

Montague Nagel
1 April 2020
Professor Alexander - CMSC 204

Assignment 4 - Experiences

I used collection-style for loops seriously for the first time. They are very convenient if you only need to iterate through the collection, one element at a time.

The assignment was good practice in implementing these loops as well as with practicing using data structures, such as hash tables, array lists, and linked lists. The assignment was also a refresher on the different String and Scanner methods that I looked up on the Java API.

For some time I struggled on filtering out the “small words” correctly. I found that when I built the concordance, there would be words that don’t exist in the English language. I realized my mistake was that I replaced all instances of i.e. “an” if I encountered it in the input. I had to redesign the program to instead look at each line of input separately, as an ArrayList of words. If a word was filtered, it would be removed. Then I reconstructed the line and added it to the output String. While this approach is more long-winded, it solved the issue by breaking down how input is handled.