CS 235 Midterm
Version 0.6
Instructor: R. P. Burton

February 29 - March 4, 2016 (Monday through Friday)
Due in the Lab on Friday no later than 8:00 p.m.; you must be physically in line to submit by 7:45 p.m.
Penalty for submitting the midterm late:
30 points per day (including weekend days), advancing at 8:01 p.m. each day

Open Book (142 course text and your CS 235 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 the reference section of www.cplusplus.com (not the forums), but **no other Internet resources** (including Google)
Closed Neighbor (and everyone is thy neighbor)

***Instructions***

(Please read carefully)

1. This midterm consists of a C++ programming problem. Read and understand the statement of the problem completely before beginning to design, code, and test. Produce and attach to your submission a UML diagram (see Appendix B.1) depicting an appropriate object-oriented design. Consider the test cases in advance that will establish the correctness of your solution and test your solution thoroughly before submitting it.
2. Produce a solution, which consists of your C++ code, with a comment at the beginning of each file (both .h and.cpp) which includes your name, and "CS 235 Winter 2016 Midterm." When you are finished, go to the course website and follow the link labeled "Submit" in the Midterm section of the Assignments menu. Upload your completed project by compressing the files and submitting through Learning Suite **with TA assistance**. If a packet is not collected by a TA upon submission, your exam will not be graded and you will receive no credit for the exam.
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). If your score is within 5 points of the TA score, you get a 3-point bonus. If your score is within 6 to 10 points of the TA score, your score is unaffected. If your score is more than 10 points different from the TA score, you lose 3 points. Be sure that your program runs properly on the 235 lab machines before submitting your solution.
5. Your solution packet must all be stapled together before it will be accepted by a TA, even if this results in a late submission penalty. At 7:45p.m., any line which has formed to submit exams with a TA will be closed; all students in line for pass-off will be the last students to be helped. Please be sure to be in line before that time.
6. Sign the Grading Sheet to request that your midterm be graded and to certify that no unfair information related to the midterm 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.