Data Structures
Ch. 4 Practice Test

In order to prepare for the Ch. 4 Data Structures test:

1. Review the ADT's and implemented classes of Ch. 4 (i.e. stacks - vector & linked list implementations and queues - vector & linked list implementations). Be able to trace the member functions. Be able to write several important member functions and be able to fill in portions of code for some member functions. Be able to identify and explain characteristic of each data structure. Be able to identify and explain the advantages and disadvantages of each data structure.

2. Be able to explain the different characteristics between a "plain" vector implementation of a queue and a circular implementation of a queue.

3. Be able to define the Vocabulary Review terms at the end of the chapter. Also be able to use them in fill-in-the-blank questions.

4. Be able to convert infix, prefix, and postfix expressions.

5. Review all assigned homework exercises.

6. Skim or review Ch. 4 of the textbook, especially the Summary at the end of the chapter.