

# Final Project

Using the knowledge you have gained in this course, write a program that is useful to you or a friend. You are free to choose any project you'd like with the provisions that your program should be substantial and object-oriented. Write as many classes as necessary to make your program clear and readable, but you must write at least one class.

You will present your project during class on Monday, December 11th or during the following lab period.

## Deliverables

1. **December 11/14/15:** A presentation (google slides, PDF or powerpoint) describing the purpose of your program and its design:
  - a. What is the task you are addressing?
  - b. Why is the project interesting?
  - c. What classes and functions did you create? Show us class diagrams for your classes.
2. **December 20:** Your program (zip file submitted to Moodle).

## Proposal (due by lab Nov 16 or 17)

Submit a paragraph describing what you want to do for your final project and why you find it interesting.

## Learning Objectives

- Design and implement a useful program
- Apply object-oriented programming techniques
- Present your work to your peers

## Deliverables

- Your program should start with a comment that includes your name, email, date, assignment description, collaboration statement, and reflection.
- Submit your program to Moodle as a zip file.
- Be prepared to run the Processing sketch and demonstrate your "[Theory of the Program](#)."