OOP Term Project Guidelines

1. Team organization

* 4~5 students per project (Sep. 16)

2. Grading Criteria

* This project is worth 30% of final mark.
* Grading criteria of the term project is as follows.
  + 45 points for correctness
    - No compilation error
    - No run-time error
    - Implementation of all the proposed functions
  + 30 points for properly using OOP concepts
    - Abstraction
    - Inheritance
    - Polymorphism
    - Method overloading, and overriding
    - Pure abstract class and its use ...
    - ....
  + 10 points for presentation
  + 10 points for documentation
    - Summary of project (abstract, 요약)
      * Purpose, method, result, etc.
      * 프로젝트의 목적, 구현을 위한 전략(방법), 결과 등을 요약
    - Description of project subject (주제에 대한 설명)
    - Structure of program (프로그램 구성)
      * Class description
      * Class diagram
      * ...
    - OOP concepts in the program
      * Explain the OOP concepts used in the project
    - Result
      * Screenshots with explanation
      * Result and evaluation (결과 평가 및 고찰)
    - Future work
      * 향후 개선점 등 기술
  + 5 bonus points
    - GUI implementation
    - Any novel proposal and its implementation

3. Project topic examples

* Conversion of existing applications
  + e.g., Notepad implementation based on OOP (노트패드 프로그램을 OOP 개념으로 작성)
  + e.g, Excel program implementation based on OOP

(엑셀 프로그램을 OOP 개념으로 작성)

* ...
* Various management programs based on OOP
  + Library management (도서관 관리 프로그램)
  + Schedule management (개인/그룹 등 스케줄 관리)
  + Parking lot management (주차 관리 시스템)
  + ...
* Enhancement of existing open-source project
  + Find C++based open-source project
  + Analyze the project and add new functionalities

4. Important dates

* Sep. 16: Team Notification
* Oct. 7: Submission of project proposal (cyber campus)
* Oct. 28: Project proposal feedback (hands-on lab)
* Nov. 11: Project progress check (hands-on lab)
* Nov. 15: Project midterm presentation (lecture time)
* Dec. 2: Final check (hands-on lab)
* Dec. 6: Final presentation (lecture time)