**605.202: Introduction to Data Structures**

**Christine Herlihy**

**Lab #4: Analysis Paper**

**Due Date: \_\_**

**Dated Turned In: \_\_\_**

**Lab #3 Analysis**

1. General Commentary

This project included five primary activities: (1) reading in an alphabetically ordered, but numerically unordered frequency table and sorting it in ascending order; (2) constructing a Huffman encoding tree using this sorted frequency table, and performing/printing the results of a preorder traversal of this tree; (3) encoding a series of strings included in the input file (additional test cases were added); (4) decoding the results of a series of binary strings included in the input file; and (5) sending the results to the output file in a clean and easy-to-read format.

1. Justification for Design Decisions

I used a

1. Lessons Learned

In this project,

1. Alterations to Consider in Future Iterations

In addition to maki

1. Issues of Efficiency

With respect to the question