**HomePageObjects.java**

package main.java.pages;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.interactions.Actions;

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

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

public class HomePageObjects {

WebDriver driver;

WebDriverWait wait;

By openPagesMenu = By.xpath("(.//a[text()='Pages'])[1]");

By contctOption = By.xpath("(.//li/a[@href='contact.html'])[1]");

By errorMessage = By.xpath(".//div[@class='gm-err-content']");

public HomePageObjects(WebDriver driver) {

this.driver = driver;

this.wait = new WebDriverWait(driver, Duration.ofSeconds(10));

}

public void hoverOnPagesMenu() {

WebElement menu = wait.until(ExpectedConditions.visibilityOfElementLocated(openPagesMenu));

Actions a1 = new Actions(driver);

a1.moveToElement(menu).build().perform();

}

public void clickContact() {

WebElement contact = wait.until(ExpectedConditions.visibilityOfElementLocated(contctOption));

contact.click();

}

public void errorMessage() {

WebElement error = wait.until(ExpectedConditions.visibilityOfElementLocated(errorMessage));

System.out.println(error.getText());

}

}

**BaseTest.java**

package test.java.base;

import java.time.Duration;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class BaseTest {

public static WebDriver driver;

public void openBrowser() {

WebDriverManager.chromedriver().setup();

driver = new ChromeDriver();

driver.manage().window().maximize();

driver.manage().deleteAllCookies();

driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(10));

driver.get("http://localhost/ecomm/ATE\_PEP2\_Testing\_Using\_TestNG/");

}

public void closeBrowser() {

if(driver != null) {

driver.quit();

}

}

}

**HomePageTest.java**

package test.java.tests;

import org.openqa.selenium.Alert;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

import main.java.pages.HomePageObjects;

import test.java.base.BaseTest;

public class HomePageTest extends BaseTest{

HomePageObjects hpo;

@BeforeMethod

public void setup() {

openBrowser();

hpo = new HomePageObjects(driver);

}

@Test

public void homePageTest() {

hpo.hoverOnPagesMenu();

// wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(.//li/a[@href='contact.html'])[1]")));

hpo.clickContact();

try {

Alert alert = driver.switchTo().alert();

System.out.println("Alert message"+ alert.getText());

alert.accept();

}catch(Exception e) {

System.out.println(e);

}

// wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath(".//div[@class='gm-err-content']")));

hpo.errorMessage();

}

@AfterMethod

public void tearDown() {

closeBrowser();

}

}

**Testng.xml**

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">

<suite name="Suite">

<test thread-count="5" name="Test">

<classes>

<class name="main.java.pages.HomePageObjects"/>

<class name="test.java.base.BaseTest"/>

<class name="test.java.tests.HomePageTest"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**Pom.xml**

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>ATE\_PEP2\_Testing\_Using\_Selenium\_TestNG</groupId>

<artifactId>ATE\_PEP2\_Testing\_Using\_Selenium\_TestNG</artifactId>

<version>0.0.1-SNAPSHOT</version>

<build>

<sourceDirectory>src</sourceDirectory>

<plugins>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.13.0</version>

<configuration>

<release>23</release>

</configuration>

</plugin>

</plugins>

</build>

<dependencies>

<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.32.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.testng/testng -->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.11.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->

<dependency>

<groupId>io.github.bonigarcia</groupId>

<artifactId>webdrivermanager</artifactId>

<version>6.1.0</version>

</dependency>

</dependencies>

</project>

**Report**

