Noah Hoffman CS 202 Project 4 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, sensors, and availability on it. The the program opens with a menu . On this menu you have 5 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)Finds the total amount of sensors. 4)Find the most expensive Car–Print to terminal the single most expensive Car asks if it would like to be rented and changes the availability of that car.5) Exit program. Another purpose of this project was to be familiar with file I/O, classes, constructors, and the use of pointers.

Design:

The design of this project was very hard for me. I had a lot of problems with constructors and figuring out how to store variables into the specific sections in the class with the sensors and brackets making it difficult. I put all my Agency.cpp , Cars.cpp, and Sensors.cpp into my proj4.cpp just to make things run altogether better.

Problems:

I had an unbelievably hard time getting this project to run smoothly. My biggest problems were how to read the data with the different sensors being in brackets and learning how to add up different objects made throughout the program ie. sensors!! I had a hard time with file io with the sensors and spent all my time on that.

Changes:

I spent hours and hours trying to figure out small problems on my own but just could not find out how to fix them. Therefore I had to wait for help from TA's the next day which really put me behind. Finally I got everything except for case for but hey it compiles !!!!!!