Project 4 Documentation

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The purpose of the program is to take in various names from a file and sort them by different standards. There can be no more than eight letters in a name and no more than ten names in a file. Once the program copies over the list of names, different functions will sort the names alphabetically and by length. The final task for the program is to print the data to the terminal and to an output file.

My biggest problem was passing the file information into my own data structures. This slowed me down as I continuously got segmentation faults or compiler errors due to this . I was unable to see if the rest of my code had errors because I could not get passed the first function. I also had trouble including the menu file in my project because I could not access my agency functions for some reason through the menu file. My greatest struggle was with the cmake file. I could not get it to work even though the rest of my project works fine. Another major problem I had was reading the sensors into the car array of the agency. For some reason the method I had would only work for 3/5 of the cars. I finally figured this problem out by scanning in the sensors during the loop instead of afterwards.

If I had more time I would try and figure out how to access the agency files through the menu file. Also I would figure out how to make a cmake file and implement all the moving parts. It was just too much to do in the time frame. I understand the intention of the cmake file but have no idea how to get there.