Final Project Presentation and Writeup Guidelines

Presentations:

- Aim for about 9 minutes for your presentation.
- Your primary aims in the presentation should be to give a brief description of what you want your code to do and convince us that your code does indeed do what you want.
- Every group member has to speak.
- I suggest making a small number of slides (2-5) to help structure the talk and to supplement the presentation of the code, but you should also show the actual code and output from what you wrote.
- If you haven't completely finished yet that's fine. Present the code you do have. I would prefer for you to present clean and tested code that solves part of the problem than messy or untested code that solves the whole problem.

A rough idea as to how to lay out your presentation is:

- Objectives for the project. What do you want your software to do? How will you know it is doing it correctly?
- Description of the design decisions you made. What are the primary functions? What arguments do they take, and what do they return?
- Evidence that your code does what it should. This should be in the form of tests of the functions that you wrote: tell us what the test should return and show that it does in fact return the expected results.
- If you haven't completely finished coding, describe what functions and tests you are planning to implement.

Writeups:

- Writeups should be 3-5 pages.
- As with the presentation, your primary aims in the writeup should be to give a brief description of what you want your code to do and convince us that your code does indeed do what you want.
- Structure should be the same as the presentation: describe the objectives, describe the design decisions, provide evidence that your code does what it should, and give a description of the final output.

Rubrics

For the presentation, you will be graded on the following criteria:

- Introduction lays out the problem well, and establishes a framework for the rest of the presentation.
- Design choices and functions are explained, these choices are well motivated.
- Code presented is clean and readable.
- Evidence provided that the code does what it should.

For the final code submission and writeup, you will be graded on the following criteria:

- Code is correct.
- Code is readable.
- Functions created correspond to conceptual units.
- Uses resources correctly and effectively.
- Thorough and organized testing.
- Tests are readable and documented with expected output.
- Problem set up and described clearly and correctly.
- Design choices and potential alternatives explained clearly.
- Code available on github with at least 3 commits and at least one from each group member.