Final Project

For the final project, write a program in C++ of your own design. It can be anything you like, but should adhere to the following guidelines:

- The effort involved should be roughly twice that of a regular daily class assignment.
- The program need not have a GUI, but if so, it should use Qt.
- The program must be entirely your own creation and not be based on any available C++ code.
- If you use external libraries, please only use those that are commonly available on Linux.
- The program should be designed in an object-oriented fashion, utilizing C++ classes througout. It is not acceptable to implement this program as a series of global functions. Additionally, your program should not use any global variables.
- Your final project should include a Makefile or a qmake .pro file that can be used to compile your program.
- Every class should be implemented in a separate .h and .cpp file.
- Try to incorporate topics from througout the class in your project as much as possible.
- Be ready to present your project in the class in 01/31/2017. Each presentation will be 5-10 minutes. You can choose the best way to present your work including demo if you like.

If you have questions, please let me know.

Submit your program via online submission system and turn in a 1-page summary of your program along with instructions on how to use your program at your presentation time.

Resources for Qt GUI (Optional)

Qt web site

Qt class documentation

Qt examples