

## CS112 Final Project Proposal

This is an individual assignment and it's worth 5% of your overall grade. The final project is a non-trivial program of your choice. It can't be one of the lab assignments. If you **are currently** taking CS110, you may do the same project, rewritten in Python. You must submit your project idea on Canvas under **"Final Project Proposal"**. I will give you feedback on the idea, and confirm that it's scope is both adequately large while still being feasible. Our next assignment will be a "Hello World" where you implement some crucial feature, and once again get feedback from me. Finally, you will complete your implementation sometime at the end of the term.

Below is a list of requirements for the final project. Your program should have all of the following. If you have hardship incorporating some of the requirements into your project, let me know and I can help you work them in. Minimum requirements for the final project are:

- At least 1 **class** definition
- A **for loop** or a **while loop**
- A decision structure such as **if, if-else, if-elif-else**
- At least 5 **methods/functions**
- User input
- Use a collection data type such as a list or tuple
- Print function
- File input/output

If you use an external Python library, then the specific minimum requirements listed above can be ignored--any use of an external library with a similar overall scope is an adequate, and encouraged, submission.

## Your initial project proposal is due as a .doc

**It should include a general description of the project you hope to implement, and a list of any libraries you know you will need to use.**