CMSC 143: Object-Oriented Programming with Robots

Assignment 5: A Final Program
− or −
A Commencement Program
Due December 16, 2016 by class

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 the lab period on December 16th. You should submit three items:

1. A power point presentation describing the problem and your program design.

   - What is the problem or task?
   - Why is the project interesting?
   - How are you approaching the project?
   - How did you test your program?
   - What classes and functions did you create? You should supply class diagrams for your classes.

2. A set of tests that you can run to see if your program, or parts of your program, are working correctly.

3. Your final program.

Learning Objectives

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