

2.1 Day 1 Test Case:

Test Cases	Process	Steps To Execute	Expected Results
TC01	Edit a banner	1. Login to admin portal 2. Edit the banner details 3. Go to list all banners option under show entries	Validate the presence of the modified banner

2.2 Coding

Admin Page.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 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 UserPage clickOnLogin()
    {
        loginEle.click();
        return new UserPage(driver, wait);
    }
}

```

UserPage.java

```

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();
    }

}

```

EditBannerPage.java

```
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 EditBannerPage {

    WebDriver driver;
    WebDriverWait wait;

    @FindBy(how=How.XPATH,using="//input[@name='name']")WebElement bName;
    @FindBy(how=How.XPATH,using="//button[@type='Submit']")WebElement save;

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

    public EditBannerPage bannerName(String bannerName)
    {
        bName.clear();
        bName.sendKeys(bannerName);
        return this;
    }

    public UserPage submit()
    {
        save.click();
        return new UserPage(driver, wait);
    }

}
```

Com.ibm.test AdminLogin.java

```
package com.ibm.test;

import java.io.IOException;
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.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.EditBannerPage;
import com.ibm.pages.UserPage;
import com.ibm.utilities.PropertiesFileHandler;

public class AdminLogin {

    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(priority = 1, testName = "ValidatingModifiedRowPresence")
    public void positiveCredential() throws IOException {

        try {
            String url = data.get("url");
            String userName = data.get("uname");
            String password = data.get("pwd");
            String banName=data.get("bannerName");
            driver.get(url);
            //String banName1=data.get("bannerName");

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

```

```

        UserPage uPage = new UserPage(driver, wait);
        uPage.clickCatalog();
        uPage.clickBanner();
        uPage.navigateToTable();
        uPage.edit();

        EditBannerPage editPage=new EditBannerPage(driver, wait);
        editPage.bannerName(banName);
        editPage.submit();

        uPage.clickDropDown();
        String text =uPage.getPageSrcForModifiedRow();
        Assert.assertTrue(text.contains(banName), "Assertion on
required field Message");

        Reporter.Log("Modified element is Present");
    } catch (Exception e) {

        System.out.println(e.getMessage());
        Reporter.Log("Modified element is not Present");
        //screenshot
        //throw e;
        Assert.fail();
    }
}
}
}

```

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

```

Data.properties

```

url=https://atozgroceries.com/admin
uname=demo@atozgroceries.com
pwd=456789
bannerName=Pavithra

```

2.3 Explanation of the code

1. Created a AdminLoginPage,UserPage and EditBannerPage using Page object model where implemented Page factory concept as well.
- 2.AdminLoginPage implemented the methods like uname,pwd and login

- 3.UserPage clicking on catalog and banner tabs and navigating to the dynamic table. Navigating to the rows and clicked on edit button under the action tab.
- 4.EditBannerPage clearing the existing name using clear() method and passing the new key value and saving it.
- 5.It comes back to the UserPage and selecting "All" option from the dropdown entries using Select class.
- 6.Assert the pagesource which contains modified row.
- 7.Values are sending from data.properties file using hashmap concept key and value pair.
- 8.Creating object for all the pages and calling all the methods in AdminLogin.java file where implementing @Test.
- 9.Converting the project into testng.xml to execute all the codes at one run.
- 10.Finally attaching the result in htmlreporter.

2.4 Output

```
[RemoteTestNG] detected TestNG version 6.14.2
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on
port 40852
Only local connections are allowed.
Dec 13, 2018 9:03:49 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

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



