

CS 225 - Software Design and Development

Homework 1

Due: August 31, 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

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

(1 point) Style - Pay attention to:

- 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

(1 point) Comments - Make sure your comments add value

Working with others

You can talk with students in your study group 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.