Bushra Nasser Al-Qahtani

Assignment 3 report

Report

The method used is files to take in the customers information and the mechanics information. The program works as follows:

1. Opens the file of the mechanics
2. Reads the first thing which is the number of mechanics and stores it in a variable
3. Creates an array for the mechanics with the size it got
4. Then stores the info of the mechanics starting with the name, age, ID, and it knows where to store it because in the text file its organized in this order
5. Closes the mechanics file
6. Prints the mechanics info
7. Opens the customers file
8. Reads the number of customers first then creates an array with that size
9. Reads the information of the customers then sorts them depending on their appointment then adds them to the queue
10. Using the queue the first in line in both queues will be matched unless the mechanic is unavailable in that time then the customer will go to the next available mechanic in the queue
11. A picture of the output⬇️

Graphical user interface, application, Word

Description automatically generated