**Final project**

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**Auto Parts Management System**

In this document screenshots of the running program are attached and also challenges and difficulties are mentioned.

**Difficulties:**

First difficulty was choosing a unique project, since most of the students had chosen their projects, so it was really difficult to find a project that must be unique.

Second difficulty was, which modules should be there in project so that we can implement at least 4 design patterns.

Third difficulty was, how to start implementation, which thing should be done first.

Fourth difficulty was, for which module each design pattern we need to use.

I cover up all these difficulties by taking help from YouTube lectures and take assistance from the other resources, but at the end I am happy that I went through all the difficulties and be able to implement the right thing.

**Screenshots of output:**

Enter username and password to proceed:

A picture containing table

Description automatically generated

Main menu has 4 options:

Text

Description automatically generated

Select option 1:

Text, letter

Description automatically generated

Enter 1 to view Inventory:

Table

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Enter 2 to add items to inventory:

Text

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Select option 2 from menu to sell available auto parts, Enter ID and price of auto parts:

Table

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Select option 3 from menu to see the total income:

Text

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Select option 4 to exit:

Text

Description automatically generated