

2.1 TC006

Check Category List	1. Login to admin portal 2. Get the list of top 10 categories from admin tab. 3. Login to User Portal 4. Check the list is available on the user page	Verify the presence of top 10 categories on the user page. https://atozgroceries.com/
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2.2 Coding

Admin Page

```
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();
    }

}

```

Product Page

```

package com.ibm.pages;

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.ExpectedConditions;

```

```

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

public class UserPage
{
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][2]")WebElement catalog;
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']][4]")WebElement banner;
    @FindBy(how=How.XPATH,using="//table[@id='dataTableExample2']/tbody/tr/td[6]][1]")
WebElement table;
    @FindBy(how=How.LINK_TEXT,using="Edit")WebElement edit;
    @FindBy(how=How.XPATH,using="//select[@name='dataTableExample2_length']")WebEle
ment dropDown;

    By validation =By.xpath("//table[@id='dataTableExample2']/tbody/tr");

    WebDriverWait wait;
    WebDriver driver;

    public UserPage(WebDriver driver,WebDriverWait wait) {
        PageFactory.initElements(driver, this);
        this.driver=driver;
        this.wait=wait;
    }
    public UserPage clickCatalog()
    {
        catalog.click();
        return this;
    }
    public UserPage clickBanner()
    {
        banner.click();
        return this;
    }

```

```

    }

    public UserPage navigateToTable()
    {
        table.click();
        return this;
    }

    public EditBannerPage edit()
    {
        edit.click();
        return new EditBannerPage(driver, wait);
    }

    public void clickDropDown()
    {
        WebElement entries = dropDown;
        Select se=new Select(entries);
        se.selectByVisibleText("All");

    }

    public String getPageSrcForModifiedRow()
    {
        wait.until(ExpectedConditions.presenceOfElementLocated(validation));

        return driver.getPageSource();
    }

}

```

Categories Page

```
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 CategoriesPage {
```

```
    @FindBy(how=How.XPATH,using="//a[@class='material-ripple']")[5])WebElement  
    categories;
```

```
    WebDriverWait wait;
```

```
    WebDriver driver;
```

```
    public CategoriesPage(WebDriver driver,WebDriverWait wait) {
```

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

```
        this.driver=driver;
```

```
        this.wait=wait;
```

```
    }
```

```
    public void categories()
```

```
    {
```

```
        categories.click();
```

```
    }
```

```
}
```

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='click-categories flaticon-bars']][2]")WebElement categoryList;

    public UserPortalLoginPage(WebDriver driver,WebDriverWait wait) {

        PageFactory.initElements(driver, this);

        this.driver=driver;

        this.wait=wait;

    }

    public void shopByCategory() throws InterruptedException

    {

        categoryList.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=Product-Old

TC006

```
package com.ibm.test;
```

```
import java.io.IOException;
```

```
import java.util.ArrayList;
```

```
import java.util.HashMap;
```

```
import java.util.HashSet;
```

```
import java.util.List;
```

```
import java.util.Set;
```

```
import java.util.concurrent.TimeUnit;
```

```
import org.openqa.selenium.By;
```

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

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

```
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.AfterMethod;
```

```
import org.testng.annotations.BeforeMethod;
```

```
import org.testng.annotations.BeforeSuite;
```

```
import org.testng.annotations.Test;
```

```
import com.ibm.pages.AdminPage;
import com.ibm.pages.CategoriesPage;
import com.ibm.pages.ProductPage;
import com.ibm.pages.SystemPage;
import com.ibm.pages.SystemWeightClassPage;
import com.ibm.pages.UserPortalLoginPage;
import com.ibm.utilities.PropertiesFileHandler;
```

```
public class TC006 {
```

```
    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 = "UserPageValidation")
public void testCase6() throws IOException, InterruptedException {

    String url = data.get("url");

    String userName = data.get("uname");
    String password = data.get("pwd");

    driver.get(url);

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

    ProductPage pp = new ProductPage(driver, wait);
    pp.clickCatalog();

    CategoriesPage cp = new CategoriesPage(driver, wait);
    cp.categories();
    //cp.table();

    List<WebElement> rows =
driver.findElements(By.xpath("//table[@id='dataTableExample2']/tbody/tr"));

    int noOfRows = rows.size();

    System.out.println(noOfRows);

```

```

List<String> ls1=new ArrayList<>();
for(int i=1;i<=noOfRows;i++)
{
    WebElement categories =
driver.findElement(By.xpath("//table[@id='dataTableExample2']/tbody/tr["+i+"]/td[2]"));

    String text = categories.getText();
    ls1.add(text);
    //System.out.println(text);

}
System.out.println(ls1);

Thread.sleep(1000);

String userUrl=data.get("userurl");
driver.get(userUrl);
UserPortalLoginPage uplp=new
UserPortalLoginPage(driver,wait);

uplp.shopByCategory();

Thread.sleep(3000);

String name="";

List<String> c2=new ArrayList<>();

for(int j=1;j<=10;j++)

```

```

{

        WebElement
wb=driver.findElement(By.xpath("//*[@id='categories-menu']/ul/li/div/div/ul/li["+j+"]/a"));

        name=wb.getText();
        //System.out.println(name);
        c2.add(name);

    }
    System.out.println(c2);

//

    List<String> results= new ArrayList<>();

    for(int l=0;l<ls1.size();l++)
    {
        for(int k=0;k<c2.size();k++)
        {
            if(ls1.get(l).equals(c2.get(k)))
            {

                results.add(ls1.get(l));
            }

        }
    }

    System.out.println("List 1 matched values with list 2" +
results);

