

345 Group Project

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We split up the workload for this project as evenly as possible.

Madeline

- The part of the code I worked on the most was the PriorityQueue.java file. I wrote the basic implementation, and then everyone else helped me debug it. I also made a short video showcasing our code working. For the presentation, I made the graphs representing our test case results using R. I also made the slides analyzing those results.

Billy

- For this project, the code portion I worked on the most was creating the Huffman tree. I made sure that the test files were scanned and able to be used as inputs and helped to debug the overall project. For the presentation, I focused mostly on explaining the project in the beginning and describing how Huffman encoding worked.

Savannah

- For the code portion of the project, I helped mainly with the Huffman.java and Index.java files. In the Huffman.java file, I created the functions surrounding the encoding list as well as the encode and decode functions and the EncodingList class. I also worked partially on the Node class within the file. In index.java, I helped with some of the testing code. For the presentation, I helped with the slides related to the aspects of the code I worked on (ex. Decoding and encoding).

Julia

- For the code portion, I focused mostly on creating the GUI and making it work with the rest of the project. I created it so you can put in a string of inputs and the output will be in the console. For the presentation, I worked on the slides relating to the GUI and also worked on the slides relating to what we learned and a little about the time efficiency.

Any part of the project not mentioned above was worked on collaboratively where no single person could reasonably claim all of the credit. This includes writing the 100+ test cases, general debugging, and a small chunk of the presentation.