Project Overview

This is a team project. All students (including the teams that have just one member) must do project 4 as a team project.

In this project, all teams (including the teams that have just one member) should

(i) freely choose/define a software system that is related to OOP concepts,

(ii) design the software system using UML diagrams.

(iii) develop it using OOP language (C++, JAVA, C#, or Python),

(iv) write a final report, and

(v) give a presentation (including demo).

(vi) eclass submission (Deadline: December 7)

 - If you belong to [class 01: Team 1 ~ 14, class 02: Team 1 ~ 12, class 03: Team 1 ~ 7]

   eclass submit (one .zip file): final report, source files, executable file, presentation file

                Only the leader of each team needs to submit the project results thru eclass.

 - If you do not belong to [class 01: Team 1 ~ 14, class 02: Team 1 ~ 12, class 03: Team 1 ~ 7]

   eclass submit (one .zip file):

       final report, source files, executable file, presentation file and a video file (.mp4 format) that contains
       your project presentation (length: around 7 min) instead of giving a project presentation in our class.

Final Report

   The final report should contain

        (a) project title, list of team members, brief project description (summary)

        (b) how to compile and execute. system requirement for compilation and execution

        (c) description on functionality of your software (what is working in your SW system).

        (d) how you implemented (important implementation issues)

        (e) the result of UML modeling for system design

           (please include "class diagram", "use-case diagram", "activity diagram" in your modeling)

        (f) execution results : show real examples of program execution. (use screen capture)

           show that each function (기능) of the SW system is working correctly.

        (g) explain how you applied object oriented concepts to the development for your project.

        (h) Conclusion

Presentation

        (a) presentation date : Dec. 8 or Dec. 10 (See class webpage for the exact schedule)

        (b) how long to present : Each team has around 7 minutes for presentation.

        (c) present

        ● what (around 2 mins) : short description of your SW system , what functionality it has.

        ● how (around 1 mins) : overall design (UML) , important implementation issue.

        ● demo (around 4 mins) : run your program and show important functionality your program has.

Grading Criteria

(i) overall impression

(ii) quality of final report

(ii) quality of your program development (demo)

(iii) quality of presentation (Your presentation should be given in English.)

(iv) appropriateness of your project topic

   (Is it too easy or not?, Is it creative or not?, Is it useful for improving your OOP ability?)