CS444 Spring 2025 Comment on proj1
CS Username: _____
Score out of 100 pts:_____

(1**5 pts) 1. Specific Technical Requirements for your files:**
a. (2 pts) You made a subdirectory proj1 in your course directory ____
b. (3 pts) You submitted .c file(s) for a C program <name>.c (not named huffman.c to avoid confusion)_____
c. (3 pts) Your program files, incremental files and supplied files are in proj1 or a subdirectory ____
d. (3 pts) You submitted an executable <name> that runs ____
e. (3 pts) You submitted a readMe.txt _____
f. (1 pt) You submitted a Makefile for <name>___

(**15 pts) 2. We recompiled your code**
a. (2 pts) We copied your files, recompiled your code and it matched your submitted executable ___
b. (3 pts) We submitted your code to moss and its similarity to other students' submissions is <45% ___
c. (3 pts) We ran your code with defaults for input and output files ___
d. (3 pts) We ran your code with command-line flags for debug, input and output ___
e. (3 pts) Your debug switch produces chars, freqs, codes and total bytes ___
f. (1 pt) Your code produces a <name>.out file ___

(**15 pts) 3. We checked your readMe.txt**
a. (5 pt) Your name is in your readMe.txt ___
b. (5 pts) You explained your incremental development including filenames ___
c. (5 pts) You listed the sources you consulted with author, title, date for books and journals and URL for internet sources ___

(2**0 pts) 4. We read your code**
a. (5 pts) Your name is in your code ___
b. (2 pts) Your code correctly reads in command line arguments or uses defaults ____
c. (2 pts) Your code is consistently indented ___
d. (2 pts) Names in your code are well-chosen ___
e. (2 pts) Comments are useful and do not just echo the next line of code ___
f. (2 pts) Your code uses fwrite to do binary writes to the output file ___
g. (3 pts) Using the examples in the MIT writing code reference, your code cites sources for code that is copied from the internet into your code or copied from internet into your code and modified ___
h. (2 pts) Each URL cited in your code is followed by an end marker so we can see where your own code resumes ___

(5 pts) 5. Code Walkthru Check

a. (5 pts) We checked your lists of sources in readMe.txt against the sources cited in your code and those in your code are a subset __

b. (0 pts) If needed, we asked for a code walkthru which you did for us ___

(**30 pts) 6. Output is correct**

a. (18 pts) diff of your <name>.out and instructor huffman.out shows no difference ____

b. (3 pts) Your frequency collection is correct ___

c. (3 pts) The total number of bytes in your single node Huffman tree is correct ___

d. (3 pts) The codes you list and bit counts for each code are correct ___

e. (3 pts) A hexdump -C on your output shows some file compression