**Assignment 5**

**Problem**

Write a program that reads and writes a list of client accounts.

**Specification**

1. Download and use the [AccountRecordSerializable](file:///\\Client\courses\101056\files\21391855\download%3fwrap=1) class.
2. Use Gray's LinkedList class
3. Create a list of at least 5 client account records and do the following:

Display the entire list traversing head to tail.

Display the entire list traversing tail to head.

Display the list from indices 1 to 3 inclusive. (need to crate sublist, then display whole list)

Write the list to disk

1. Create a new list of client records and do the following:

Read the saved client records into this new list.

Display the entire list traversing head to tail.

1. Read section 5.7 Analysis and Measurement in the Gray text. Write a reflection paper summarizing this section by describing the tradeoff between flexibility and efficiency for the two implementations of the List ADT.

**Admin**

1. Grading

0 points if your program does not compile.

+5 for comments, indentation and placement of {} per [Style Guide](http://www.cs.slcc.edu/style-guide.shtml).

+5 for each specification met.

1. Submission:

An executable JAR file that also contains your .java source code files.

Your reflection paper saved in PDF format.

p. 300 – 301 may be a good example of displaying an entire list by traversing.

Section 5.4: help for saving to disk?

Section 5.5: doubly linked list implementation of list adt.

p. 292 and 293: complete list ADT specification.

Sublist p. 289, p. 296