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Project 2 Documentation

The assignment for Project 2 was to create a program that could read in a file, and then use the information in specific custom functions. It also required the use of structs, more specifically was that it called for an array of them. The program's main purpose is meant to simulate a car rental service, that would give you multiple options regarding finite information taken from the aforementioned file. The array of structs had different values for: year, make, model, price and availability. The user would first have to load their file, before being able to continue. Otherwise, the program will just print out junk. We then would take that information and allow the user to: print all cars, estimate a rental cost, find the most expensive rental, find out which rentals were available and exit the program. The design of my menu used was a simple switch statement within my main function, that would call my custom secondary functions.

As far as bugs, there weren't many so much as I had issues with not following syntax sometimes. And I didn't have as big of an issue when it came to developing this program but I did find something that I struggled with. Which was "input validation"; currently the program functions normally, so long as the user adheres to the given information and loads the file correctly. Last semester we were told to not focus on input validation, unless specified in project, as that it can literally be time consuming to account for a large number for variables. I have looked through the project description and couldn't find anywhere it specified about "input

validation", so I hope that I do not lose any credit over it. I admit to it being a current weakness of mine, and I will work towards a remedy for future projects.

As it stands now, the program functions as intended and contains all of the necessities outlined in the project document. If I had more time, I would find a way to make sure the program doesn't run unless a file is opened. And I would make sure to find a form of input validation, regarding the "Estimated Rental Cost" function.