

2.1 TC011

Add shipping pin code	<ol style="list-style-type: none">1. Navigate onto admin panel -> System -> Shipping -> Shipping Pincode2. Click on Save without populating any information3. Populate the other mandatory fields	<ol style="list-style-type: none">1. Validate the presence of Shipping Pincode header2. Validate the error message3.1. Validate the success message3.2. Validate the presence of record in the admin panel table3.3 Validate the presence of record in the DB table
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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();
    }

}

```

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

```

```

public class SystemPage {

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][17]")WebElement system;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][26]")WebElement returns;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][27]")WebElement
returnsStatuses;

    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][25]")WebElement
weightClass;

    WebDriverWait wait;

    WebDriver driver;

    public SystemPage(WebDriver driver,WebDriverWait wait) {

        PageFactory.initElements(driver, this);

        this.driver=driver;

        this.wait=wait;

    }

    public void clickSystem()

    {

        system.click();

    }

    public void clickWeightClass()

    {

        weightClass.click();

    }

    public void clickReturns()

    {

        returns.click();

    }

    public void clickReturnStatuses()

```

```

{
    returnsStatuses.click();
}

}

```

ShippingPincode

```

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 ShippingPincodePage {
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']")[20])WebElement shipping;
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']")[23])WebElement shippingPincode;
    @FindBy(how=How.XPATH,using="//a[@class='btn btn-primary']")WebElement addNewShipping;
    @FindBy(how=How.XPATH,using="//*[text()='Shipping Pincode']")WebElement headerShippingPincode;
    @FindBy(how=How.XPATH,using="//button[@class='btn btn-primary']")WebElement save;
    @FindBy(how=How.XPATH,using="//input[@name='pincode']")WebElement pincode;
    @FindBy(how=How.XPATH,using="//*[@class='alert alert-success alert-dismissible']")WebElement successMsg;
    @FindBy(how=How.XPATH,using="//input[@class='form-control input-sm']")WebElement search;
    @FindBy(how=How.XPATH,using="//table[@id='dataTableExample2']/tbody/tr/td[2]")WebElement table;

    WebDriverWait wait;
    WebDriver driver;
    JavascriptExecutor js;
    public String headerShipping;
    public String text;
    public String textFromTable;

    public ShippingPincodePage(WebDriver driver,WebDriverWait wait) {
        PageFactory.initElements(driver, this);
        this.driver=driver;
        this.wait=wait;
    }
    public void clickShipping()
    {

```

```

        shipping.click();
    }
    public void clickShippingPincode()
    {
        shippingPincode.click();
    }
    public void clickAddNewShipping()
    {
        addNewShipping.click();
    }
    public void getHeaderShippingPincode()
    {
        headerShipping = headerShippingPincode.getText();
        System.out.println("Header is :"+headerShipping);
    }
    public void clickonSaveShippingPincode()
    {
        save.click();
    }
    public String tooltipValidationMsg()
    {
        String tooltipmessage= "return
document.getElementsByName('pincode')[0].validationMessage";
        return ((JavascriptExecutor)
driver).executeScript(tooltipmessage).toString();
    }
    public void sendkeysPincode(String data)
    {
        pincode.sendKeys(data);
    }
    public void validatingSuccessMsg()
    {
        text = successMsg.getText();
        System.out.println("Success Msg is :"+text);
    }
    public void sendValuetoSearch(String data)
    {
        search.sendKeys(data);
    }
    public void getTextFromTable()
    {
        textFromTable = table.getText();
        System.out.println("text =" +textFromTable);
    }
}

```

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 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);
    }
}

```

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
pushNotificationName=Test_Pavithra
pushNotificaionMessage=Hi new record added
pincodeNumber=7638932

```

TC011

```

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.AdminPage;
import com.ibm.pages.ShippingPincodePage;
import com.ibm.pages.SystemPage;
import com.ibm.utilities.DBClass;
import com.ibm.utilities.PropertiesFileHandler;

public class TC011 {
    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 testCase11() throws IOException, InterruptedException,
SQLException {

        String url = data.get("url");
        String userName = data.get("uname");
        String password = data.get("pwd");
        String tooltip = data.get("toolTipMessage");
        driver.get(url);
        String header="Shipping Pincode";
        String successfullMsg="You have successfully
added shipping pincode";

        String pincodeNum=data.get("pincodeNumber");

