**Enhancement Two Narratives**

1. Briefly describe the artifact. What is it? When was it created?

This artifact is from my CS320 class. We created this program to work to edit and read data from a file. We also implemented Junit tests to make sure our data met the correct formatting and contents. The program was created in January 2024.

1. Justify the inclusion of the artifact in your ePortfolio. Why did you select this item? What specific components of the artifact showcase your skills and abilities in algorithms and data structure? How was the artifact improved?

I really like this project without the enhancements. My first artifact was in the language of C. This artifact is in java which is my favourite language so far. This artifact also helps show my ability to run tests and access data structures such as linked lists, arrays and the like. I did not have much to improve on this program, so I made sure my formatting and naming were updated to best practices. I also added headers and more in line comments.

1. Did you meet the course outcomes you planned to meet with this enhancement in Module One? Do you have any updates to your outcome-coverage plans?

I believe that I met the course outcomes in this artifact that I planned it to represent. I wanted to show my ability to use tools and practices to deliver solutions and value to industry goals. I also planned to show a security mindset. I think I achieved these goals by using Junit tests and my access methods to improve the data quality and formatting.

1. Reflect on the process of enhancing and modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?

I remember this program being a challenge when I was creating it. I now see that the extra work I put in when originally cleaning up the project was very well done. I did not have much to add except for my usual shortcomings of not adding enough line comments, headers, and lack of clear variable names. These are now my main focus when programming to help round out my skills as a programmer.