

COMP 492 Assignment 2: Code Review

This assignment consists of two parts: (A) submit some polished code to Moodle; and (B) present some or all the submitted code to the class during an in-class code review.

Part A: Code Submission (25 points)

Submit a piece of challenging code you have written as part of your project to Moodle. Please submit at least a few dozen lines of code, and no more than about 200 lines. Submit only source code. Submit only files written or edited by you. Submit your code as a single zip file. The code will be graded on the usual aspects of high-quality source code, including the quality of comments, elegance, design and clarity. Be very careful to identify code written by others. If your project includes imported or automatically-generated code, use comments to indicate clearly which portions have been written by you.

Part B: Code Review (75 points)

Select some or all of the code you submitted in Part A. The selected code should be short enough that it can be explained in about 10 minutes, but it must also contain some interesting or difficult features that represent a programming challenge. One good guideline for this would be: were you forced to spend a non-trivial amount of time debugging or testing the code? If so, it would be a good choice for the code review.

In class, you will deliver a 5-10 minute presentation explaining your selected code. The presentation should consist mostly of showing the code itself on the projector while you explain it, but if necessary you can also use slides, web pages or a live demo. After the presentation, there will be 5-10 minutes of questions.

The grade for this part of the assignment will be based on the quality of the code you present, the clarity of the explanation during the presentation, and the correctness and helpfulness of your answers to questions. The grade will also take into account the difficulty of the coding challenge presented: discussing a simple piece of code will result in a lower grade.