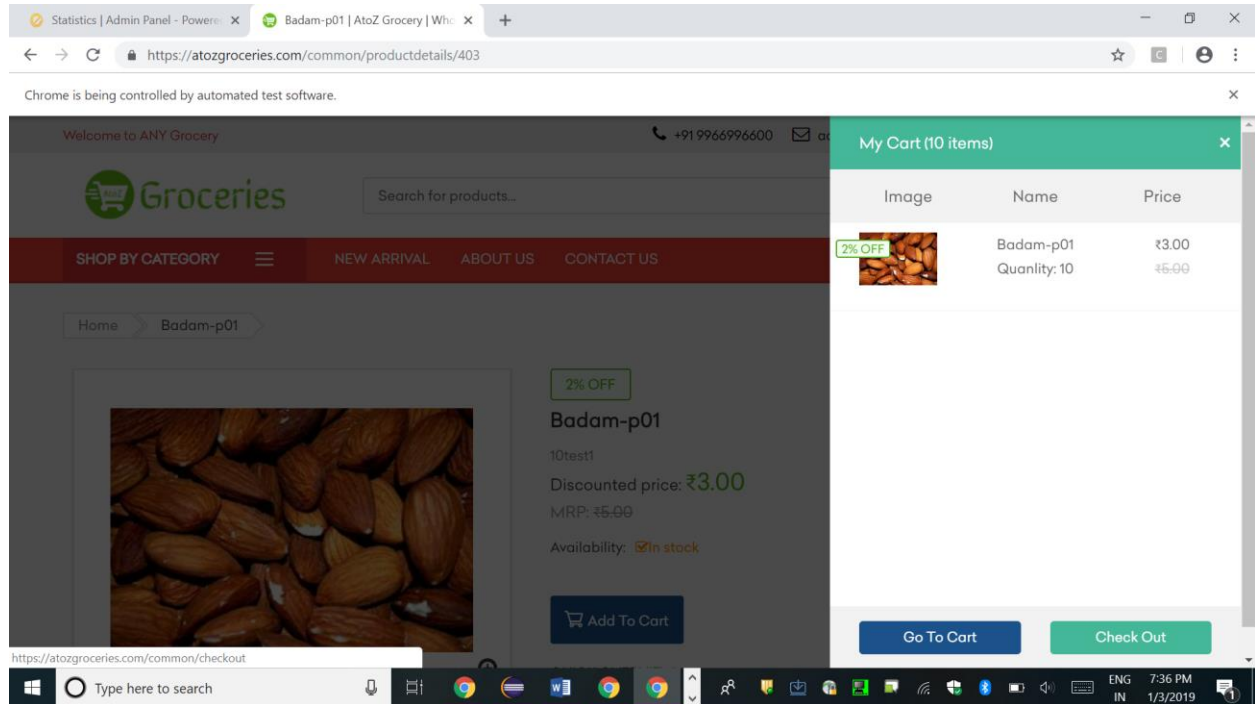*Initial 'Total Sales' value is taken from Statistics

