Noah Hoffman CS 202 Project 2 documentation sheet

Purpose:

The purpose of this program is to read a file imputed by the user. This file should have a list of cars on it and agency. It should have the year , make, model, price, and availability on it. The the program opens with a menu . On this menu you have 6 options: 1) Ask the user for the input file name, and then read ALLdata from that file.The data have to be stored into an array of structs. 2) Print out ALLdata for each of the cars to the terminal .3) Estimate car rental cost. 4)Find the most expensive Car–Print to terminal the single most expensive Car out of all 3 Agencies.5) Print out only the available Cars-from all Agencies, to a separate output file .6) Exit program. Another purpose of this project was to be familiar with file I/O, classes, constructors, and the use of pointers.

Design:

I made my menu by a while loop and only used functions to carry out everything that was asked. Also learning the classes and pointer was a little difficult. I layed everything up front with functions.

Problems:

the pointer arithmetic and algorithms were the hardest part of this project as well as understanding structs and getting them to work properly. I had a hard time figuring out the class section for the rental car and storing the values into the separate holders.

Changes:

I spent around 4 hours completing this program. There aren't a lot of changes I would make but maybe making a header file for the public class of rental cars.