HomePageObjects.java

```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() {
```

```java
                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

```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

```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='c
ontact.html'])[1]")));
```

```java
        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
<?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

```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>
```

```xml
    </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>
```