CS 247 Spring 2014
Assignment 1
Design and Programming-Style Marking Rubric

Q1: [20 marks] - Correctness (automarked)

Q1: [20 marks] - Design and Programming Style (subtractive marking scheme)
- 20 Modularity of ADT family: organization of code among base class and derived classes such that common code is in the base class and derived classes use the parent's code.
- 10 "Don't repeat yourself": Code that is at least 2 statements long, implements a coherent function, and appears in more than one place should be packaged as a helper function.
- 10 Information hiding: all data members should be private
- 10 Comments of variables, routines
- 5 Effective and correct use of dynamic memory allocation
- 5 Constants: use pneumonic constants, const parameters, const member functions
- 5 Static: use static data members and member functions where appropriate
- 5 Variable names (self-documenting)
- 5 Indenting

Q2: [35 marks] - Correctness
- 15 automarked test cases
- 20 manual inspection

Q2: [20 marks] - Design and Programming Style (subtractive marking scheme)
- 10 organization of code in classes / structs such that functions are associated with the data they manipulate.
- 10 "Don't repeat yourself": Code that is at least 2 statements long, implements a coherent function, and appears in more than one place should be packaged as a helper function.
- 10 Information hiding: all data members should be private; avoid global variables and functions
- 10 Comments of variables, routines
- 5 Effective and correct use of dynamic memory allocation
- 5 Constants: use pneumonic constants, const parameters, const member functions
- 5 Static: use static data members and member functions where appropriate
- 5 Variable names (self-documenting)
- 5 Indenting