

2.1 TC009

Process	Steps To Execute	Expected Results
Sign up in User page	1. Sign up on User page (https://atozgroceries.com/) 2. Check whether the sign up details added to database	Verify the presence of added customer details on the database

2.2 Coding

UserPortalLoginPage

```
package com.ibm.pages;

import java.util.List;

import org.openqa.selenium.By;
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 UserPortalLoginPage {

    WebDriverWait wait;
    WebDriver driver;

    @FindBy(how=How.XPATH,using="//span[@class='input-group-addon']")WebElement searchIcon;

    @FindBy(how=How.XPATH,using="//span[@class='click-categories flaticon-bars']][2]")WebElement categoryList;

    @FindBy(how=How.XPATH,using="//input[@type='text']][2]")WebElement searchProducts;

    @FindBy(how=How.XPATH,using="//span[text()='Bislery Water']")WebElement searchResult;
```

```

        @FindBy(how=How.XPATH,using="//*[@id='mm-0']/div[5]/div/div[2]/div/div/div[2]/div/p[1]/span") WebElement pricetext;

        @FindBy(how=How.XPATH,using="//a[@class='register']")WebElement signup;
        @FindBy(how=How.XPATH,using="//input[@id='name']")WebElement fullname;

        public UserPortalLoginPage(WebDriver driver,WebDriverWait wait) {

            PageFactory.initElements(driver, this);

            this.driver=driver;

            this.wait=wait;

        }

        public void clickSearchIcon()

        {

            searchIcon.click();

        }

        public void shopByCategory() throws InterruptedException

        {

            categoryList.click();

        }

        public void searchproduct(String product)

        {

            searchProducts.sendKeys(product);

        }

        public void clickOnSearchResults()

        {

            searchResult.click();

        }

        public float expected_value;

        public void price_value()

```

```

    {
        String pc=      pricetext.getText().replace("₹", "");

        float value=Float.parseFloat(pc);

        expected_value=Math.round(value);
        System.out.println("expected_value :" + expected_value);

    }

    public void clickSignup()
    {
        signup.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();

        }

    }

```

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=9944937157
password=Pavithra@1234
confirmPassword=Pavithra@1234

```

Db.Java

```

package com.ibm.utilities;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

public class DB {

    public String name;
    public void dbtest() throws SQLException
    {

        Connection c =
        DriverManager.getConnection("jdbc:mysql://foodsonfinger.com:3306/foodsonfinger_ato
zgroceries",
"foodsonfinger_atoz","welcome@123");
        Statement s = c.createStatement();
        ResultSet rs = s.executeQuery("SELECT * FROM as_customer WHERE
name=\"PavithraTSB\"");
        while(rs.next())
        {
            System.out.print(rs.getInt("customer_id"));
            name=rs.getString("name");

```

```

System.out.print("\t"+name);
System.out.println("\t"+rs.getString("pword"));
}

```

```

}

```

```

}

```

TC009

```

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.UserPortalSignUpPage;
import com.ibm.utilities.DB;
import com.ibm.utilities.PropertiesFileHandler;

```

```

public class TC009 {
    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 = "SignupDataBaseValidation")
    public void testCase9() throws IOException, InterruptedException,
    SQLException
    {
        String userUrl=data.get("userurl");
        driver.get(userUrl);

        String fullName=data.get("signUpFullName");
        String PhNumber=data.get("signUpPhNum");
        String pword=data.get("password");
        String cPword=data.get("confirmPassword");

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

        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");
        }

        DB db=new DB();
        db.dbtest();
        Assert.assertEquals(fullName, db.name);
        Reporter.log("New user added in DB");
    }
}

```

TestNg.xml

