

Christopher Eichstedt

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## Project 5

This assignment was a lot harder than I thought it was originally going to be. We were tasked with building our own string library, and then to create two different drivers to test it. This was especially difficult because I had failed to develop my own string concat in the previous assignment and had to start from scratch. Luckily, a student asked about it in lecture and I was able to grasp the idea. That said, I did run into another error this time and it is the same one I have struggled with most of the semester.

Time is never on my side, especially with all of my homework and studying outside of the class, I feel like I never have the right amount to perform the task and I honestly wish that we would get another week per project, even if it made it more difficult. Because of my mismanagement, I was unable to create the ideal ten string driver and it only retains the functionality to manipulate a few of them. More specifically: string compare, string concat, string copy can only work with the first two strings. Other than that, everything runs perfectly and deallocates all of the accessed memory.

I found the biggest challenge I had this time around, was working with classes and how you access the information. The more I learn about C++, the more sophisticated this language becomes and how it requires more finesse for some basic functions when using things like classes and structs. It took a long while to comprehend how to access parts of my custom class, and what goes where. Although, being able to build a library and utilize it indefinitely, is

extremely useful. I am grateful for learning how, rather than having to enter the same functions into every new main driver I create. All in all, I believe these projects to be a good challenge and a necessary exercise that will help my familiarity with programming in C++.