

PFA day 9 test case:

Process	Steps To Execute	Expected Results
Add a tab	1. Login to admin portal 2. Add a new tab under catalog using excel and dataprovider.	1. Verify the presence of tab under the tab list. 2. Verify the presence of added tab on the database.

Solution:

Below is the Java file for "Tab.java"

```
package com.ibm.pages;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.util.Properties;

import org.junit.Assert;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;

public class TabPage {
```

```
WebDriver driver;
```

```
WebDriverWait wait;
```

```
public TabPage(WebDriver driver,WebDriverWait wait)
```

```
{
```

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

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

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

```
}
```

```
//WebElement for link Catalog
```

```
    @FindBy(xpath="//a[contains(text(),'Catalog')]")
```

```
    WebElement catalogEle;
```

```
//WebElement for link Tabs
```

```
    @FindBy(xpath="//a[contains(text(),'Tabs')]")
```

```
    WebElement tabsEle;
```

```
//WebElement for icon Add New
```

```
    @FindBy(xpath="//a[@title='Add New']")
```

```
    WebElement addnewEle;
```

```
//WebElement for field Tab Name
```

```
    @FindBy(xpath="//input[@name='name']")
```

```
    WebElement tabnameEle;
```

//WebElement for field Sort

```
@FindBy(xpath="//input[@name='sort']")
```

```
WebElement sortEle;
```

//WebElement for field Status

```
@FindBy(xpath="//select[@name='status']")
```

```
WebElement statusddEle;
```

//WebElement for icon Save

```
@FindBy(xpath="//button[@title='Save']")
```

```
WebElement saveEle;
```

//This is a method to click on link Catalog on Admin page

```
public void clickOnLinkCatalog()
```

```
{
```

```
    catalogEle.click();
```

```
}
```

//This is a method to click on link Tabs under Catalog on Admin page

```
public void clickOnLinkTabs()
```

```
{
```

```
    tabsEle.click();
```

```
}
```

//This is a method to click on icon Add New on Tabs List of Admin page

```
public void clickOnIconAddNew()
```

```
{  
    addnewEle.click();  
}  
  
//This is a method to enter value on field Tab Name using properties file  
public void enterTabName(String tabname)  
{  
    tabnameEle.sendKeys(tabname);  
}  
  
//This is a method to enter value on field Sort Order using properties file  
public void enterSortOrder(String sortorder)  
{  
    sortEle.sendKeys(sortorder);  
}  
  
//This is a method to select value on field Status  
public void selectStatus()  
{  
    statusddEle.click();  
    Select statusEle = new Select(statusddEle);  
    statusEle.selectByVisibleText("Enabled");  
}  
  
//This is a method to click on icon Save  
public void clickOnIconSave()  
{  
    saveEle.click();  
}
```

```

//This is a method to validate that record is inserted into the list

    public void validationOnRecord() throws FileNotFoundException, IOException
    {

        Properties p = new Properties();

        p.load(new FileInputStream("./TestData/magentodata.properties"));

        String pagesource = driver.getPageSource();

        //System.out.println(pagesource);

        if(pagesource.contains(p.getProperty("tabname"))) {

            System.out.println("The presence of tab name is confirmed on
Admin page!");

            Assert.assertTrue(true);

        }
        else {

            System.out.println("The tab name is not added to this list");

            Assert.fail();

        }

    }

}

```

Below is the file for BaseTest.java

```

package com.ibm.test;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

