2.1 TC012

Sign Up and Fill address	1. Sign up on User page (https://atozgroceries.com/) 2. Goto My Account 3. Goto My Address 4. Click on Update the details without populating mandatory fields 4. Fill the Address Details 5. Update the details 6. Goto My Account and validate the address	. 1. Validate the error message 2. Validate the success message 3. Verify the presence of updated address on the database 4. Validate the presence of update address on the user page

2.2 Coding

AdminPage

```
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.How;

import org.openqa.selenium.support.PageFactory;

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




public class AdminPage {

	@FindBy(how=How.NAME,using="email")WebElement emailEle;

	@FindBy(how=How.NAME,using="pword")WebElement passEle;

	@FindBy(how=How.XPATH,using="//button[@class='btn btn-labeled btn-info m-b-5']")WebElement
loginEle;

	WebDriverWait wait;

	WebDriver driver;


	public AdminPage(WebDriver driver,WebDriverWait wait) {

		PageFactory.initElements(driver, this);
```

```
        this.driver=driver;
        this.wait=wait;
    }
    public AdminPage enterEmailAddress(String uname)
    {
        emailEle.sendKeys(uname);
        return this;
    }

    public AdminPage enterPassword(String pwd)
    {
        passEle.sendKeys(pwd);
        return this;
    }

    public void clickOnLogin()
    {
        loginEle.click();

    }

}
```

UserPortalSignupPage

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

public class UserPortalSignUpPage {
}

WebDriverWait wait;
WebDriver driver;

@FindBy(how=How.XPATH,using="//input[@id='name']")WebElement fullname;
@FindBy(how=How.XPATH,using="//input[@id='pnum']")WebElement PhNum;
@FindBy(how=How.XPATH,using="//input[@id='password']")WebElement pwd;
@FindBy(how=How.XPATH,using="//input[@id='cpassword']")WebElement cpwd;
@FindBy(how=How.XPATH,using="//input[@id='tccheckbox']")WebElement tandc;
@FindBy(how=How.XPATH,using="//button[@id='mem_signup']")WebElement signupButton;

public UserPortalSignUpPage(WebDriver driver,WebDriverWait wait) {
        PageFactory.initElements(driver, this);
        this.driver=driver;
        this.wait=wait;
}
public void sendDataFullName(String data)
{
        fullname.sendKeys(data);
}
public void sendDataPhNum(String data)
{
        PhNum.sendKeys(data);
}
public void sendDataPassword(String data)
{
        pwd.sendKeys(data);
}
public void sendDataConfirmPassword(String data)
{
        cpwd.sendKeys(data);
}
public void clickTermsandConditions()
```

```
    {
        tandc.click();
    }
    public void clickSignupButton()
    {
        signupButton.click();
    }
    public void clickAlert()
    {
        driver.switchTo().alert().accept();
    }
}
```

UserPortalPage

```
package com.ibm.pages;

import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.How;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.WebDriverWait;

public class UserPortalPage {

    WebDriverWait wait;
    WebDriver driver;

    @FindBy(how=How.XPATH,using="//a[@onclick='myAccount()']")WebElement myAcc;
    @FindBy(how=How.XPATH,using="//a[text()='My Address']")WebElement myAddress;
    @FindBy(how=How.XPATH,using="//button[@class='button button-check-out']")WebElement update;
    @FindBy(how=How.XPATH,using="//input[@id='email']")WebElement emailAddress;
    @FindBy(how=How.ID,using="address")WebElement address;
    @FindBy(how=How.ID,using="city")WebElement city;
    @FindBy(how=How.ID,using="pincode")WebElement pincode;
    @FindBy(how=How.XPATH,using="(//*[@class='alert alert-success alert-dismissible'])[2]")WebElement successMsg;


    public String msg;
    public String attributeValue;

    public UserPortalPage(WebDriver driver,WebDriverWait wait) {
        PageFactory.initElements(driver, this);
        this.driver=driver;
        this.wait=wait;
    }
    public void clickMyAccount()
    {
        myAcc.click();
    }
    public void clickMyAddress()
    {
        myAddress.click();
    }
    public void clickUpdate()
    {
        update.click();
    }
    public String getValidationForEmailAddress()
    {
        String tooltipmessage= "return 
document.getElementsByName('email')[0].validationMessage";
        return ((JavascriptExecutor) 
driver).executeScript(tooltipmessage).toString();
    }
    public void sendEmailAddress(String data)
    {
        emailAddress.sendKeys(data);
    }
    public void sendAddress(String data)
    {
        address.sendKeys(data);
    }
    public void sendCity(String data)
    {
        city.sendKeys(data);
    }
    public void sendPincode(String data)
    {
        pincode.sendKeys(data);
    }
 public void validateSuccessMsg()
 {
    msg = successMsg.getText();
    System.out.println(msg);