```
AdminPage.java  UserPage.java  data.properties  EditBannerP...  AdminLogin.java  testng.xml  TestNG Report 2
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
3 <suite name="Suite">
4   <test thread-count="5" name="Test">
5     <classes>
6       <!-- <class name="com.ibm.test.BaseTest"/> -->
7       <class name="com.ibm.test.AdminLogin"/>
8     </classes>
9   </test> <!-- Test -->
10 </suite> <!-- Suite -->
```

Design Source

Results of running suite

Search: Passed: 1 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 1 (9761 ms)

All Tests Failed Tests Summary

- Suite (1/0/0/0) (4.593 s)
 - Test (4.593 s)
 - com.ibm.test.AdminLogin
 - positiveCredential (4.593 s)

Failure Exception

Problems Declaration Console Git Staging Gradle Tasks Gradle Executions Coverage

<terminated> SeleniumFramework_testng.xml [TestNG] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (13-Dec-2018, 9:03:45 AM)

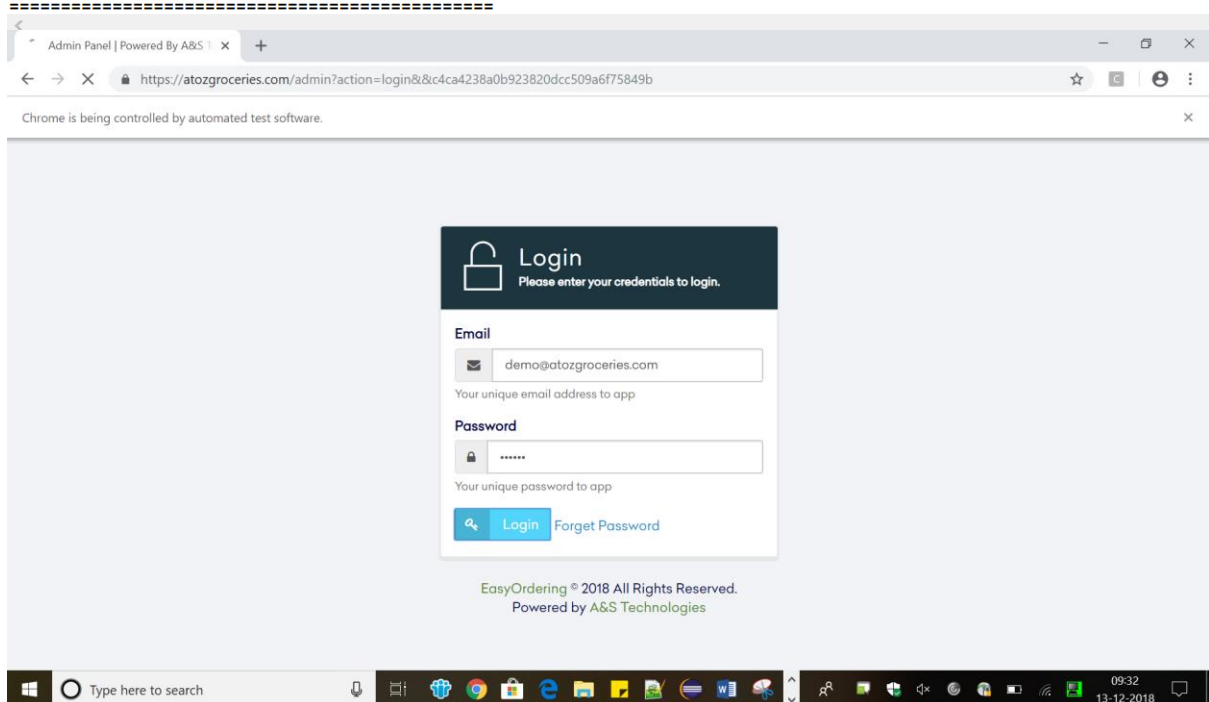
[RemoteTestNG] detected TestNG version 6.14.2

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 40852


Only local connections are allowed.

Dec 13, 2018 9:03:49 AM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: OSS



← → ↻ <https://atozgroceries.com/admin/dashboard?token=45c48cce2e2d7fbdea1afc51c7c6ad26> ☆ ⌵ ⌵ ⌵ Paused