```

```
import java.io.IOException;

import java.util.HashMap;

import java.util.concurrent.TimeUnit;


import org.apache.poi.xssf.usermodel.XSSFCell;

import org.apache.poi.xssf.usermodel.XSSFRow;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

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

import org.testng.annotations.Test;

import com.ibm.pages.AdminPage;

import com.ibm.pages.LoginPage;

import com.ibm.pages.TabPage;

import com.ibm.utilities.PropertiesFileHandler;

import junit.framework.Assert;


public class BaseTest {

@Test
    public void Day9Testcase() throws IOException, InterruptedException
    {

        /*String file="./TestData/magentodata.properties";
        PropertiesFileHandler propFileHandler = new PropertiesFileHandler();
        HashMap<String, String> data=
propFileHandler.getPropertiesAsMap(file);*/

        /*String url = data.get("url");
        String email = data.get("email");
        String password = data.get("password");
        String tabname = data.get("tabname");
        String sortorder = data.get("sortorder");*/
```

```

        //Location of Excel file
        FileInputStream excelfile = new
FileInputStream("./TestData/TestData.xlsx");
        //Open Excel file
        XSSFWorkbook book = new XSSFWorkbook(excelfile);
        //1st sheet on workbook - LoginData
        XSSFSheet logindata = book.getSheet("LoginData");
        //Row
        XSSFRow loginrow = logindata.getRow(1);
        //Cell
        XSSFCell ul = loginrow.getCell(0);
        XSSFCell em = loginrow.getCell(1);
        XSSFCell pw = loginrow.getCell(2);

        String url = ul.getStringCellValue();
        String email = em.getStringCellValue();
        String password = pw.getStringCellValue();

        //2nd sheet on workbook - Tabs
        XSSFSheet tabs = book.getSheet("Tabs");
        //Row
        XSSFRow row = tabs.getRow(1);
        //Cell
        XSSFCell tn = row.getCell(0);
        XSSFCell so = row.getCell(1);

        String tabname = tn.getStringCellValue();
        String sortorder = so.getStringCellValue();

        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        WebDriverWait wait=new WebDriverWait(driver, 60);
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
        driver.get(url);

        LoginPage login = new LoginPage(driver);
        login.enterEmailAddress(email);
        login.enterPassword(password);
        login.clickOnLogin();

        AdminPage apage=new AdminPage(driver, wait);
        TabPage tp = new TabPage(driver, wait);
        tp.clickOnLinkCatalog();
        tp.clickOnLinkTabs();
        tp.clickOnIconAddNew();
        tp.enterTabName(tabname);
        tp.enterSortOrder(sortorder);
        tp.selectStatus();
        tp.clickOnIconSave();
        Thread.sleep(2000);
        tp.validationOnRecord();

```

```

        DB dbcon = new DB();
        dbcon.dbvalidation_tab();

        book.close();

        apage.clickOnLogOut();

        driver.close();
        System.out.println("A new record for Tab added...End of program!");
    }
}

```

Data Sheet on excel

The screenshot shows an Excel spreadsheet titled 'TestData.xlsx'. The active sheet is 'TabName'. The data is as follows:

1	TabName	SortOrder	Status
2	Tab_Rajendra	1	Enabled
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
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28			
29			
30			

Eclipse console:

```

[RemoteTestNG] detected TestNG version 6.14.3
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port
9204
Only local connections are allowed.
Dec 23, 2018 10:51:36 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
The presence of tab name is confirmed on Admin page!
A new record for Tab added...End of program!
PASSED: Day9Testcase

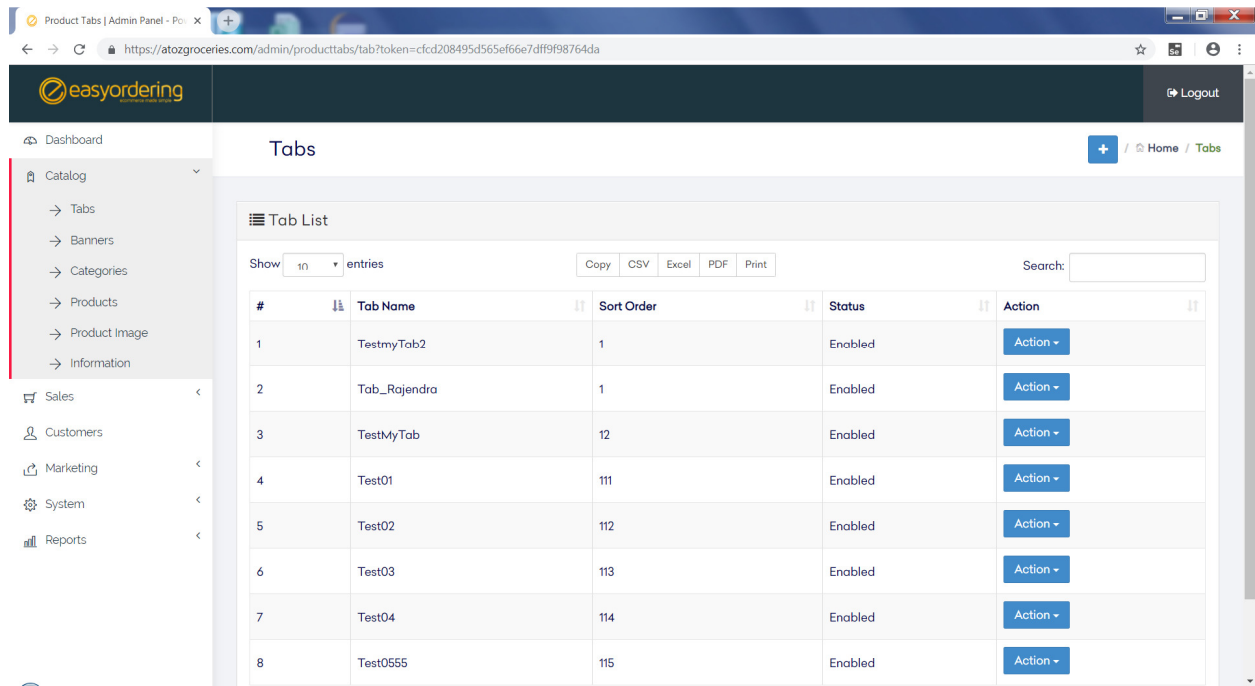
```

