

Project 6 Documentation

This project involved the implementation of two different ways to store groups of memory with two distinct and separate classes. This project involved a lot of functions to digest and the multiple source files were confusing as to what was the objective of this project was. After looking the project over a few times, I finally understood what to do and began work. The ArrayList class was the most sensible class to begin working on even though there was more classes to work with. One by one I began implementing the classes to work, starting with the simpler implementations like the constructors and the functions at the end. After a while the more complicated functions were needed like the insert and remove functions, but the implementation was easy enough. Soon enough, the ArrayList class was fully implemented and the NodeList class was next on the chopping block. This one gave me much more trouble as the major issue with the way this linked list was designed was there was no pointer that had the ability to go backwards in the list. That means that to remove or insert previous, there would have to be a counter to find the data, create another loop to go to the one before, and then do what was necessary to do for what the function asked. Just like ArrayList, I implemented the functions and operator overloads one by one until everything was finally working. If given more time, I should have definitely implemented more error prevention because many of the functions rely on the user to operate the class perfectly.

