**Report For the Assignment 3: Car Workshop**

By: Omar Badawy

ID: 900212151

Firstly: The Output of the Example made in the word document.

Text

Description automatically generated

As you can see the program outputs the problem correctly. As long as one mechanic has approximately 1 hour before and after an appointment given to them, they can have more than one customer. However, when there’s a customer that collides with one of their times they get taken to the following mechanic in the array and so on.

Secondly: How the files look like

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

I could not implement the way the bonus was asked for in the assignment, however, I did make it store the information into two separate text files. One text file for mechanics and the other for customers.

Thirdly: The Error output

Text

Description automatically generated

Here we find the error where the mechanics are working/unavailable for customers that have similar time scheduling. As I said it must be a minimum of an hour for a mechanic to be available else it will display “No Mechanics Available for customer x”.