

Assignment 5
UI Web Automation Testing

Assignment Objectives:



- Functional testing for applications with Web UI.
- Use JUnit for implementing the test cases.
- Use **archetype Serenity, JUnit**;[See **Info-Web-UI-serenity-junit** in Teams General->Files->Labs->**LabTutorials**]



Assignment = In-Class assignment + Take-Home assignment

- **In-Class assignment**
 - First hour of the laboratory.
 - Maxim 25 XP
 - TO DO:
 - 1. UI Web Automation Testing**
 - Create project archetype (you can also use the demo L5DemoSerenityJUnit.zip, SearchByKeywordsStory) (10XP)
 - Implementing 2 test cases (add 2 more terms to search). (10XP)
 - Generate documentation using “aggregate” (5 XP)
- **Take-Home assignment**
 - At home.
 - Maxim 75 XP
 - TO DO:
 - Use DDT. Create a csv file with the input data to be tested.
 - For a chosen web page (e.g., www.eximtur.ro, www.emag.ro, www.cs.ubbcluj.ro), identify and test 2 functionalities (add, search, filter, etc) of the web page.
 - (you can also use the demo L5DemoSerenityJUnit.zip for the your chosen webpage, SearchByKeywordsStoryDDT)
 - For each functionality 2 test cases will be created (1 test case with valid data and 1 test case with invalid data). (50XP)
 - Generate documentation using “aggregate” (25 XP)



Assignment and Delivery date:

1. Assignment date: laboratory 5
2. Delivery date for **In-Class assignment**: laboratory 5 (max 25 XP)
3. Delivery date (first) for **Take-Home assignment**: laboratory 6 (max 75 XP)



Turn in:

Delivered and presented in class AND upload on canvas after Delivery in class the following archives (IC for In-Class delivery, TH for Take-Home delivery, 93X change with your group, Name01Name02 the name of the team)

- a. Lab5_IC_93X_Name01Name02.zip
 - i. Source code:Implementation of the test cases.
 - ii. The generated documentation of the testing test cases using "aggregate".
- b. Lab5_TH_93X_Name01Name02.zip
 - i. Source code:Implementation for the UI Web
 - ii. Source code: Implementation of the test cases.
 - iii. The generated documentation of the testing test cases using "aggregate".



References - See Lecture 5-EVOZON.