Project report

CSE 310 : Project 1 – Milestone

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# Introduction:

# The project goal is to implement variable length encoding and decoding algorithms and, in the process, understand these algorithms, evaluate the effectiveness and efficiency.

# Problems encountered:

* Some implementation bugs in merge sort, but resolved them after some debugging.
* Since I was developing on windows, and Gradescope uses Linux environment, there were some differences in internal memory management. Had to modify code to make it run cross platform.

# Known bugs/limitations:

* No known bugs/limitations found as of the latest submission.
* Testing was done using all provided files as well as some manually created test data of my own.

# Significant interactions:

* Mainly for the purpose of submission formats, search of external reference materials, technical issues, etc.

# Citations:

* <https://stackoverflow.com/questions/2481269/how-to-make-a-simple-c-makefile>
* <https://www.tutorialspoint.com/data_structures_algorithms/merge_sort_algorithm.htm>
* <https://www.learncpp.com/>
* <https://en.cppreference.com>

# Version control:

* <https://github.com/ninadgund/CSE310_Project_1.git>
  + (Repository is private as mentioned)
* Graphical user interface, application

  Description automatically generated
* Graphical user interface, text, application, email

  Description automatically generated