Dashboard

Catalog

Sales

Customers

Marketing

System

Reports

Dashboard

Home / Dashboard


1
Total Orders
View more..

₹1,425.00
Total Sales
View more..


0
Total Customers
View more..

224
Total Products
View more..

Latest Orders

#	Order ID	Customer	Status	Total	Date Added	Action
1	#1		Pending	₹1,425.00	2018-12-10	

https://atozgroceries.com/admin/ x +
← → × <https://atozgroceries.com/admin/banner/edit/5?token=e4da3b7fbce2345d7772b0674a318d5> ☆ ⌵ ⌵ ⌵



Dashboard

Catalog

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

Sales

Customers

Marketing





System

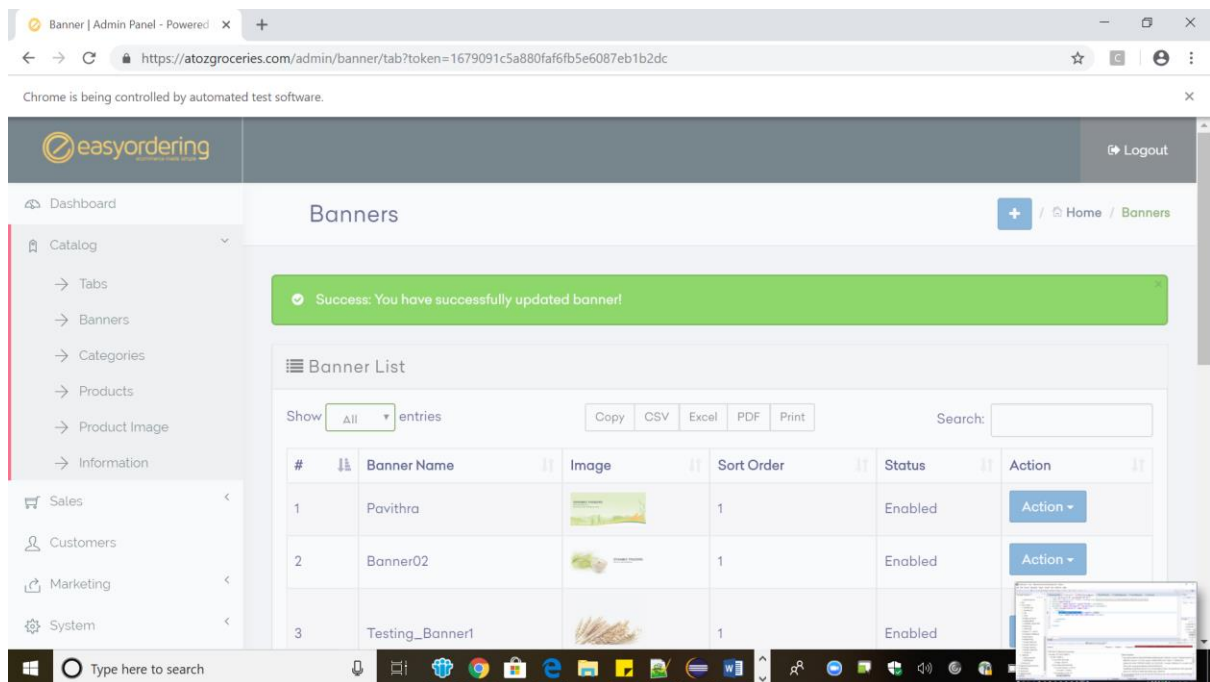
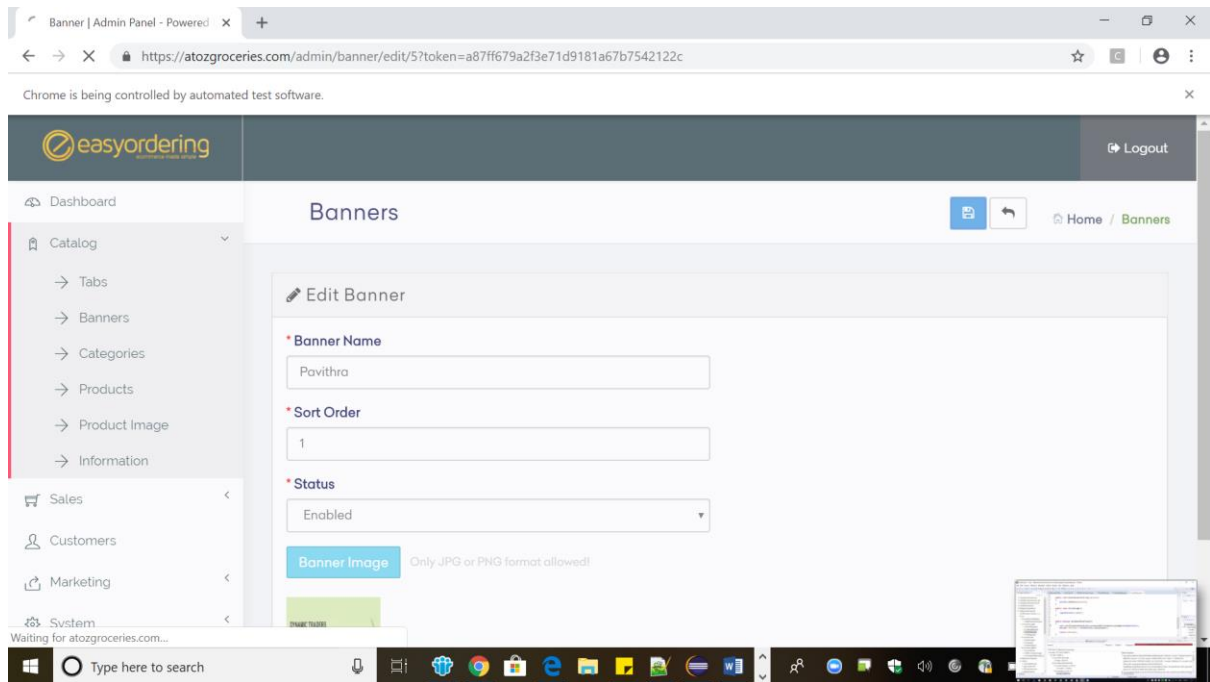
Banners

+ / Home / Banners

Banner List

Show 10 entries Copy CSV Excel PDF Print Search:

#	Banner Name	Image	Sort Order	Status	Action
1	Pavithra		1	Enabled	Action
2	Banner02		1	Enabled	Action
3	Testing_Banner1		1	Enabled	Action
4	Testing_Banner2		2	Enabled	



Report

Test	# Passed	# Skipped	# Failed	Time (ms)	Included Groups	Excluded Groups
Suite						
Test	1	0	0	10,355		

Class	Method	Start	Time (ms)
Suite			
Test — passed			
com.ibm.test.AdminLogin	positiveCredential	1544674392413	5891

Test

com.ibm.test.AdminLogin#positiveCredential

Messages
Modified element is Present