

Introduction to Software Engineering – laboratory no 3

Use-case model and use-case specification

Provide solutions for exercises: 1, 3, and 4 or exercises: 2, 3, and 4.

1. On the base of requirements elaborated for e-testing system (Exercise 1, Laboratory 2) prepare a use-case diagram for that system. Provide short (1-2 sentences) description for each use-case (3 points).
2. Write a use-case diagram for a course registration system on the base of the following description. Provide short (1-2 sentences) description for each use-case (3 points).

The course registration system is used for three kind of users:

1. Students, who will use it to:
 - view the courses they can enrolled to
 - enroll to a specific course
 - cancel enrollment to a course
 - print their timetable
 - view final grades for their courses
 - claim the grades
 2. Teachers, who will use it to:
 - view the list of students enrolled to a course taught by them
 - export/print the list of students enrolled to a course taught by them
 - provide final grades for students enrolled to a course taught by them
 - print a student list with final grades for a specific course
 - accept or reject student claims about final grades
 - view/print their timetable
 3. Administrative staff, who will use it to:
 - create/read/update/delete data about courses the student can enroll to
 - create/read/update/delete data about teachers
 - create/read/update/delete data about students
 - assign teachers to courses
 - find courses/students
 - read/update final grades
 4. Additionally:
 - All users have to log-in to the system
 - All users can change password and ask system for password reminder
3. Provide a detail textual use-case specification for 2 use-cases from exercise 1 or 2 (other than login, and change password/password reminder) (2 + 2 = 4 points).
 4. Transform one of the detail textual use-case descriptions from exercise 3 into an activity diagram (3 points).