# CS 400 HW 7&8: Huffman Coding

**Note**: for CS 400’s homework, you will need to

-Submit your solution (.cpp file) to the blackboard.

Question: Implement HuffmanCoding in C++.

work on CS400HuffmanCoding\_name\_WSUID.cpp:

- complete all the *TODOs*

// Huffman tree node

// Comparison struct for priority queue

// Function to build the Huffman tree

// Function to traverse the Huffman tree and generate codes

// Function to perform Huffman coding on the input string (encoding for hw7)

// Function to perform Huffman decoding on the encoded string (decoding for hw8)

-test your functions by using text code from main().