CS 225 - Software Design and Development Program 2
Due: September 26, 11:30 PM

Objectives

The objectives of this assignment are:

- To read and modify existing code.

Assignment

For this assignment, you should complete the Ranked Choice Voting program that you have been reading and studying for the last written assignment. The starter code reads the election data from a file and creates the necessary Election, Ballot, and Candidate objects.

The selectWinner method in the Election class is not implemented, however. What you need to do is to implement that method. You may want to add additional helper methods in the Election class, or might need to make some modifications to existing methods in the Election class. The other classes should not need to be changed.

Grading

(10 points) Correctness - You should test your code with the example given in the previous assignment. You should also think about other cases and test those to be sure your code works.

Style and comments

Your grade will be determined by the code's correctness. In order to give you timely feedback, we will not be able to thoroughly read everyone's code. Nevertheless, programming with good style and writing meaningful comments are important things for you to get practice doing.

With each assignment, I will read a subset of the submissions and provide detailed (ungraded) feedback to those students. I will report back to the entire class about the style and comment concerns that I have observed (in an anonymous way, of course), so everyone can learn and evaluate their own code.

For style, pay particular attention to these things:

- Good name choice and following naming conventions
- Appropriate use of public and private
- Appropriate use of local variables, instance variables, and parameters
- Formatting: consistent indentation, use of blank lines to make code easier to read
- Good use of helper methods

Refer to the CS 225 Coding Style Guide posted on Moodle (just below the Syllabus) for details.

For comments, be sure that your comments add explanation and do not simply repeat the Java code in English.

Working with others

You can talk with other students to help you understand the existing code and algorithm, but you should write your code independently.

Turning in your work

Turn in your work by committing it to GitHub Classroom.