 }
 public void getAttrName()
 {
     attributeValue = emailAddress.getAttribute("value");
     System.out.println("Attribute values is :"+attributeValue);
 }

}
```

DBClass

```
package com.ibm.utilities;

import java.sql.SQLException;

public class DBClass extends DB {
	public String query;
	public int count;
	public String pushNotificationQuery;
	public String shippingPincodeQuery;
	public String myAccQuery;
	public void TC009() throws SQLException
	{
		query = DBClass.singleDataQuery("SELECT * FROM as_customer WHERE name=\"PavithraTSB\"");
		System.out.println(query);
	}
	public void TC10PushNotificationCount() throws SQLException
	{
	  count = DBClass.countQuery("SELECT COUNT(notification_id) FROM as_pushnotification");
	  System.out.println(count);
	}
	public void TC10PushNotificationRecordValidation() throws SQLException
	{
		pushNotificationQuery=DBClass.singleDataQuery("SELECT MESSAGE from as_pushnotification WHERE name=\"Test_Pavithra\"");
		System.out.println(pushNotificationQuery);
	}
	public void tc011ShippingPincodeRecordValidation() throws SQLException
	{
		shippingPincodeQuery = DBClass.singleDataQuery("SELECT * FROM `as_shipping_pincode` WHERE pincode=\"7638932\"");
		System.out.println(shippingPincodeQuery);
	}
	public void tc012MyAccRecordValidation() throws SQLException
	{
		myAccQuery = DBClass.singleDataQuery("SELECT * FROM `as_customer` WHERE address=\"Porur\"");
		System.out.println(myAccQuery);
	}
}
```

Data.Properties

```
url=https://atozgroceries.com/admin
uname=demo@atozgroceries.com
pwd=456789
bannerName=Pavithra
producttitle=Products | Admin Panel - Powered By A&S
nName=easyordering
pushnotificationPageTitle=Push Notification | Admin Panel - Powered By A&S
returnStatusName=Return Status Name
weightClassText= Edit Weight Class
toolTipMessage=Please fill out this field.
userurl=https://atozgroceries.com/
searchProduct=Bislery Water
signUpFullName=PavithraTSB
signUpPhNum=9362673443
password=Pavithra@1234
confirmPassword=Pavithra@1234
pushNotificationName=Test_Pavithra
pushNotificaionMessage=Hi new record added
```

```
pincodeNumber=7638932
EmailAddress=pavithra@gmail.com
Address=Porur
City=Gurgaon
pincode=538378
```

TC012

```
package com.ibm.test;

import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.Assert;
import org.testng.Reporter;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.Test;

import com.ibm.pages.UserPortalLoginPage;
import com.ibm.pages.UserPortalPage;
import com.ibm.pages.UserPortalSignUpPage;
import com.ibm.utilities.DBClass;
import com.ibm.utilities.PropertiesFileHandler;

public class TC012 {
	WebDriver driver;
	WebDriverWait wait;
	PropertiesFileHandler propFileHandler;
	HashMap<String, String> data;

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

	@BeforeMethod
	public void Initialization() {
		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);

	}

	/*@AfterMethod
	public void closeBrowser() {
		driver.quit();
```

```
    }*/

    @Test(testName = "ShippingCodeValidation")
    public void testCase12() throws IOException, InterruptedException, 
SQLException
    {
        String userUrl=data.get("userurl");
        driver.get(userUrl);

        String expectedSuccessfullMsg="You have successfully updated address 
details";
        String fullName=data.get("signUpFullName");
        String PhNumber=data.get("signUpPhNum");
        String pword=data.get("password");
        String cPword=data.get("confirmPassword");
        String emailaddress=data.get("EmailAddress");
        String address=data.get("Address");
        String city=data.get("City");
        String pincodeNum=data.get("pincode");
        String tooltip = data.get("toolTipMessage");

