

# **CMSI 186**

## **PROGRAMMING LABORATORY**

Spring 2008

### **Lab Report Outline**

Unless otherwise instructed, use the following outline for your plain text, CMSI 186 lab reports:

[title]  
[your full name]  
[date]

#### I. Problem Description

Summarize, in your own words, the programming problem that was given. Start with an overview, then describe specific details for the program's behavior:

- A. Problem Overview
- B. Problem Details

#### II. Implemented Solution

Describe the solution you used for the problem. Summarize the general approach, then follow it with implementation details: the classes you used, how they are related, and key methods within the classes:

- A. General Approach
- B. Implementation Details

#### III. Test Fixture

Describe the tests that you wrote for your classes. State key test cases that you used, especially boundary conditions and exceptional situations.

- A. [name of class being tested]
  - 1. Location of Tests and How to Invoke Them
  - 2. Test Cases of Interest
- B. [name of next class being tested]
- C. [etc.]

#### IV. Known Issues

List anything that you feel is not done or not finished with your program, *\*especially\** known bugs. You may also state features that you would like to include, improvements to how the program displays its information or interacts with the user, and programming approaches or implementation details that you would like to change.

- A. Known Bugs
- B. Feature Enhancements
- C. Implementation Improvements

#### V. Conclusions

Summarize the overall lab report: what you tried to do, how you tried to do it, how you tried to validate it, how well it works (or not), and what you would like to change or improve about it.