Program Grading Criteria
CS 202 Programming Systems

Program (60 points max)

(-5 to -25) Segmentation Fault

(-5 to -25) Does not compile

Complete and Correct Code (30)

- Implements the Correct Data Structures
- Written using Functions
- Functions have Arguments
- No Global Variables used
- No String Class used
- Uses well designed Conditional Expressions to stop loops (no while(1) statements)
- Clear demonstration that all features implemented have been tested

OOP Design (10)

- Creation of complete abstractions instead of using structs
- No public data members
- No Friends (except for Program #3 w/ operator overloading)
- No Classes with just Set and Get functions
- Member functions must use have a reasonable set of Arguments
- Separation in classes that have specific Responsibilities
- Use of Single Inheritance Hierarchies

Exclusive use of Dynamic Memory (5)

- No statically allocated arrays

Destructors that Deallocate all Dynamic Memory (10)

Efficient Design (5)

Design Analysis and UNIX Tools (20 points max)

Readable with Complete Sentences in paragraph form (5)

Completely analyzes the design (minimum 400 words) (5)

Completely discusses how UNIX debuggers were used(minimum 400 words) (10)

These must be submitted as separate documents appropriately named in the D2L

Program Style, comments, and documentation (20 points max)

Headers to all Files and all Functions(5) *** Important ***

- Includes your name in the program
- If your program has multiple files, your name must be in each file
- Each file has a header comment describing the purpose of the file
- Every function has a header comment describing the purpose of the function and arguments

Indentation and White Space (5)

In-line Comments and Overall Documentation (5) ***Important***

Consistent Use of Identifiers, program is Maintainable and Readable (5)