```

```

AdminPage admin = new AdminPage(driver, wait);
admin.enterEmailAddress(userName);
admin.enterPassword(password);
admin.clickOnLogin();

SystemPage sp=new SystemPage(driver, wait);
sp.clickSystem();

ShippingPincodePage spp=new
ShippingPincodePage(driver, wait);
Thread.sleep(3000);
spp.clickShipping();
spp.clickShippingPincode();
spp.clickAddNewShipping();

//Validating Header
spp.getHeaderShippingPincode();
Assert.assertEquals(spp.headerShipping,header);
Reporter.Log("Validated the presence of Shipping
Pincode Header");

spp.clickonSaveShippingPincode();

//Validating Errormsg
String tooltipValidationMsg =
spp.tooltipValidationMsg();
System.out.println("Tooltip message is: "
+tooltipValidationMsg);

Assert.assertTrue(tooltipValidationMsg.contains(tooltip), "Assertion on
required field Message");

Reporter.Log("Verified the tooltip Message");

spp.sendkeysPincode(pincodenum);
spp.clickonSaveShippingPincode();

//Validating successfull message
spp.validatingSuccessMsg();

Assert.assertTrue(spp.text.contains(successfullMsg),"Assertion on required
field Message");

Reporter.Log("Verified Success Message");

//Validating the presence of record in admin
panel table

spp.sendValuetoSearch(pincodenum);
spp.getTextFromTable();

Assert.assertEquals(pincodenum,spp.textFromTable);
Reporter.Log("New Record is added in the table");

//Validating the presence of record in DB
DBClass dbc=new DBClass();
System.out.print("Retreiving the message to
ensure that record has been added,pincodenum is:");
dbc.tc011ShippingPincodeRecordValidation();

Assert.assertEquals(pincodenum,dbc.shippingPincodeQuery);
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.TC011"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->

```

2.3 Explanation


- 1.Created a AdminPage, SystemPage, ShippingPincodePage,DBClass using Page object model where implemented Page factory concept as well.
2. AdminLoginPage implemented the methods like uname ,pwd and login
- 3.SystemPage implemented clicking on system.
- 4.ShippingPincodepage has click on shipping, shippingpincode, addingnewshipping,save and validation.
- 4.Created DBClassPage to check the user has added in the DB and also checking the presence of record.
- 5.Asserting the value to ensure that is added successfully. Asserting the error message, asserting success message,validating header and verify the record presence in the table.
- 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 TC010.java file where implementing @Test.
- 8.Converting the project into testng.xml to execute all the codes at one run.

2.4 Output

Shipping Pincode | Admin Panel x +

← → ↻ https://atozgroceries.com/admin/shippingpincode/tab?token=a87ff679a2f3e71d9181a67b7542122c ☆ | | |

Chrome is being controlled by automated test software.

Logout

- Dashboard
- Catalog
- Sales
- Customers
- Marketing
- System
 - Settings
 - Users
 - Shipping
 - Shipping Methods
 - Shipping Locations
 - Shipping Pincode

Shipping Pincode

+ / Home / Shipping Pincode

Shipping Pincode List

Show 10 entries Copy CSV Excel PDF Print Search:

#	Pincode	City Name	Sort Order	Status	Action
1	-88888	KOTHANUR	127	Enabled	Action
2	560008	SOMESWARPURAM	1	Enabled	Action
3	560094	RMV EXTN 2ND STAGE	1	Enabled	Action
4	560025	RICHMOND TOWN	1	Enabled	Action
5	560035	DESIDHINAGAR	1	Enabled	Action


Type here to search

22:10 01-01-2019

Shipping Pincode | Admin Panel x +

← → ↻ https://atozgroceries.com/admin/shippingpincode/new?token=eccbc87e4b5ce2fe28308fd9f2a7baf3 ☆ | | |

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 - Shipping Locations
 - Shipping Pincode

Shipping Pincode

+ / Home / Shipping Pincode

Add Shipping Pincode

* Pincode

Pincode

City

Test

Please fill out this field.

* Sort Order

1

Status

Enabled


Type here to search

22:11 01-01-2019

Shipping Pincode | Admin Panel x +

← → ↻ https://atozgroceries.com/admin/shippingpincode/new?token=ecbc87e4b5ce2fe28308fd9f2a7baf3


Chrome is being controlled by automated test software.