```

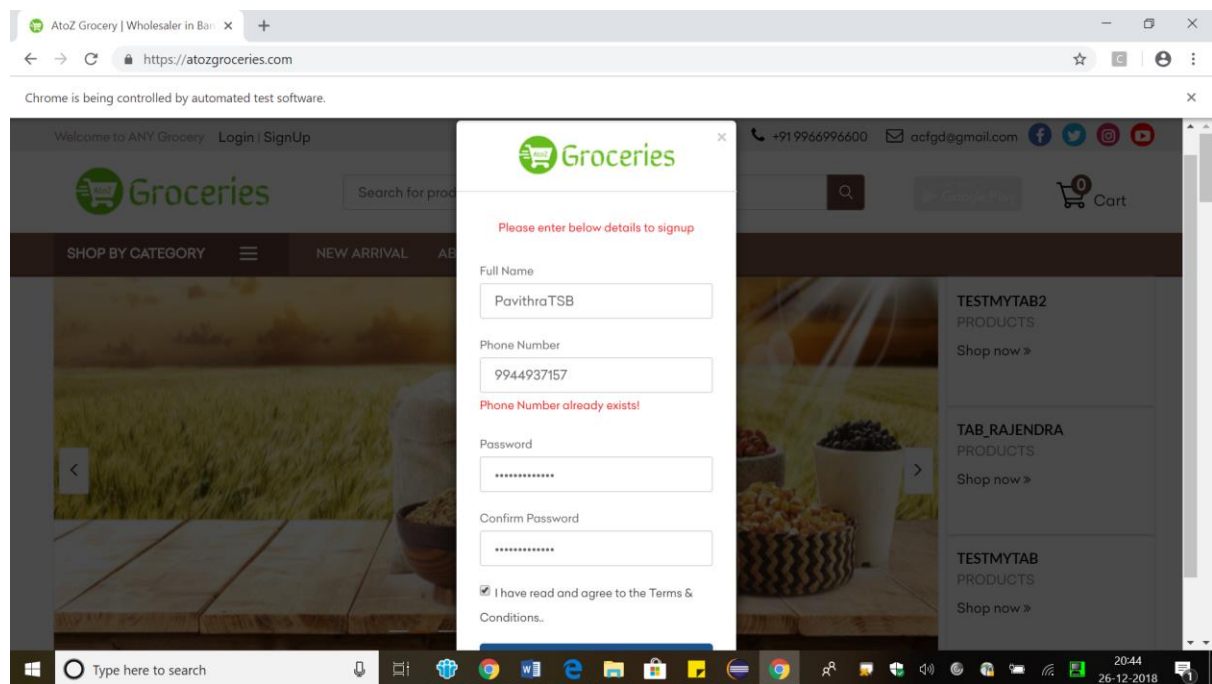
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite">
    <test thread-count="5" name="Test">
        <classes>
            <!-- <class name="com.ibm.test.BaseTest"/> -->
            <!-- <class name="com.ibm.test.TC001"/> -->
            <!-- <class name="com.ibm.test.TC002"/> -->
            <!-- <class name="com.ibm.test.TC003"/> -->
            <class name="com.ibm.test.TC009"/>
        </classes>
    </test> <!-- Test -->
</suite> <!-- Suite -->

```

2.3 Explanation

- 1.Created a UserPortalLoginPage,UserPortalSignUpPage ,DBPage using Page object model where implemented Page factory concept as well.
- 2.UserPortalLoginPage has clicking on signup
- 3.UserPortalSignUpPage sending values to fullname,ph num,pwd and confirmpwd and signup successfully.
- 4.Created DBPage 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 TC009.java file where implementing @Test.
- 8.Converting the project into testng.xml to execute all the codes at one run.

2.4 Output



```
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on
port 3376
Only local connections are allowed.
Dec 26, 2018 8:44:42 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Signup Successfully
134 PavithraTSB 25a9a2a4c7acdfd6b7c0c6e99608452f
```

```
=====
Suite
Total tests run: 1, Failures: 0, Skips: 0
=====
```


Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite						
Default test	1	0	0	35,402		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.TC009	testCase9	1545835785341	31191

Default test

com.ibm.test.TC009#testCase9

Messages
New user added in DB

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