COMP 492 Assignment A3: 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. Note that this assignment is to be done separately by every individual in the class, regardless of whether you are working in a team.

Part A: Code Submission (70 points)

Submit to Moodle a piece of challenging code you have written as part of your project. Please submit at least a few dozen lines of code, and no more than about 200 lines. Submit only source code written or edited by you. If that's not possible due to the nature of your project, please consult with the instructor; a possible alternative is to submit code that you have read and understood but did not write. **Submit your code as a single PDF file, at least one hour before the start of class on the due date.** (This is required so that all the submissions can be assembled into a single PDF file for easy presentation in Part B.) 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 (30 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 4 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 4-minute presentation explaining your selected code. The PDF you submitted to Moodle will be displayed on the projector during the presentation, but no other audiovisual aids may be used. After the presentation, there will be 2 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.