

Project#4 (deadline: Dec. 5th)

1. Project Overview

In this project, each team should

- (i) choose/define a software system that is related to OOP concepts,
- (ii) design the software system using UML (use StarUML, an open-source SW, for drawing UML diagrams)
- (iii) develop it using OOP language (C++, JAVA),
- (iv) write a final report, and
- (v) give a presentation (including demo).
- (vi) eClass submit: final report, source code, presentation file (due: Dec. 8th)**

2. Project Proposal (submit through eclass by Nov.27th)

The proposal should contain

- (a) list of team members, (b) title and brief description of the system you plan to develop

Just a few lines on 1 page should be OK for the proposal.

3. Final Report (deadline : Dec. 5th - eClass [proj4] file submission) - submit the final report hard copy to professor when you give presentation.

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
(use StarUML (version 1) for drawing “class diagram”, “use-case diagram”, “activity diagram”)
- (f) execution results : show real examples of program execution. (use screen capture)
show that each functionality of the SW system is working correctly.
- (g) explain how you applied object oriented concepts to the development for your project.
- (h) Conclusion

4. Presentation

(i) submit through eClass [proj4] (deadline : Dec. 5th - eClass submission)

(a) source code + executable binary code (compress it into .zip file)

(b) presentation .ppt file (submit .ppt hard copy to professor when you present.)

- (i) presentation date : Dec. 6th or Dec. 11th
- (ii) how long to present : Each team has 9 minutes (class 01) / 6 minutes (class 02) for presentation.
- (iii) present
 - what (around 2min) : short description of your SW system , what functionality it has.
 - how (around 2min) : overall design (UML) , important implementation issue.
 - demo (around 4min) : run your program and show important functionality your program has.

5. 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?)