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Project 3 Documentation

For our third program, we were tasked with recreating project 2 using only pointers. The exclusion of arrays made this particularly difficult because pointers do not act similarly. Therefore, it required for a lot of additional work in order to pass certain values into elements and data types. I personally, spent a lot of my time trying to correctly pass the file information into the pre-defined structs. It also didn't help that I hadn't started the project until Sunday, and then hadn't touched it til Tuesday.

Rather than just copying and pasting the previous project, I decided to rebuild it from scratch. The layout is more or less the same but I took some liberties with small parts of my program. Using pointers did give some better perspective with passing by reference and passing by value. This was a concept that I struggled with in CS135 and I feel like I have a better grasp as to how it all works.

I regrettably spent too much time on the read file function of my program and didn't put enough effort into two other parts of my program. The read file, print file and available functions all work correctly. But the expensive function doesn't move past the first struct, and after multiple attempts I decided to go forward. The same for the estimate function, it suffers from the same issue so you can only access the first of three structs. If I had given myself more time, I would of figured out the issue and made the necessary changes. The mistake is all my own and I have learned a lot from this experience.

All in all, this project has been a big learning experience. One part being about how I dictate my time and fail to utilize it. And the other is being given a challenge and learning how to see things from a difference perspective. I am not entirely proud of my work, but I am confident in that from this project, I will learn to make better choices.