Basic Navigation Tests

Creating project

1. Create a new project named BasicNavigationTests using IntelliJ.
2. Add all the required selenium dependencies.
3. Under src create two packages com.cbt.utilities and com.cbt.tests.

Utilities

1. Create class BrowserFactory under utilities package.
2. Create a public static method getDriver which takes a string argument.
3. If you are using Windows, and if the String argument is `safari`, return null. If you are using Mac, and if the String argument is `edge`, return null.

    NOTE *For this step, you need to research how to find out your operating system programmatically using Java.*

4. In all other cases, return a new WebDriver object for ChromeDriver, FirefoxDriver, EdgeDriver or SafariDriver based on the value of the string argument.

    NOTE *For this exercise, you need to research how to launch Edge using Selenium if you are using Windows.*

    NOTE *For this exercise, you need to research how to launch Safari using Selenium if you are using Mac.*

5. Create class StringUtility under utilities package.
6. Create a public static method verifyEquals which takes two string arguments, expected and actual.
7. The method prints `PASS` if both strings are equals to each other. Else it prints `FAIL` and it also prints the values of both arguments.

Tests

1. Create class NavigationTests under tests package.
2. Automate the provided test case using 3 different browsers.

3. Create a separate test method for each browser.

    a. If you are using Windows, create test methods for Chrome, Firefox, Edge.

    b. If you are using Windows, create test methods for Chrome, Firefox, Safari.

4. Each test should close the browser after completion.

5. Test methods must use the utilities.

6. Run all three test methods from the main method.

Test Case

1. Open browser

2. Go to website https://google.com

3. Save the title in a string variable

4. Go to https://etsy.com

5. Save the title in a string variable

6. Navigate back to previous page

7. Verify that title is same is in step 3

8. Navigate forward to previous page

9. Verify that title is same is in step 5