Advanced Software Engineering Techniques – Lab03

Lab 3 - Deadline: Lab 4 (same groups of minimum 3)

Themes laboratory:
1. Requirements analysis
2. UML Diagrams
3. Team coordination, negotiation
4. Working with portal

Problem 1 [minimum score -10 points, maximum score 0 points]
Configure Github or Bitbucket or ... for each project appropriate to master page from which you belong. Use meaningful names for the project and the steps you take. The results for themes from Lab 2 must be added on portal. Specify what everyone does in a separate file type ".txt". Also create a file with following information: project name, members names, the coordinator, contact information, etc..

Problem 2 [scoring 10 points]
On the theme set by the coordinator perform **requirements analysis**, a document which will be added on the portal in English describing the major components will be available in the application that you make. Important: This document will describe all the application you would have to do, specifying what components will be implemented by the end of this semester. In determining the score will take into account the complexity of Requirement analysis, the correct identification of possible actors and how to make use case scenarios.

Problem 3 [scoring 10 points]
Using the document made at Problem 2 **create two UML diagrams by each team member**. (All names will be in English). Class diagrams and use-case diagrams are mandatory. In determining the score will take into account the correct identification of elements and correlations between them. One person from the team will coordinate the team and he will know what was done by each team member and he will make a short presentation to the lab coordinator. Also this person will establish and negotiate points that deserve each team member.

Bonuses up to 4 points for those that capture as many aspects (*include* and *extend* relationships at use-case diagrams, *aggregation, composition* relationships in class diagrams, and so on).

Links
Requirement analysis, Actor, Use Case: http://profs.info.uaic.ro/~adiftene/Scoala/2016/IP/Cursuri/IP02.pdf
Use Case and Class Diagrams: http://profs.info.uaic.ro/~adiftene/Scoala/2016/IP/Cursuri/IP03.pdf
Sequence and collaboration Diagrams: http://profs.info.uaic.ro/~adiftene/Scoala/2016/IP/Cursuri/IP04.pdf
State, Activity, Package Diagrams: http://profs.info.uaic.ro/~adiftene/Scoala/2016/IP/Cursuri/IP05.pdf