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CMSC204

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Assignment 3 Lesson Learned

This assignment helped solidify my understanding of linked lists and inner classes. I did some research to help to improve my understanding of iterator during the process. The basic doubly-linked list was fairly easy to implement. What helped me a lot was to draw out the data structures and use arrows to show the process of the methods I needed to implement. I used the same method for the sorted linked list, and it greatly made the process a lot smoother as it was as difficult to keep track of all the pointers involved in adding and sorting nodes.

This project was very confusing as it had so many methods and an inner node class. I had problems with keeping track of what I was doing because of the same reason. I went through the provided test cases and the GUI to know if I was on the right track. The Outline window of the Eclipse is very handy and I wish I had opened it up earlier. The way exceptions were handled in this project was also new to me as we had been creating separate classes for all the exceptions in our previous projects.

In the end, my program satisfied all the given JUnit tests. I am happy with the output.