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cmsc204  Prof. Kuijt

assignment 3 implemtation

Screenshot of GitHub: A screenshot of a computer

Description automatically generated

Screenshot of JUnit tests: Graphical user interface, text, application

Description automatically generated

UML: Diagram

Description automatically generated

Lessons Learned:

What have you learned?

I learned more about how to make my own inner classes. I have never done inner classes, so I was interested in learning more about how and when to use them. I also learned a lot more on how to use linked lists and making double linked lists. I learned a lot from programming the methods that are utilized in linked list. I also gained a lot of experience with iterators and how to use them within a class and when to use them effectively. I gained more experience with debugging my code and trying to fix the errors I had while programming.

What did you struggle with?

I struggled with coding the remove and add methods. I didn’t understand how to implement the methods and I was also a very confused because I had to draw a picture and diagram to help me understand the algorithm. I also struggled with the JUnit tests. I believe I spent more time debugging my code and fixing my JUnit errors than programming. I was also confused with the iterators and had to do extensive research.

What would you do differently on your next project?

For my next project I would spend more time reading over the doc and asking questions. Another thing that I would do differently is to do some more research on iterators and linked lists, or the concepts that will be utilized in the assignment and to better understand them. By doing this, I think that I will be better prepared for writing the program.