

Assignment 5 UI Web Automation Testing



Assignment Objectives:

- Functional testing for applications with Web UI.
- Use JUnit for implementing the test cases.
- Use of **archetype Selenium, Serenity, JUnit**; [See Tutorial-Web-UI-serenity-junit]
- Use of **archetype Selenium, Serenity, JUnit, Cucumber**; [See Tutorial-Web-UI-serenity-cucumber]



Theoretical aspects

- UI Web automation testing.
- Selenium, Serenity.
- **References:** [Myers], [Frentiu]

[Myers]: Glenford J. Myers, The Art of Software Testing, John Wiley & Sons, Inc., 2004
[Frentiu]: M. Frentiu, Verificarea si validarea sistemelor soft, Presa Universitara Clujeana, 2010.



Assignment

[UI Web Automation testing]

One of the following problems will be solved:

[Option1]: For a chosen web page (e.g., www.eximtur.ro, www.emag.ro, www.cs.ubbcluj.ro).

1. Identify and test 2 functionalities (add, search, filter, etc) of the web page.
2. For each functionality 2 test cases will be created (1 test case with valid data and 1 test case with invalid data).

3. Maxim grade: 7

[Option2]: For the project received in the first laboratory Lab 01:

1. Develop a Web UI for one of the requirements (a), b) or c);
2. For the developed Web UI 2 test cases will be written (1 test case with valid data and 1 test case with invalid data).

3. Maxim grade: 10

[Selenium, Serenity, JUnit]

See **Selenium, Serenity, JUnit** Tutorial

[Selenium, Serenity, JUnit, Cucumber]

See **Selenium, Serenity, JUnit, Cucumber** Tutorial

Turn in:



[Web UI Automation Testing]

- 1) Source code:
 - a) Implementation of the test cases for Web UI testing.
 - b) The source code - tested and debugged (and retested).
- 2) The generated documentation of the testing test cases using "aggregate". (for option [Option2])
- 3) Print screens for each test cases with the execution steps of the test cases. (for option [Option1])



Assignment and Delivery date:

1. Assignment date: laboratory 5
2. Delivery date (first): laboratory 6
3. Delivery date (last): -