        //Click Signup
        UserPortalLoginPage uplp=new UserPortalLoginPage(driver, wait);
        uplp.clickSignup();

        //Signupvalues
        UserPortalSignUpPage upsp=new UserPortalSignUpPage(driver, wait);
        upsp.sendDataFullName(fullName);
        upsp.sendDataPhNum(PhNumber);
        upsp.sendDataPassword(pword);
        upsp.sendDataConfirmPassword(cPword);
        upsp.clickTermsandConditions();
        try {
            upsp.clickSignupButton();
            System.out.println("Signup Successfully");
        } catch (Exception e) {

            System.out.println("Not Successfull");
        }
        Thread.sleep(3000);
        upsp.clickAlert();

        UserPortalPage upp=new UserPortalPage(driver, wait);
        upp.clickMyAccount();
        upp.clickMyAddress();
        upp.clickUpdate();

        //validating error message
        String tooltipValidationForEmailAddress = 
upp.getValidationForEmailAddress();
        System.out.println("Tooltip message is: "
+tooltipValidationForEmailAddress);

    Assert.assertTrue(tooltipValidationForEmailAddress.contains(tooltip), 
"Assertion on required field Message");
        Reporter.log("Verified the tooltip Message");

        upp.sendEmailAddress(emailaddress);
        upp.sendAddress(address);
        upp.sendCity(city);
        upp.sendPincode(pincodeNum);
        upp.clickUpdate();
        upp.validateSuccessMsg();

        //Validating success msg

    Assert.assertTrue(upp.msg.contains(expectedSuccessfullMsg),"Assertion on 
required field Message");
        Reporter.log("Verified Successfull Message");

        upp.clickMyAccount();
        upp.clickMyAddress();
        upp.getAttrName();

        //Validating presence of Address on the Userpage
        Assert.assertEquals(upp.attributeValue,emailaddress);
        Reporter.log("Verified Presence of Address on the Userpage");

        //Validating presence of record in DB
        DBClass dbc=new DBClass();
        System.out.print("Retreiving the email to ensure that record has 
been added,email is:");
        dbc.tc012MyAccRecordValidation();
        Assert.assertEquals(dbc.myAccQuery,emailaddress);
        Reporter.log("New Record is added in DB");
    }

