CSCI 1300 Introduction to Computer Programming
Instructor: Knox
Assignment 8: Project Proposal
Due Friday, April 7, by 12:30 pm

Your projects will be due April 16th, 2017 by 12:30 pm. The minimum requirements for the project have been posted on moodle and can also be found at the end of this write-up. Please look into it and come up with a good project idea. It can be anything ranging from a management system, game, automating some process, etc. Remember, having a project that meets the bare minimum requirements will only fetch you a maximum of 80 points out of 100. As part of the final C++ project submission, you need to include a document describing your project. The project proposal is the initial version of that document.

Before you submit the project, you need to design and plan your implementation. This assignment requires you to submit your idea and the how you plan to complete you project. You must supply a write-up for the project proposal containing the following requirements, but you can always write more.

- What is your project?
- What is the goal of this project?
- Attach your complete .h files with comments to provide some basic idea of the functions.
- Explain why you designed your class this way.
- Why have you chosen these data members and how do you plan to use them.
- Explain how the design meets the requirement.

Submitting Your project proposal to Moodle:
You must also submit your proposal to Moodle to get full credit for the assignment. Create a .zip file which includes project proposal write-up and all your .h files to be submitted to Moodle.

The minimum requirements that your project must meet are as follows:

- 2+ user defined classes
- 4+ data members per class (including at least one use of an array of user defined objects)
- 4+ methods per class (access, manipulation)
- Methods for each class must include at least:
    - 2+ if / if-else statements
    - 2+ while loops
    - 2+ for loops
    - File IO for reading and writing data members of an object