**Proj8.cpp Documentation**

**NOTE: I worked on this project with 2 other people. Our code is slightly different but functions roughly the same. Let me know if you have questions.**

**Purpose:**

The purpose of this project was to be familiar with list based dynamic data structures.

**Design:**

The design of this project was not much different than other projects. Driver file was not given to us and we had to make it ourselves along with making the NodeList implementation and ArrayList while the DataType implementation was already made for us. A lot of this project was trial and error and figuring out how to get the project to work correctly. Me and a group of 3 people worked on the project together and so we have similar but different code. All which my function similarly.

**Challenges:**

This was one of the harder projects only because this is very conceptually based and now, we are diving into Data structures which is notorious for being a hard class. For this project, we came across and issues where the Testvalues2 were infinitely printed to the screen and we were running out of time to figure out why this was being caused. Unfortunately, the code does not break out of this loop.

**Changes:**

This project was hard to understand and figure out what we were really supposed to do. It would help tremendously if we had an example output in our project file to help us understand what the desired output should look like. Like I said in past projects, I am getting tired of conceptual projects and I learn better with projects that I am more interested in like calculators, tic tac toe, etc.

**Observations:**

Like I said before, our code complies but does not function at all. It prints the test values to the screen infinitely and does not complete the rest of the driver code/proj8. Me and my friends did not have enough time to debug and fix this issue. We suspected it has to deal with our method of allocating memory but are not sure, we are focused on turning this project in on time. ;(