}
```

TestNg.xml

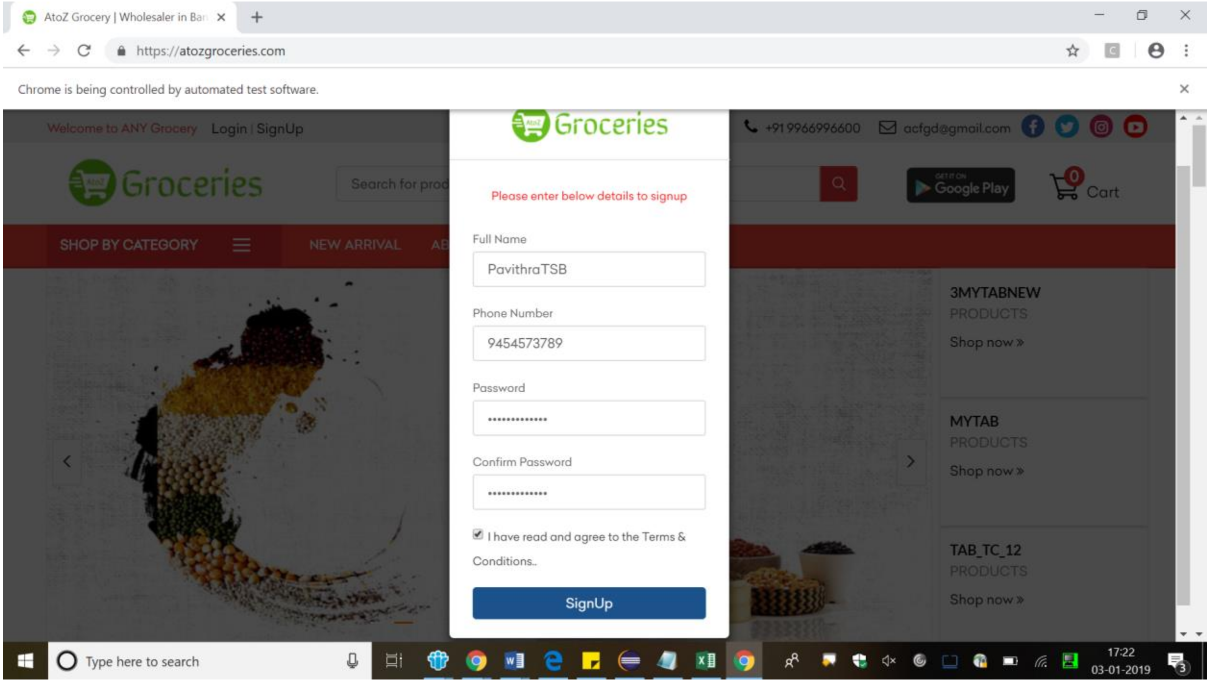
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite">
  <test thread-count="5" name="Test">
    <classes>
      <!-- <class name="com.ibm.test.BaseTest"/> -->
      <!-- <class name="com.ibm.test.TC001"/> -->
      <!-- <class name="com.ibm.test.TC002"/> -->
     <!--  <class name="com.ibm.test.TC003"/> -->
      <class name="com.ibm.test.TC012"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

2.3 Explanation

1. Created a AdminPage, UserPortalSignUpPage,UserPortalPage, DBClass using Page object model where implemented Page factory concept as well.
2. AdminLoginPage implemented the methods like uname ,pwd and login
3. UserPortalSignUpPage implemented adding a new record. UserPortalPage adding new record and validating it.
4. Created DBClassPage to check the user has added in the DB ,