```

```

ls1.removeAll(c2);

System.out.println("List 1 not matched values with list 2 : " +
ls1);

}

}

```

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.TC006"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->

```

2.3 Explanation


1. Created a AdminLoginPage,ProductPage ,UserPortalLoginPage and CategoriesPage using Page object model where implemented Page factory concept as well.
- 2.AdminLoginPage implemented the methods like uname,pwd and login
- 3.ProductPage clicking on catalog and product tabs and navigating to the table. Getting the category list from the table
- 4.Login to userPage and getting the category list.
5. Verify the values in both 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 TC006.java file where implementing @Test.
- 8.Converting the project into testng.xml to execute all the codes at one run.
- 9.Finally attaching the result in htmlreporter.

2.4 Output

Dashboard | Admin Panel - Power... x

https://atozgroceries.com/admin/dashboard?token=d3d9446802a44259755d38e6d163e820

Chrome is being controlled by automated test software.



Logout

Dashboard

Home / Dashboard

Dashboard

Catalog

Sales

Customers

Marketing

System

Reports

4

Total Orders

View more..

₹19,799.22

Total Sales

View more..

9

Total Customers



View more..

160

Total Products

View more..


Latest Orders

#	Order ID	Customer	Status	Total	Date Added	Action
1	#10	Rajendra Sahoo	Pending	₹21,750.00	2018-12-21	
2	#6	TestNew	Pending	₹3,950.00	2018-12-20	

Category | Admin Panel - Power... x

https://atozgroceries.com/admin/category/tab?token=cfd208495d565ef66e7dff9f98764da

Chrome is being controlled by automated test software.



Logout

Categories

Home / Categories

Dashboard

Catalog

- Tabs
- Banners
- Categories
- Products
- Product Image
- Information

Sales

Customers

Marketing




System

Category List

Show 10 entries

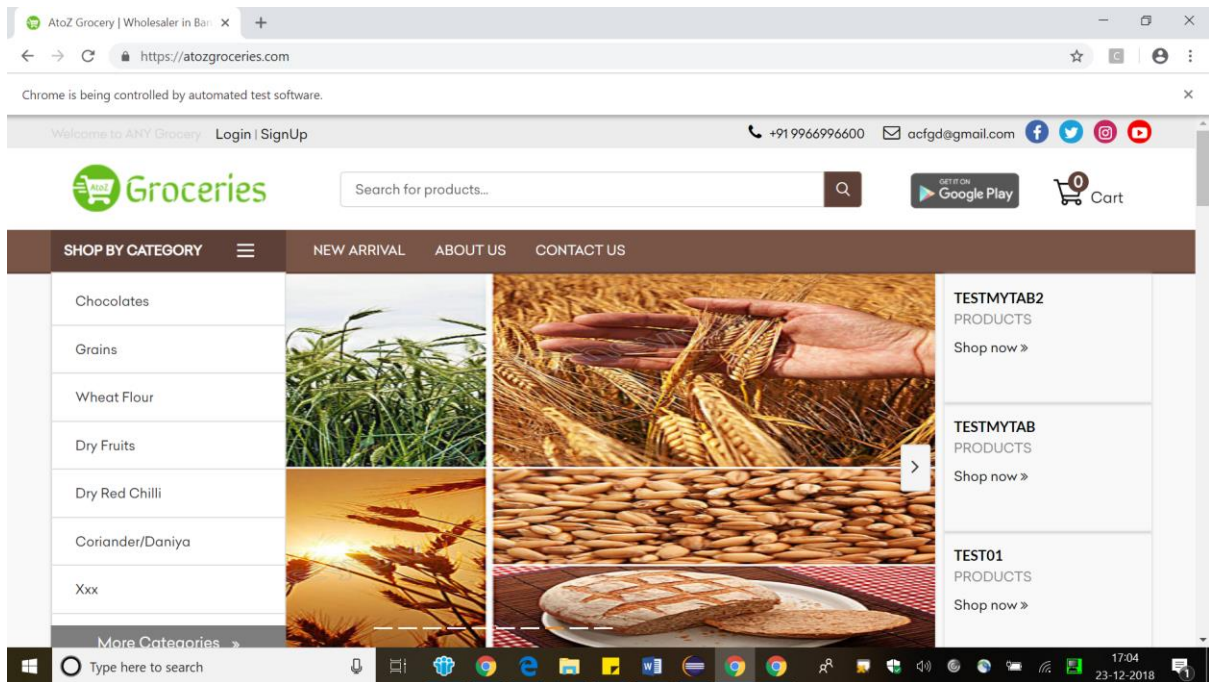
Copy CSV Excel PDF Print

Search:

#	Category Name	Image	Sort Order	Status	Action
1	Test02		0	Disabled	Action
2	CategoryTest		1	Disabled	Action
3	Pulses Items123		2	Disabled	Action

Type here to search

17:03 23-12-2018



[RemoteTestNG] detected TestNG version 6.14.2

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 33895

Only local connections are allowed.

Dec 23, 2018 4:59:28 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

10

[Test02, CategoryTest, Pulses Items123, Chocolates, Grains, Wheat Flour, Dry Fruits, Dry Red Chilli, Coriander/Daniya, xxx]

[Chocolates, Grains, Wheat Flour, Dry Fruits, Dry Red Chilli, Coriander/Daniya, Xxx, Sugar & Jaggery, ,]

List 1 matched values with list 2 [Chocolates, Grains, Wheat Flour, Dry Fruits, Dry Red Chilli, Coriander/Daniya]

List 1 not matched values with list 2 : [Test02, CategoryTest, Pulses Items123, xxx]

=====

Suite

Total tests run: 1, Failures: 0, Skips: 0

=====