Programing Technologies Lesson 7

- 1. Carefully follow the presentation about JUnit (available online at the page of the class). Add some extra features to a pre-defined project.
- 2. Download the progtech_L8_start.zip project from the page of the class and import it to NetBeans.
- 3. Try to understand the sample classes.
- 4. Go through together on the tests. Modify the tests when it is needed.
- 5. Create a new project without a Main class. The name of it should be myJUnit4
- 6. Add a class into the myPackage package. The name of the class is Rectangle. It has two double fields a and b. Add getters and setters for these two fields.
- 7. Add a new Exception to the package named WrongLengthException. Throw this exception if the setA or setB methods get a non-positive number as a parameter.
- 8. Add two new methods to the Rectangle class: Area and Circumference.
- 9. Add a Junit test to the project on the Rectangle class. Test the followings:
 - The setA method throws WrongLengthException for wrong values
 - The setB method throws WrongLengthException for wrong values
 - The setA method sets the value correctly
 - The setB method sets the value correctly
 - The Area and the Circomference methods work correctly