5. Asserting the value to ensure that is added successfully.
6. Values are sending from data.properties file using hashmap concept key and value pair.

7. Creating object for all the pages and calling all the methods in TC012.java file where implementing @Test.
8. Converting the project into testng.xml to execute all the codes at one run.

2.4 Output


AtoZ Grocery | Wholesaler in Ban
https://atozgroceries.com
Welcome to ANY Grocery Login | SignUp
Groceries
SHOP BY CATEGORY
NEW ARRIVAL
+91 9966996600
acfgd@gmail.com
Google Play
Cart
3MYTABNEW PRODUCTS Shop now »
MYTAB PRODUCTS Shop now »
TAB_TC_12 PRODUCTS Shop now »
Type here to search
17:22
03-01-2019

Chrome is being controlled by automated test software.

Please enter below details to signup

Full Name: PavithraTSB

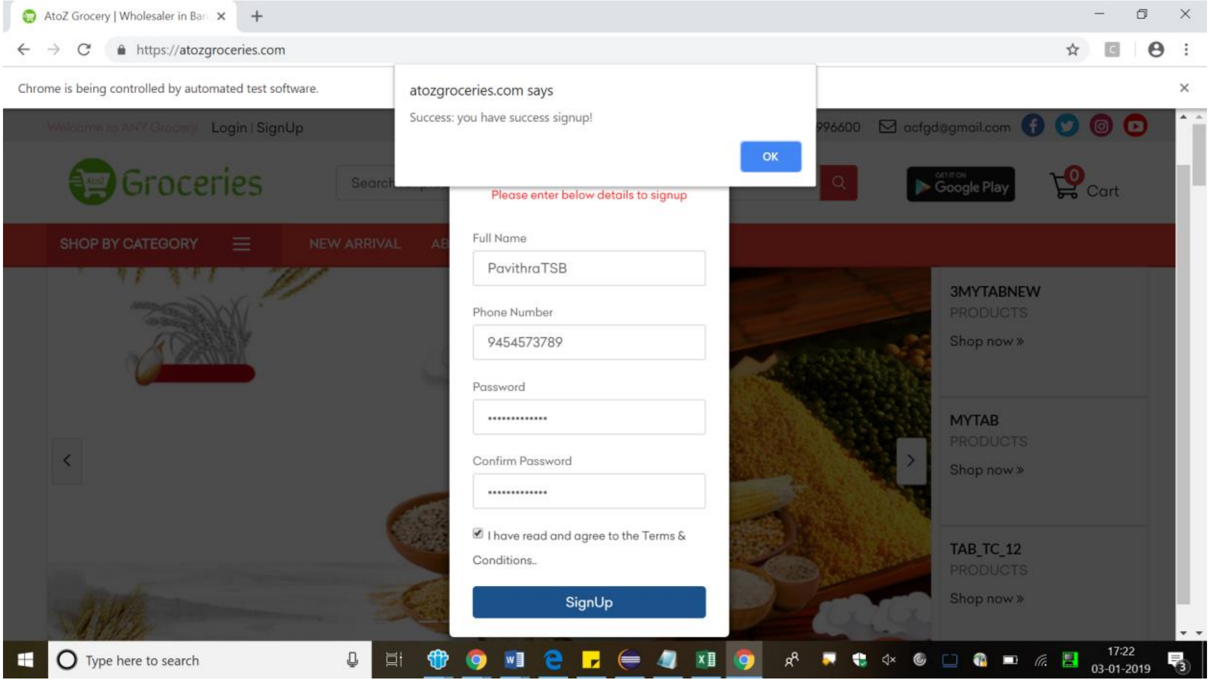
Phone Number: 9454573789

Password: •••••••••••••

Confirm Password: •••••••••••••