=====

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

=====

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



Below is the DB.java file:

```
package com.ibm.pages;

import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;

import org.junit.Assert;

public class DB {

    public static void main(String[] args) throws SQLException,
FileNotFoundException, IOException {
        /*//connection string - jdbc(odbc0:server://host:port/db_name, username,
password
```

```

        Connection c =
DriverManager.getConnection("jdbc:mysql://foodsonfinger.com:3306/foodsonfinger_atozgroceries", "foodsonfinger_atoz", "welcome@123");

        Statement s = c.createStatement();
        ResultSet rs = s.executeQuery("Select * from as_tabs");

        while(rs.next())
        {
            System.out.print(rs.getInt("tab_id"));
            System.out.println("\t"+rs.getString("name"));
        }
        /*
        //System.out.println("The is for DB connection then continue...");
        //dbvalidation_tab ();
    }

    public void dbvalidation_tab () throws SQLException, FileNotFoundException,
IOException
    {
        Connection c =
DriverManager.getConnection("jdbc:mysql://foodsonfinger.com:3306/foodsonfinger_atozgroceries", "foodsonfinger_atoz", "welcome@123");

        Statement s = c.createStatement();
        ResultSet rs = s.executeQuery("Select * from as_tabs");

        Properties p = new Properties();
        p.load(new FileInputStream("./TestData/magentodata.properties"));

        while(rs.next())
        {
            //System.out.println(rs.getInt("tab_id"));
            //System.out.println(rs.getString("name"));

            if
(p.getProperty("tabname").equalsIgnoreCase(rs.getString("name")))
            {
                System.out.println("The record is inserted!");
                Assert.assertTrue(true);
            }
        }
    }
}

```

[RemoteTestNG] detected TestNG version 6.14.3

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 31662

Only local connections are allowed.

Dec 25, 2018 1:53:36 AM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: OSS

The presence of tab name is confirmed on Admin page!

The record is inserted!

End of program!

PASSED: Day9Testcase

Default test

Tests run: 1, Failures: 0, Skips: 0

Default suite

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

Product Tabs | Admin Panel - Po... X

https://atozgroceries.com/admin/producttabs/tab?token=d3d9446802a44259755d38e6d163e820

Chrome is being controlled by automated test software.

easystore Logout

Dashboard

Catalog

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

Sales

Customers

Marketing

System

Reports

Tabs

+ / Home / Tabs

Success: You have successfully inserted new tab!

Tab List

Show 10 entries

Copy CSV Excel PDF Print

Search:

#	Tab Name	Sort Order	Status	Action
1	TestmyTab2	1	Enabled	Action
2	Tab_Rajendra	1	Enabled	Action
3	TestMyTab	12	Enabled	Action
4	Test01	111	Enabled	Action
5	Test02	112	Enabled	Action
6	Test03	113	Enabled	Action