**Proj7.cpp Documentation**

**Purpose:**

The purpose of this project was to be familiar with dynamic memory allocation.

**Design:**

The design of this project was very new and not like past projects except for the driver class part. We had to build our own driver code to test our class implementation.

**Challenges:**

I would say that this was one of the easier projects that we had but unfortunately, I didn’t have much time to deeply understand how everything works and had to reach out to friends and Stack Overflow for help. I would like to revisit this code to relearn it.

**Changes:**

This project wasn’t as difficult as anticipated. The lack of time that I had made it difficult for me to make it work and I had to reach out to friends for help. Theirs and my code may seem similar, but I did have to receive help with it. I am starting to get tired of making projects around conceptual topics and I would rather start making projects that are cool, and useful that also use the topics that we have learned about. For example, how about a project where we must count how many files we have on our computer and in each directory and the total size. We would have to use dynamic memory allocation for this.

**Observations:**

I am not going to go too into detail with what I observed other than the code worked exactly as expected and printed out “Access successful” and not “Access successful (NOT)” at the end. This is the full print out here:

**$ ./output.exe**

**░≥**

**MyString parametrized constructor!**

**MyString parametrized constructor!**

**20**

**19**

**C-String equivalent successfully obtained!**

**Same success**

**Different success**

**Before assignment**

**After performing assignment**

**The first part and the second**

**Access successful**

I am not sure why I got a weird character at the beginning of my output, if someone could look at my code and explain why that would be great because I honestly do no know.

