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**CMSC 204** 

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## **Learning Experience**

This project is about using linked lists and hash codes to create a concordance of all the words in a text. The main two classes that I had to code would contain the methods necessary for the program to count and order the list of words in the given text.

I think the hardest part about this project for me was with coding the ConcordanceDateStructure java file. Most of the methods in this class were either easy to code or just required a bit of trial and error dedication, but the most important part was what took me the longest to code. I was confused with the constructor code for *ConcordanceDataStructure(int num)*, and not having this coded first was a problem because I couldn't test the program without the constructor needed.

If I were to do this project again, I think I would like to spend more time on getting the constructors coded first so that as I gradually code the methods, I can test the program to make sure everything is working. Additionally, I had originally coded the Element class first. If I did the project again, I would code the Data Structure class first as well, since the entire program running depends on the constructor in that class.