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Project 2

Purpose: The purpose of this program is to take in a file, given by the user, and do an array of things. The program begins by prompting the user to enter a file to gather data from. It then opens that file and stores the information into a struct with variables for each item. The program then opens a menu to allow the user to select from a few options. The first option prints the full list of cars, the second option prompts the user to enter a car number, and then asks the amount of days the user wants to rent the car for. It then prints the car chosen and the total cost for the amount of days. The third option then prints only the available cars to the user. Finally, the fourth option exits the user from the program.

Design: My overall design idea with this program was to use as many functions as possible to make the main function look cleaner. I used a while loop since the function needed a menu prompt and they are by far the better choice than a for loop. Also, for a few of my functions I passes variables by reference making it much easier to return values in mass quantity, therefore allowing me to make all my functions by void.

Problems (bugs): With this program, I had very few problems come up. The one issue I had was in the beginning when trying to find out how to get the array of structs to work. After looking this up, I had no problem getting the information into the struct and manipulating it the way I needed to.

Changes: If I could change anything in this program, I would add clear screens to my program to clear the screen when the user was done with one option and was moving on to the next option if they wanted to.