SENG 300 W2020 – Introduction to Software Engineering
Assignment #02

Due Date: Friday, March 06, 11:30 pm

Overview:

This assignment focuses on creating a class diagram and sequence diagrams.

System Description:

Emerging university is a newly established university situated in sub-urban area of Edmonton. The computer science department is highly interested in adopting the latest technologies and wants to develop a web-base Student Information System for course management. The portal shall provide facility to department head so that he/she can add/edit new sessions, sections and courses. Each course is taught by two people; Instructor who can add/edit the course plan and TA that should upload the material. Department head should add and assign instructors to courses; one course should have only one instructor. Every course must have an instructor. Instructor should define weekly course plan; each weekly plan should contain lecture notes, helping material and assignments that student can view/download. A student registers himself to the courses and can view/download the material. Students should also be able to submit the assignments through the system. TAs evaluate the assignments. No resubmission is allowed. Students should also view their assignment marks.

Note:

You are free to make your any valid assumptions to clarify the requirements. However, mention those assumptions in your submission file.

Submission:

You are required to submit your solution as a single PDF document in D2L Dropbox folder before the due date/time, a cover page with your name and student number. Your solution PDF file should contain the following:

1. A class diagram that includes:
    a. Classes
    b. Attributes
    c. Methods
    d. Association and multiplicity
    e. Relationship among classes

2. Select any three use cases your choice and create sequence diagram for each.

Grading:

The grade would be assign as follows:

- Class diagram (3.5 marks)
- Sequence diagram (4.5 marks)
- Overall quality of the document and diagrams (2 marks)

Your marks will be deducted if you don't use any tool to make diagrams.

Individual Work:

All assignments in this course are individual work. Individual Assignments are to be performed strictly individually. The point is to demonstrate that you have acquired the individual skills. Questions may be asked on the D2L Discussion Forum. Students may not discuss details of their solutions, nor share details of their solutions. Students are required to specify all sources of information that they use, whether verbal, written, or online. In any case of uncertainty, students must discuss the details with the course instructor prior to utilizing the source of information. Students are also advised to read the guidelines for avoiding plagiarism mentioned in the course outline and university website.

Failure to follow these rules may result in charges of academic misconduct, leading to an F on the assignment, an F in the course, suspension, or even expulsion. Academic misconduct is a serious offence, so the consequences are also serious.

Late Penalty:

Late submissions will not be accepted.