

**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 Lab5DemoSerenityJUnit\_2024.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:
  1. Use DDT. Create a csv file with the input data to be tested.
    - For a chosen web page (e.g., [www.eximtur.ro](http://www.eximtur.ro), [www.emag.ro](http://www.emag.ro), [www.cs.ubbcluj.ro](http://www.cs.ubbcluj.ro)), identify and test 2 functionalities (add, search, filter, etc) of the web page.
    - (you can also use the demo Lab5DemoSerenityJUnit\_2024.zip for the your chosen webpage, SearchByKeywordsStoryDDT)
      - a. For each functionality 2 test cases will be created (1 test case with valid data and 1 test case with invalid data). (50XP)
      - b. 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.