Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CS 235 Final Exam

Version 0.11

Instructors: K. Seamons and R. P. Burton

December 10-14, 2012 (Monday through Friday)

due in the Lab on Friday not later than 6:00 p.m.

**Penalty for submitting the Final Exam late: 100%**

Review your posted scores for the semester starting Monday, December 10th, and before requesting a hard copy of the Final Exam

Open Book (course text and your CS 142 course text only), Open Notes (including your own Lab solutions),

Open Secondary Storage Device: yours only

Open Laptop: if you wish

Open Course Website (and CS 142 course website), C++ API (cplusplus.com), and any sites specified in the Exam Packet, but no other Internet resources (such as non API resources on the C++ website)

Closed Neighbor (and everyone is thy neighbor)

**\*Instructions\***

(Please read carefully)

1. This exam consists of a C++ programming problem. Read and understand the statement of the problem completely before beginning to design, code, and test. As part of your design, consider the test cases that will establish the correctness of your solution. Test your solution thoroughly before submitting it.
2. Produce a solution, which consists of your C++ code, with a comment (at the beginning of the class containing your main method) which includes your name, your student ID number, and “CS 235 Fall 2012 Final Exam.” Save your complete source file(s) using the online submission script. Attribute any code taken from or based on other sources (except for the course texts and the course websites). Attributed code copied from or based heavily on outside sources is worth half credit. Unattributed code copied from or based heavily on outside sources is worth no credit.
3. Understanding the problem correctly is part of the examination. If something seems unclear, ask a CS 235 TA (but no one else) for clarification. You may pose questions to the CS 235 TAs at any time. However, the TAs generally are not permitted to answer questions related to design, C++ implementation, debugging, or testing.
4. Prior to submitting your midterm, score it using the attached scoring sheet (this will help you maximize your points and will help us grade your exam accurately). When you are finished, go to the course website and follow the link labeled “Submit Exam” in the Exam Menu.
5. Sign here (a) to certify that you have reviewed your posted scores for the semester and that you have alerted a TA in writing to any missing or incorrect scores, (b) to request that your final exam be graded, and (c) to certify that no unfair information related to the final exam has been received by you, either directly or indirectly, and that none will be conveyed by you. If we discover that you cheated or assisted someone in cheating, intentionally or unintentionally (including accidentally), your score for this exam may (and probably will) be

rand() % 1

We’re serious.

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(Signature) (Date)