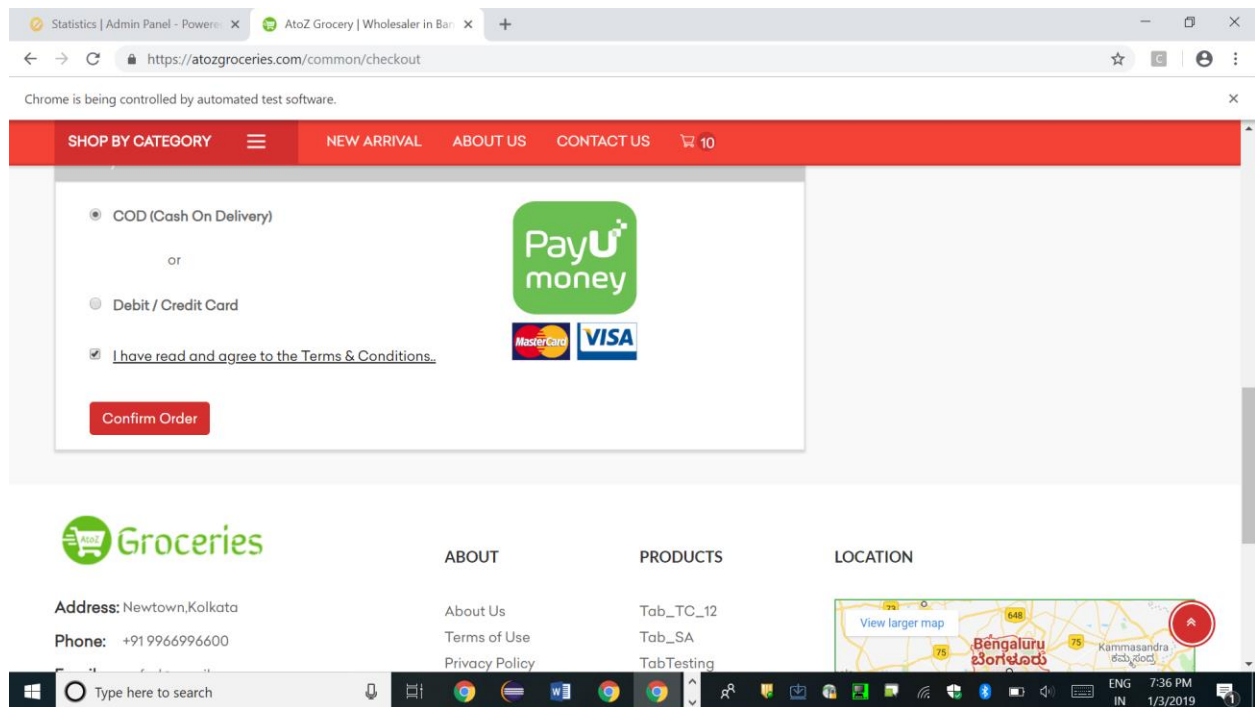*product is selected in 'Search for products'
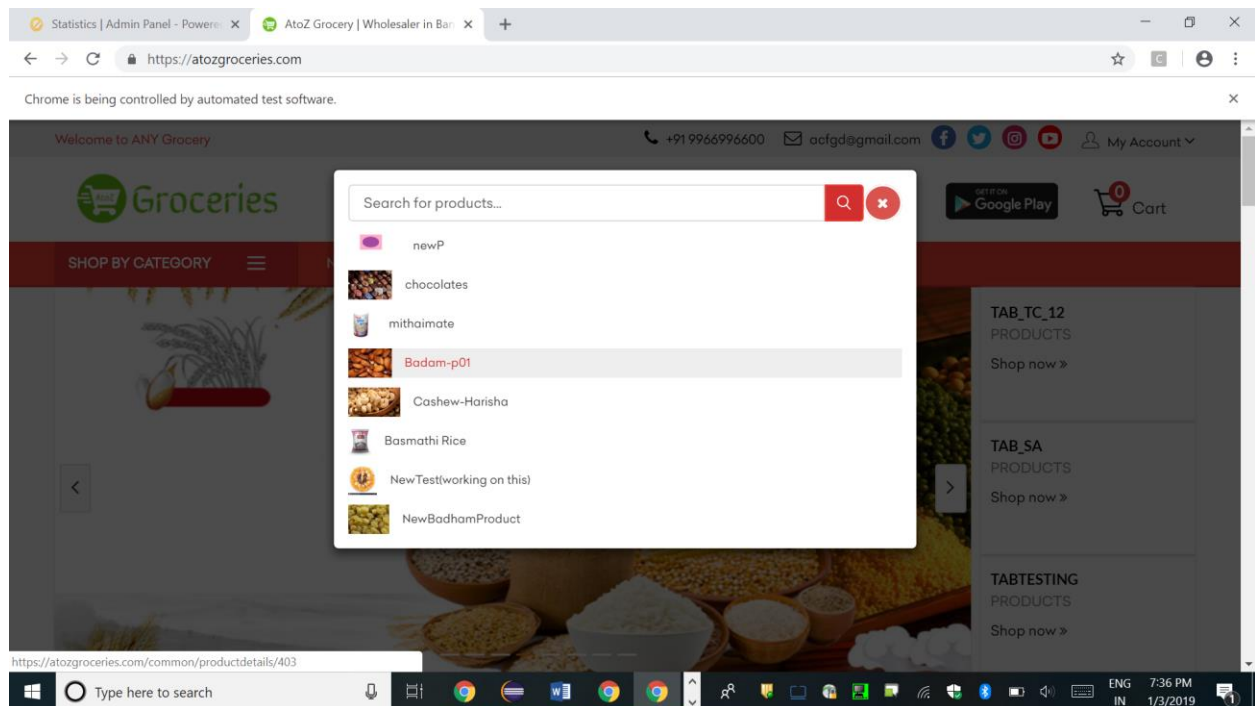
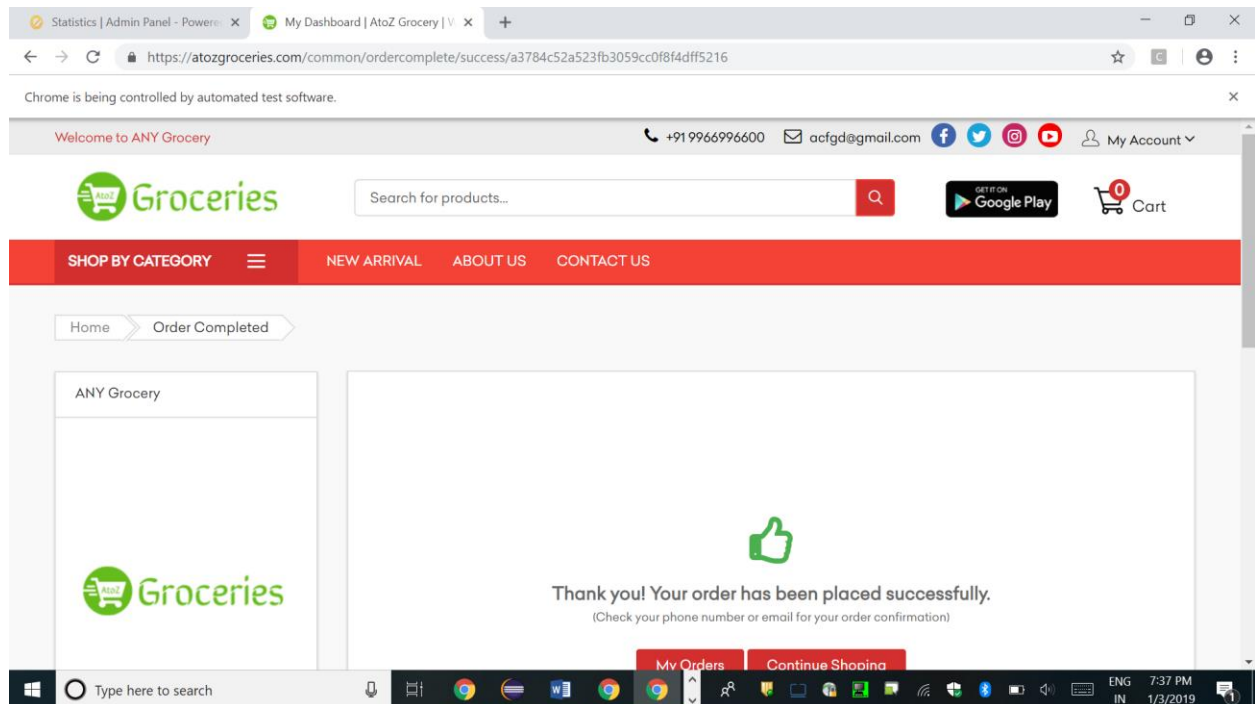*A product is selected for adding to cart
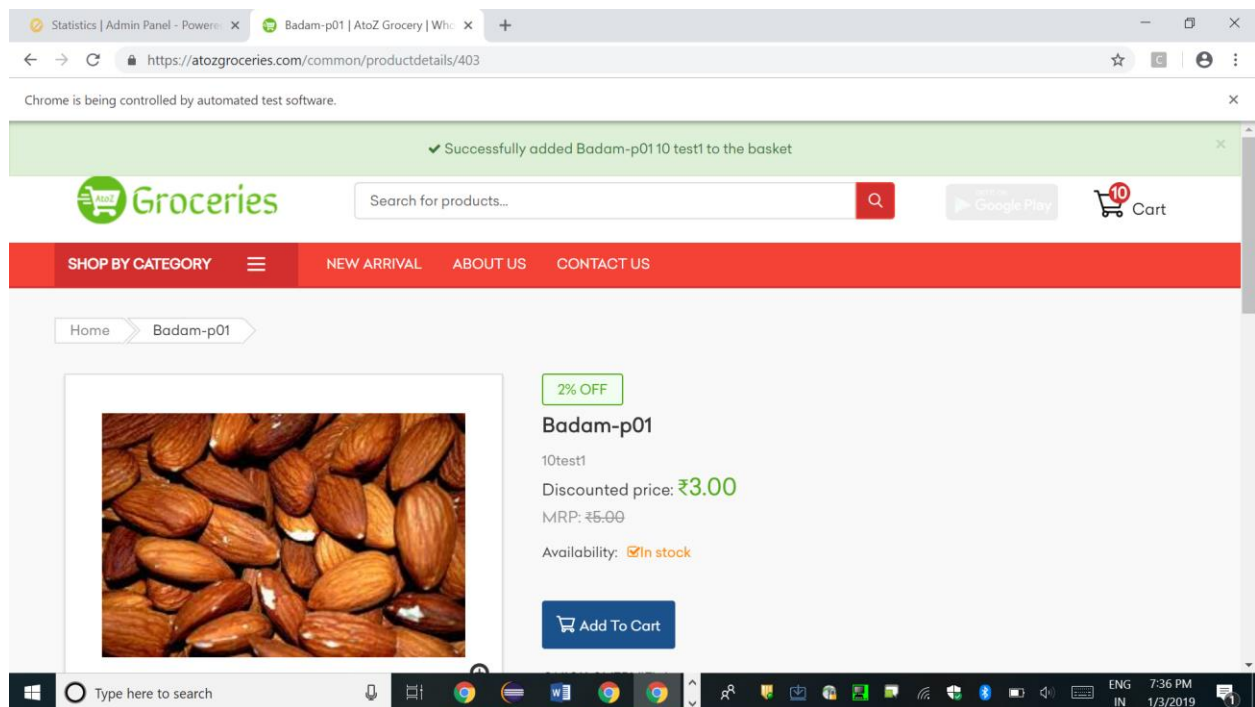
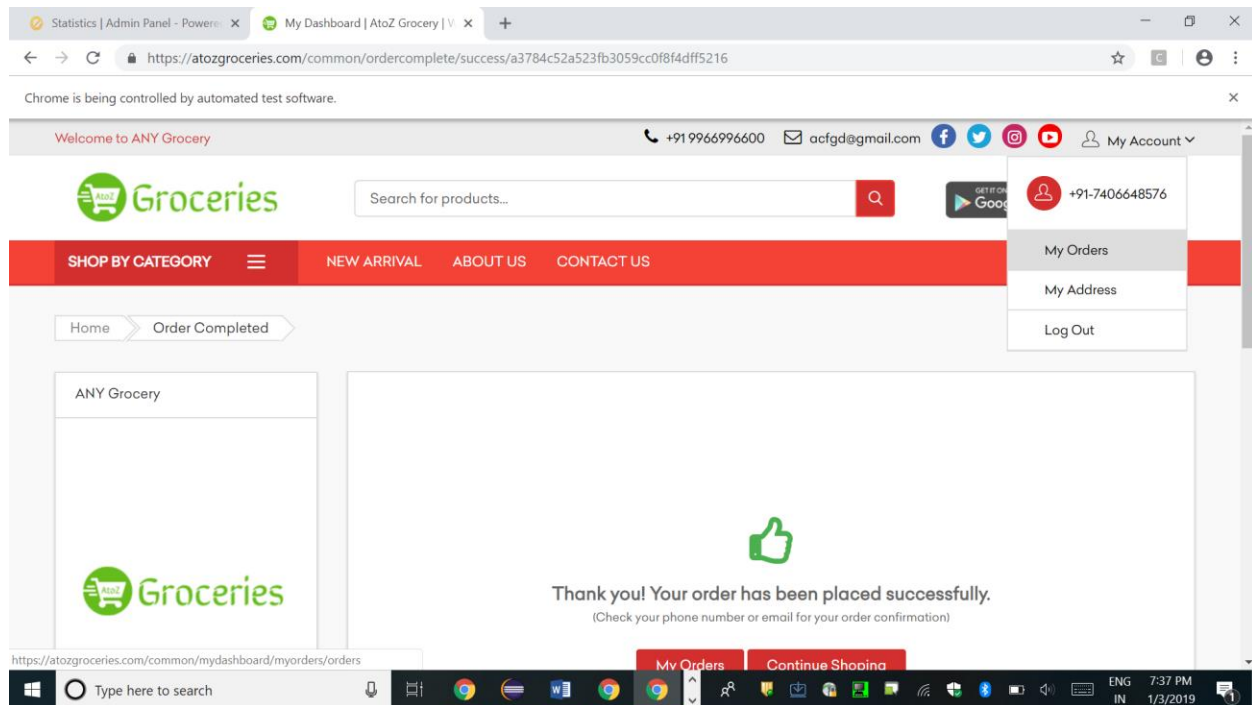*Product been checked out from cart
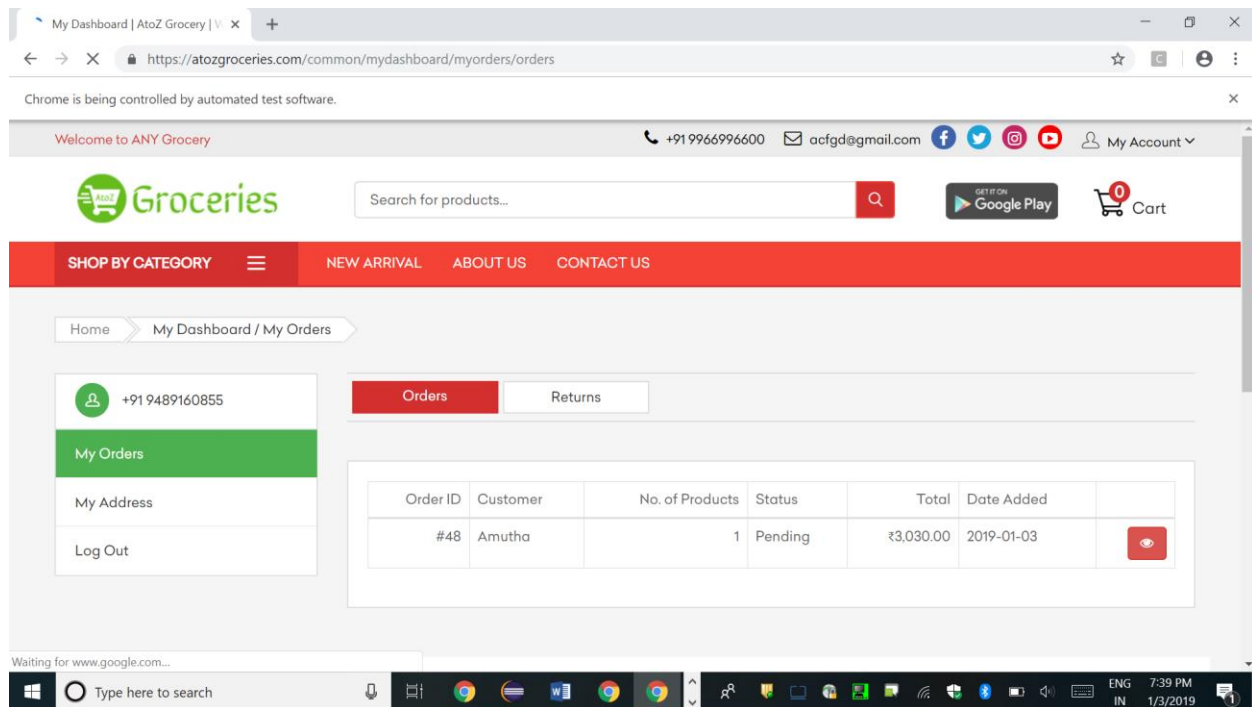

*Cash by COD and check box is clicked

*Order is successfully placed

*'My order' in 'My Account' is clicked

*Product Checked out In user portal

*'Total Sales' Value after product checked out

*Eclipse Output:

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access

Problems Javadoc Declaration Console Results of running class BaseTest Coverage

<terminated> BaseTest [TestNG] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Jan 3, 2019, 7:38:30 PM)

```
[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 5832
Only local connections are allowed.
Jan 03, 2019 7:38:36 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
The total sales value before adding a product to cart is:32318
The product added message:Successfully added Badam-p01 10 test1 to the basket
The order id is :48
The order added :48
The total sales value before adding a product to cart is:32348
The Total Sale value has increased
PASSED: ReportStatistics

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


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

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ENG
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7:39 PM
1/3/2019