☑ I have read and agree to the Terms & Conditions.

SignUp


AtoZ Grocery | Wholesaler in Ban
https://atozgroceries.com
Welcome to ANY Grocery Login | SignUp
Groceries
SHOP BY CATEGORY
NEW ARRIVAL
acfgd@gmail.com
Google Play
Cart
3MYTABNEW PRODUCTS Shop now »
MYTAB PRODUCTS Shop now »
TAB_TC_12 PRODUCTS Shop now »
Type here to search
17:22
03-01-2019

Chrome is being controlled by automated test software.

atozgroceries.com says

Success: you have success signup!

OK

Please enter below details to signup

Full Name: PavithraTSB

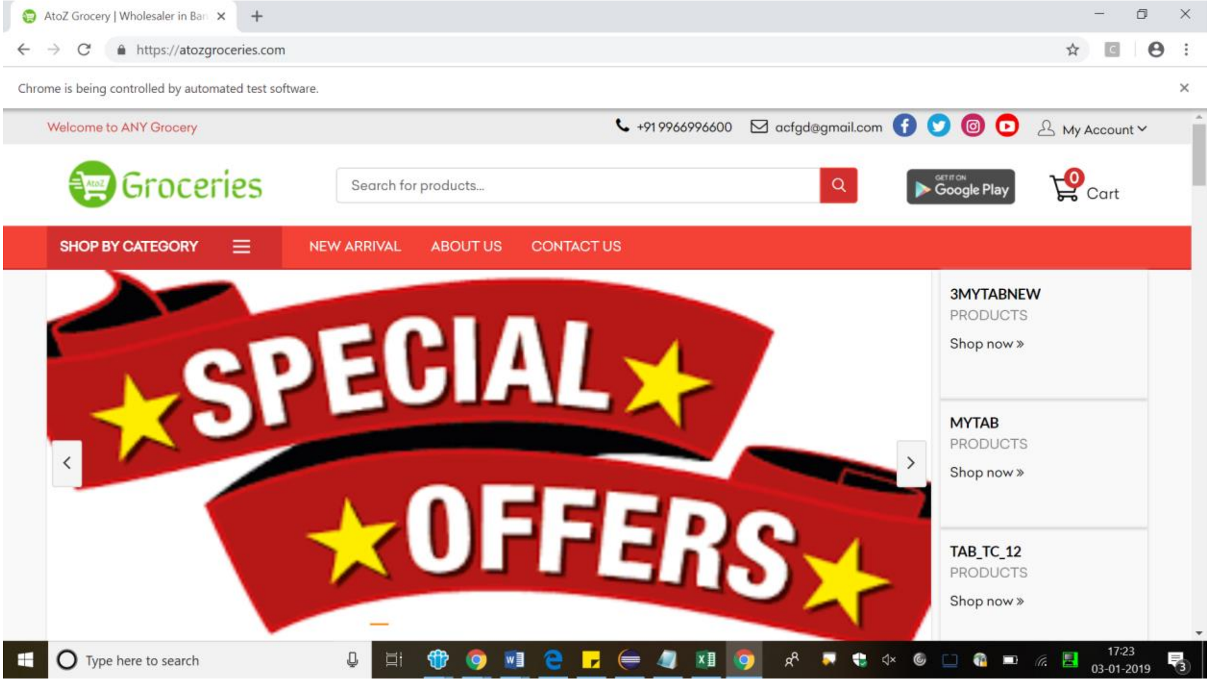
Phone Number: 9454573789

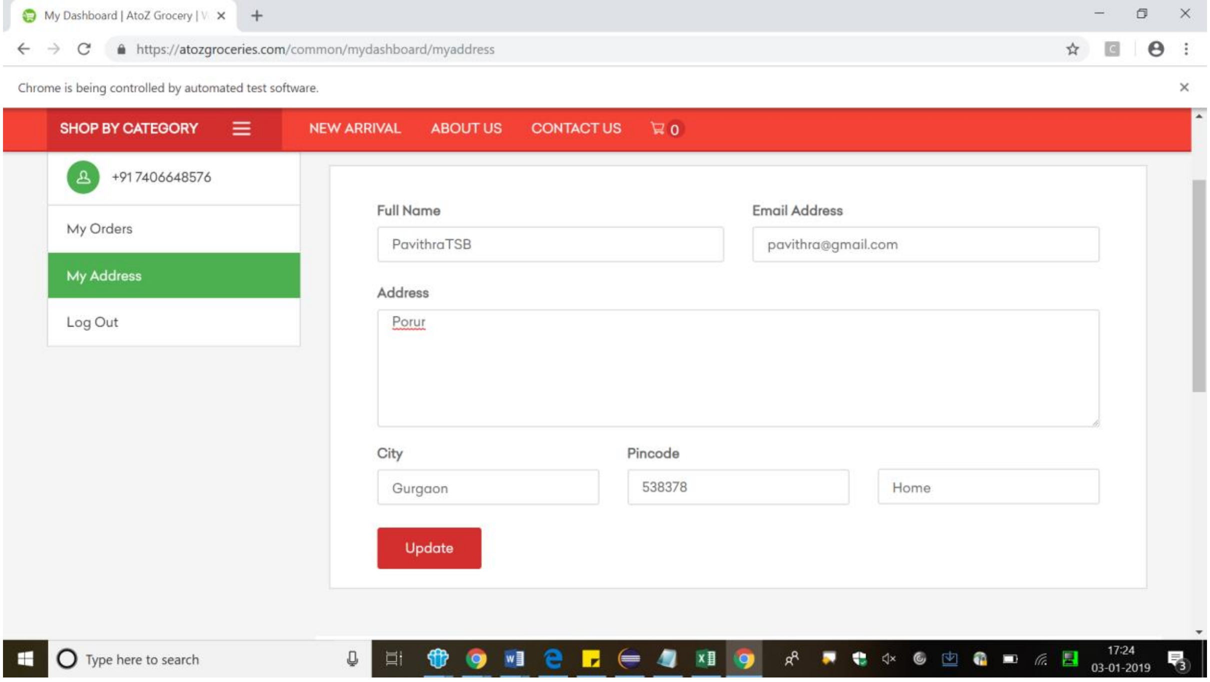
Password: •••••••••••••

Confirm Password: •••••••••••••

☑ I have read and agree to the Terms & Conditions.

SignUp




My Dashboard | AtoZ Grocery | V
https://atozgroceries.com/common/mydashboard/myaddress
Chrome is being controlled by automated test software.
