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Project 2 Report

huff.c

Plan:
1. Read .txt file and create a node for every unique character with a weigh value on how often they appear in the file.
2. Sort the nodes in order by the weigh value from lowest to highest.
3. Connect the nodes in to a binary trees of balanced weights.
4. From the tree, return the binary sequence that the .txt file will become and the tree that converts the text into binary.

Problems: Finding a method to save all the unique nodes into the next function.
Solution: Save the nodes in a linked list, then sort the list later.

Issue: Properly writing and testing the code as it progresses.

Status: Unfinished.

Unhuff.c

Plan:
1. Read the binary file and use the binary tree to translate the file into text.

Problem: Transferring the saved binary tree from the independent “huff.c” program for “unhuff.c” to use.
Solution: Reference documents state that the tree is saved in a header file after compression.

Status: Not started

Reference Documents:

Lu, Yung-Hsiang. Intermediate C Programming.