Assignment 2
Black-box testing

Assignment Objectives:
- Generating test cases based on black box testing.
- Use JUnit for implementing the test cases.
- Testlink - test management tool.
- Use Jenkins for executing the test cases

Assignment = In-Class assignment + Take-Home assignment
- **In-Class assignment**
  - First hour of the laboratory.
  - Maxim 50 XP
  - TO DO:
    1. **[Black-Box Testing]** (20 XP)
       - Creating Maven project. [See Maven tutorial]
       - EC table for one input variables + Implementing 2 test cases in Junit
         - The test cases will be created **addStudent** feature.
       - Add the project to git (github, public) project.
    2. **[TestLink]** (20 XP)
       - During Lab02-first hour (first 10 minutes), please make your account in Testlink such that the teacher will be able to assign the correct project to you. If not, you will not be able to do your assignment!
       - Creating in TestLink the 2 implemented test cases + Requirement specification.
       - [See **TestLink** tutorial]
    3. **[Jenkins]** (10 XP)
       - Creating a job in Jenkins for executing the 2 test cases. [See Jenkins tutorial]
- **Take-Home assignment**
  - At home.
  - Maxim 150 XP
  - TO DO:
    1. All EC/BVA for the **addStudent** feature. (50 XP)
    2. Testlink test cases (add the new implemented test cases) (50 XP)
    3. Jenkins job for all test cases (no modification required, use from IC assignment) (20 XP)
    4. Modification of the source code (errors identified and corrected) (30 XP)

Assignment and Delivery date:
1. Assignment date: laboratory 2
2. Delivery date for **In-Class assignment:** laboratory 2 (max 50 XP)
3. Delivery date (first) **for Take-Home assignment**: laboratory 3 (max 150 XP)
4. Delivery date (last) **for Take-Home assignment**: laboratory 4 (max 50 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 two members of the team)
- a. Lab2_IC_93X_Name01Name02.zip
  - i. Lab02_BBT_Form.xls
  - ii. Source code:Implementation of the test cases.
- b. Lab2_TH_93X_Name01Name02.zip
  - i. Lab02_BBT_Form.xls
  - ii. Source code:Implementation of the test cases.

References
- See Lecture 2.
- See documents for Lab02Files.zip