SHOP BY CATEGORY
NEW ARRIVAL
ABOUT US
CONTACT US
0
+91 7406648576
My Orders
My Address
Log Out
Update
Type here to search
17:24
03-01-2019

Full Name: PavithraTSB

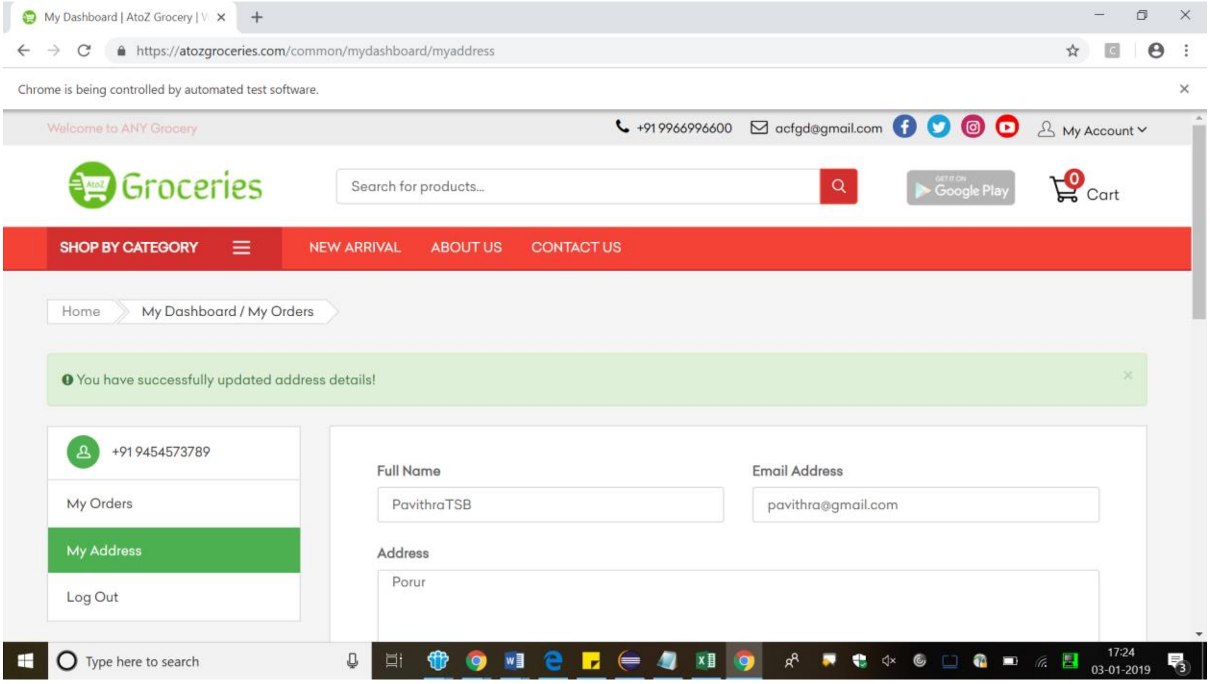
Email Address: pavithra@gmail.com

Address: Porur

City: Gurgaon

Pincode: 538378

Home



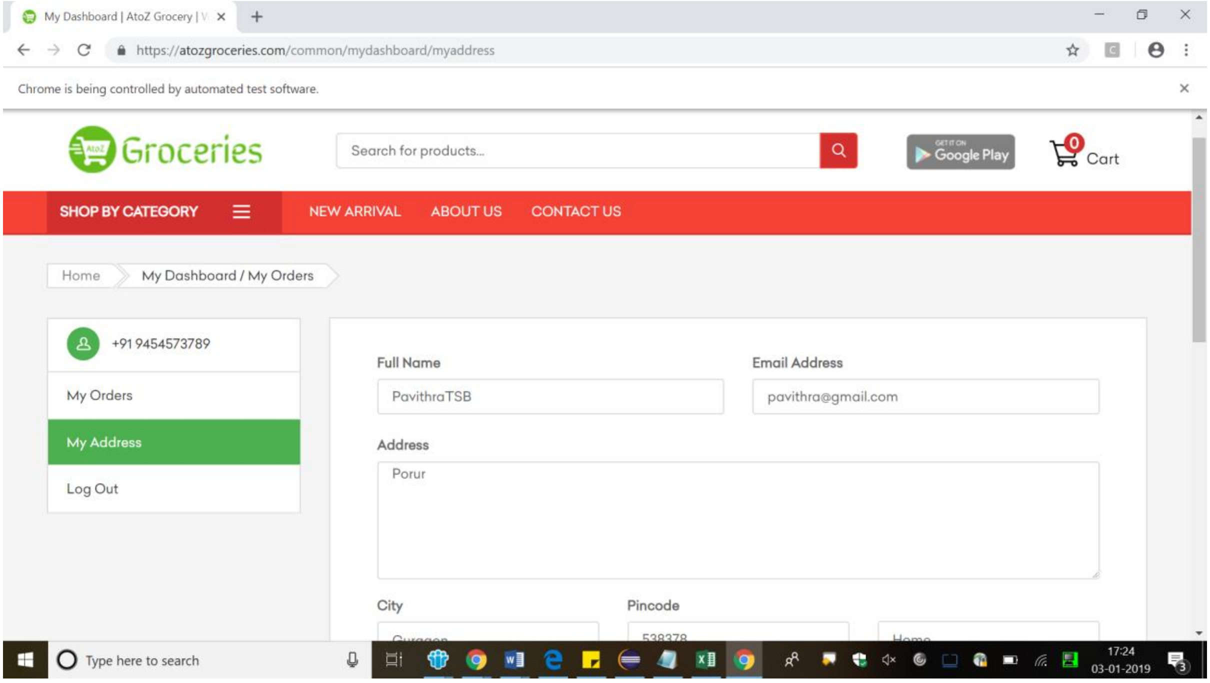
Chrome is being controlled by automated test software.

You have successfully updated address details!

Full Name: PavithraTSB

Email Address: pavithra@gmail.com

Address: Porur



Chrome is being controlled by automated test software.

Full Name: PavithraTSB

Email Address: pavithra@gmail.com

Address: Porur

City: Gurgaon

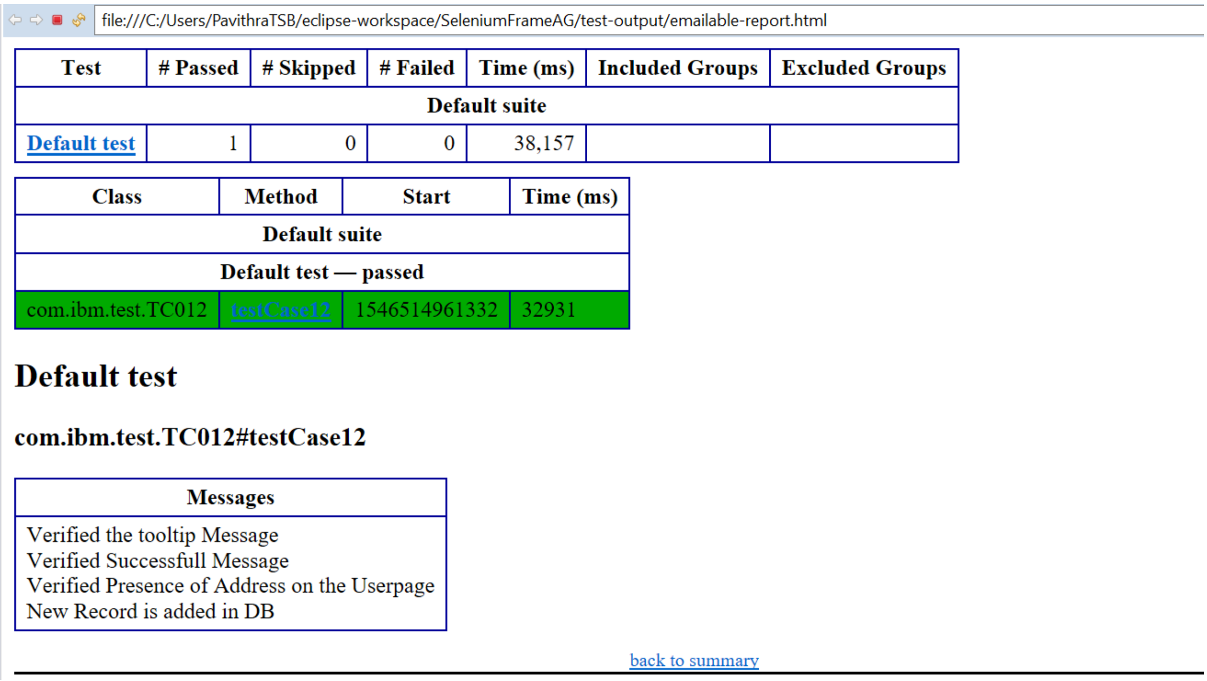
Pincode: 538378

Home

```
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on
port 16253
Only local connections are allowed.
Jan 03, 2019 5:13:59 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Signup Successfully
Tooltip message is: Please fill out this field.
You have successfully updated address details!
×
Attribute values is :pavithra@gmail.com
Retreiving the email to ensure that record has been added,email
is:pavithra@gmail.com
PASSED: testCase12
```

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


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



file:///C:/Users/PavithraTSB/eclipse-workspace/SeleniumFrameAG/test-output/emailable-report.html

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite						
Default test	1	0	0	38,157		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.TC012	testCase12	1546514961332	32931

Default test

com.ibm.test.TC012#testCase12

Messages
Verified the tooltip Message Verified Successfull Message Verified Presence of Address on the Userpage New Record is added in DB

back to summary