BLG 475E: SOFTWARE QUALITY AND TESTING

SPRING 2019-2020

HOMEWORK 3, DEADLINE:19/06/2020

Work in groups of two, check the GitHub project shared by Murat Mercan (https://github.com/muratme/migros), and modify the given project for automatically testing **a new** scenario.

The existing project contains tests for the following scenario:

1. Login as a customer to https://www.migros.com.tr (keep your login credentials in a configuration file, and read from that file during testing the application)

2. Pick "Kırmızı Et" from the main menu bar of "Tüm Kategoriler"

3. Click on the product "Dana Yemeklik Kuşbaşı"

4. In the next page, order 1 kg of this product by adding a note to the textbox below "Ürününüzü Nasıl Hazırlayalım?".

4. To the note, write "120 gramlık paketler şeklinde hazırlanmasını istiyorum" and add the product to your shopping basket.

5. Go to your shopping basket, and increase the amount of the product (for example from 1 kg to 1,1 kg) until you reach the minimum delivery price (60TL).

6. Choose "Alışveriş çantalı teslimat istiyorum" from the delivery options on the right side of the page and approve the basket.

Make sure the final amount is correctly displayed on the right side of the next page (under "Sepet Özetiniz"). The test will be finished when you move to "Teslimat Şekli" page.

First, download the project from the GitHub link, and make sure it successfully executes the tests. It is suggested to use one of the following Java IDEs: IntelliJ, Netbeans, Eclipse. Use the guidelines provided on the GitHub project page for setting up the test automation environment on your computers. Use the Selenium WebDriver and test the application on Chrome only.

Second, reuse if necessary, and create a new project to test the following scenario:

The new scenario starts with the step 1 above, and continues as follows:

2. Pick "Bebek Bezi" from Bebek, Oyuncak category in the main menu bar "Tüm Kategoriler"

3. Choose "Prima" from Markalar on the left side of the menu

4. Choose "4 Beden" from Beden on the left side of the menu

5. Click on the product which has the highest price, add it to the shopping basket

6. Go to your shopping basket, and increase the amount of the product (for example from 1 package to 2 packages) until you reach the minimum delivery price (60TL).

7. Choose “Alışveriş çantalı teslimat istiyorum” from the delivery options on the right side of the page and approve the basket.

Make sure the final amount is correctly displayed on the right side of the next page (under “Sepet Özetiniz”). The test will be finished when you move to “Teslimat Şekli” page.

You need to write both positive and negative test cases to completely test this scenario. Test the operations with and without logging into the system at the beginning, and make sure you log in later whenever necessary. Please make sure you clean your shopping basket before you start testing the application for the scenario in the associated setup and teardown methods.

You are required to submit your project in one of the two options:

1. As a GitHub link: Please share the project you created in GitHub with the teaching assistant (via Ninova). In the ReadMe of the project, make sure you write your student IDs and full names. Every team member needs to contribute to the git repository.

2. As a Google Drive link: Share the link with the teaching assistant (via Ninova).

You are also required to submit a report including the names of test cases with their descriptions, inputs, expected outputs and execution results. You can also add additional notes on failed test cases, or other configuration parameters if necessary. Make sure the report has your student IDs and full names.

The evaluation of your project will be based on the following criteria:

- Assertions in the test cases
- Negative to positive scenario ratio
- Use of annotations, addressing the web elements correctly
- Page object patterns usage