Dashboard
Catalog
Sales
Customers
Marketing
System

- Settings
- Users
- Shipping
 - Shipping Methods
 - Shipping Locations
 - Shipping Pincode

Shipping Pincode

 Add Shipping Pincode

***Pincode**
7638932

City
Test

***Sort Order**
1

Status
Enabled

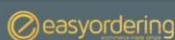
Type here to search

22:11 01-01-2019

Shipping Pincode | Admin Panel x +

← → ↻ https://atozgroceries.com/admin/shippingpincode/tab?token=cfcd208495d565ef66e7dff9f98764da


Chrome is being controlled by automated test software.




Dashboard
Catalog
Sales
Customers
Marketing
System

- Settings
- Users
- Shipping
 - Shipping Methods
 - Shipping Locations
 - Shipping Pincode

Shipping Pincode

 / Home / Shipping Pincode

Success: You have successfully added shipping pincode!

 Shipping Pincode List

Show 10 entries

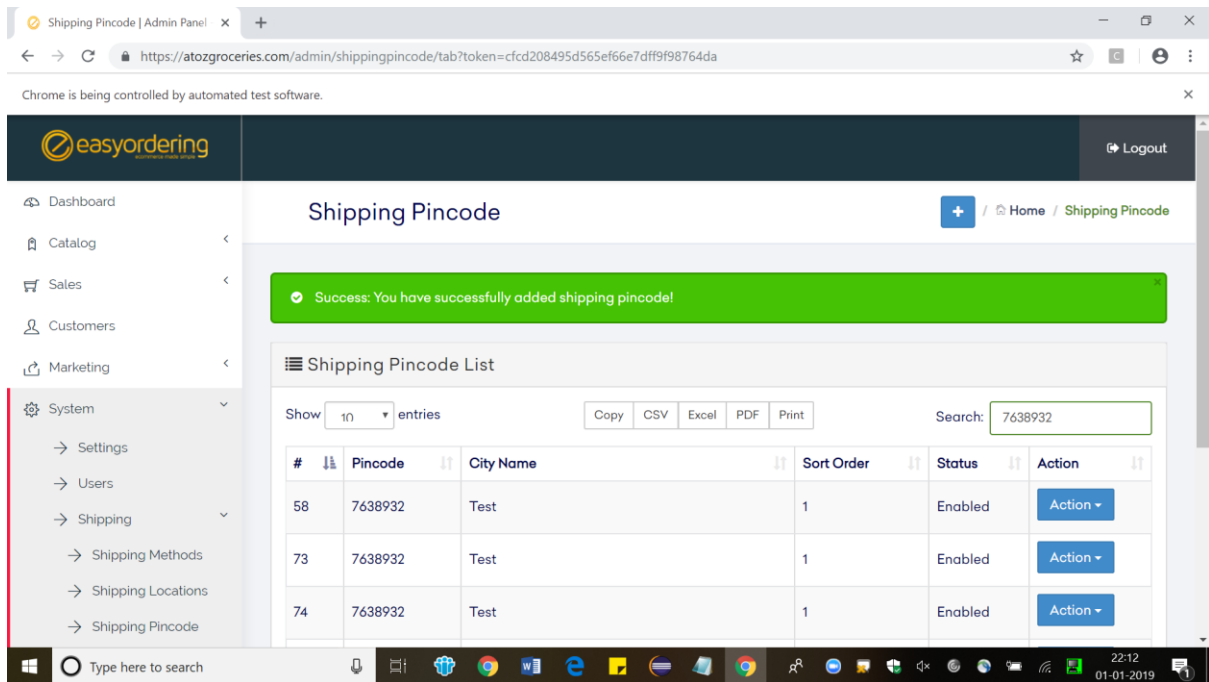
Copy CSV Excel PDF Print

Search:

#	Pincode	City Name	Sort Order	Status	Action
1	-88888	KOTHANUR	127	Enabled	Action
2	560021	SRIRAMPURAM	1	Enabled	Action
3	560094	RMV EXTN 2ND STAGE	1	Enabled	Action

Type here to search

22:11 01-01-2019



```
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on
port 32673
Only local connections are allowed.
Jan 01, 2019 7:12:41 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Header is :Shipping Pincode
Tooltip message is: Please fill out this field.
Success Msg is :Success: You have successfully added shipping pincode!
x
text =7638932
Retreiving the message to ensure that record has been added,pincodenumber
is:7638932
PASSED: testCase11
```

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

```
=====
Default 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	17,241		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
com.ibm.test.TC011	testCase11	1546350163099	13035

Default test

com.ibm.test.TC011#testCase11

Messages
Validated the presence of Shipping Pincode Header
Verified the tooltip Message
Verified Success Message
New Record is added in the table
New Record is added in DB

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