Hash Assignment Write-Up

This assignment was definitely more difficult than previous assignments. Implementing the hashing function to add items to the hashmap was a concept I struggled with for a while before I had a success. The breakthrough came by watching animations of hashmap insertions until I had a completely visual understanding of it. This required a lot more debugging println statements at nearly every step of insertion to work out all of the kinks. In the end, I screwed up adding to existing buckets. New buckets were being created, and duplicate keys were being updated, but buckets were limited to one item. Once I noticed that pattern, it was easy to fix. Hash 1 is the one currently in the submitted files as I tested it last. I ended up making a different to string function to make debugging it all easier.

Chart, bar chart, histogram

Description automatically generated

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