COMP 203 Lab 4:

Queues

1. Implement Queue abstract data structure as a fixed size array like we learned in the class. You may choose your parameters for the methods. (50pt)

Implement generic ArrQueue class (10pt) and the following methods:

Enqueue (10pt)

Dequeue (10pt)

Size (5pt)

IsEmpty (5pt)

Test your Enqueue, Dequeue in main with integer data type. (10pt)

2. Implement Queue abstract data structure as Singly Linked List like we learned in the class. Remember in SLL we have only access to the head node. You may choose your parameters for the methods. (50pt)

Implement generic SLLQueue and Node class (10pt) and the following methods:

Enqueue (10pt)

Dequeue (10pt)

Size (5pt)

IsEmpty (5pt)

Test your Enqueue, Dequeue in main with integer data type. (10pt)