

CMSC 143: Introduction to Object-Oriented Programming with Robots

## Assignment 5: A Final Program

– or –

### A Commencement Program

Due May 12, 2015 @ 1:30PM

Sure, this is the final assignment in **this** class, but it's the start of an empowered, creative computing future.

In the last assignment, you should use the knowledge you've gained in this course to write a program that is useful to you or a friend. You are free to choose any problem you'd like, with the provisions that your program should be substantial and object-oriented. For example, a program that speaks your name five times would not be classified as substantial. You should use as many classes as necessary to write your program in a clear way, but you should use at least one.

You will present your project during class either on May 12th or 14th. You should submit two items:

1. A power point presentation describing the problem and your program design. What is the problem? Why is the problem interesting? How are you approaching the problem? What classes and functions will you need? You should supply class diagrams for your classes.
2. Your final program.

### Learning Objectives

- Design and Implement a Useful Program
- Apply Object-Oriented Programming Techniques