

Noah Hoffman CS 202 Project 7 documentation sheet

Purpose:

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

Design:

The design with this project was different from the rest because we had to use dynamic memory allocation using the catch, throw, and try keywords. Allowing us to make exceptions. This is a very interesting tool for me because I could see so many uses for this.

Problems:

No problems from what I see !

Changes:

I spent a good amount of time and I am still learning dynamic memory allocation and how to implement this in my code. I am not going to go into detailed observation because it is not required in the project 7 folder. The code worked exactly as expected and printed out "Access successful" and not "Access successful (NOT)" at the end. So I would not change anything.

Output:

Testing Default ctor

Testing Parametrized ctor

Testing Copy ctor

Testing Dynamic Allocation with new / Deallocation with delete expressions

Testing Size and Length helper methods

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Testing c_str conversion helper method
C-String equivalent successfully obtained!

Testing Equality operator==
Equality: Same success
Equality: Different success

Testing Assignment operator=
MyString before assignment
MyString after performing assignment

Testing operator+
The first part and the secondignment

Testing operator[]
Access successful