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● alyalasad@Alys-MacBook-Pro ~ % cd "/Users/alyalasad/Desktop/Spring 2023/CSCE 1101/Assignments/Assignment 3/" && g++ main.cpp -o main && "/Users/alyalasad/Desktop/Spr
ing 2023/CSCE 1101/Assignments/Assignment 3/"main
Reading Mechanic 1's name...
Reading Aly's Mechanic's ID...
Reading Aly's Age...

Person's name: Aly
Person's ID: 900225517
Person's age: 19
Data of Mechanic 1 taken...
Reading Mechanic 2's name...
Reading Joe's Mechanic's ID...
Reading Joe's Age...

Person's name: Joe
Person's ID: 900215614
Person's age: 24
Data of Mechanic 2 taken...
Reading Mechanic 3's name...
Reading Yass's Mechanic's ID...
Reading Yass's Age...

Person's name: Yass
Person's ID: 900822614
Person's age: 23
Data of Mechanic 3 taken...
Reading Mechanic 4's name...
Reading CHW's Mechanic's ID...
Reading CHW's Age...

Person's name: CHW
Person's ID: 176543211
Person's age: 62
Data of Mechanic 4 taken...

Reading Customer's name...
Reading Hus's ID...
Reading Hus's Age...
Reading the time to book? (hour minute):

Aly
Booked...

Reading Customer's name...
Reading Bob's ID...
Reading Bob's Age...
Reading the time to book? (hour minute):

Joe
Booked...

Reading Customer's name...
Reading Dan's ID...
Reading Dan's Age...
Reading the time to book? (hour minute):

Yass
Booked...

Reading Customer's name...
Reading Mo's ID...
Reading Mo's Age...
Reading the time to book? (hour minute):

CHW
Booked...

Reading Customer's name...
Reading Aut's ID...
Reading Aut's Age...
Reading the time to book? (hour minute):

Aly
Booked...

Reading Customer's name...
Reading Bil's ID...
Reading Bil's Age...
Reading the time to book? (hour minute):

Joe
Booked...

Reading Customer's name...
Reading AJ's ID...
Reading AJ's Age...
Reading the time to book? (hour minute):

Yass
Booked...

The mechanics schedule is as follows:
Name ID Mechanic Name Mechanic ID Appointment hour Appointment minute
Hus 9000222222 Aly 900225517 1 00
Bob 123456789 Joe 900215614 1 00
Aut 123498765 Aly 900225517 1 30
Dan 900228812 Yass 900822614 3 00
Bil 99213456 Joe 900215614 3 00
AJ 986754321 Yass 900822614 4 15
Mo 900367124 CHW 176543211 9 30

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○ alyalasad@Alys-MacBook-Pro Assignment 3 %

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Above is the output of the main.cpp file.

The code contains the comments on how each task was implemented.

First off, the system reads the mechanic's information until there are no more in the mechanics.txt file.

Then, it reads the customer's information until there are no more in the customers.txt file.

It displays to the customer who his mechanic is.

Lastly, after sorting customers according to their appointment, it displays each customer and their appointment time with their mechanic.