OOPS PROJECT REPORT

☺ GROUP MEMBERS - Group 19:

❖ B.HAVILAH -S20210020262

❖ CH.RASAGNA SRI -S20210020264

❖ G.ABHINAY TEJ- S20210020272

❖ K.ADHITYA -S20210020286

PROJECT 1

PERSONAL DIARY MANAGEMNT SYSTEM

The main object of this project is user can keep their personal record like they do in a diary which is password-protected. You can keep records of important things you do in your daily life, like meetings and various other to do tasks. You can organize your schedule as well as view some particular entry of a particular date or time. In this console application, you can add, view, edit and delete records. Records can be added with information such as about your day , tasks, important meetings, time and event etc.

Methodology Implemented:

First we have approached this project with the idea of a personal diary with modules of adding record, view and modify record and we implemented this as a password-protected diary which implies to data hiding concept. Only three trails are allowed to access each module. User will give input in each module like adding notes, to do tasks, personal information etc and without using database we used file to store information.

Contribution:

We have divided our projects as 2 members for personal diary project and 2 members for music store project.

So, the contributions for project 1 are:

1.Abhinay tej - S20210020272

-wrote the Modules Add record, View record.

2. Rasagna sri -S20210020264

-wrote the Modules Modify record, delete record, Edit password

• We used oops concepts like Class and objects, Data hiding, File handling in this project. • The data we enter in the diary is stored in a file. We used hex editor in vs code to decode the whole text by using binary format.

Result:

This is the Main menu which consists of 5 Modules add record, view record, Modify record, delete record and edit password.

```
        ************************************
        PASSWORD PROTECTION PERSONAL DIARY
        ************************************

        MAIN MENU:
        ----------------


        ADD RECORD      [1]
        VIEW RECORD     [2]
        MODIFY RECORD   [3]
        DELETE RECORD   [4]
        EDIT PASSWORD   [5]
        EXIT            [6]

        ENTER YOUR CHOICE:_
```

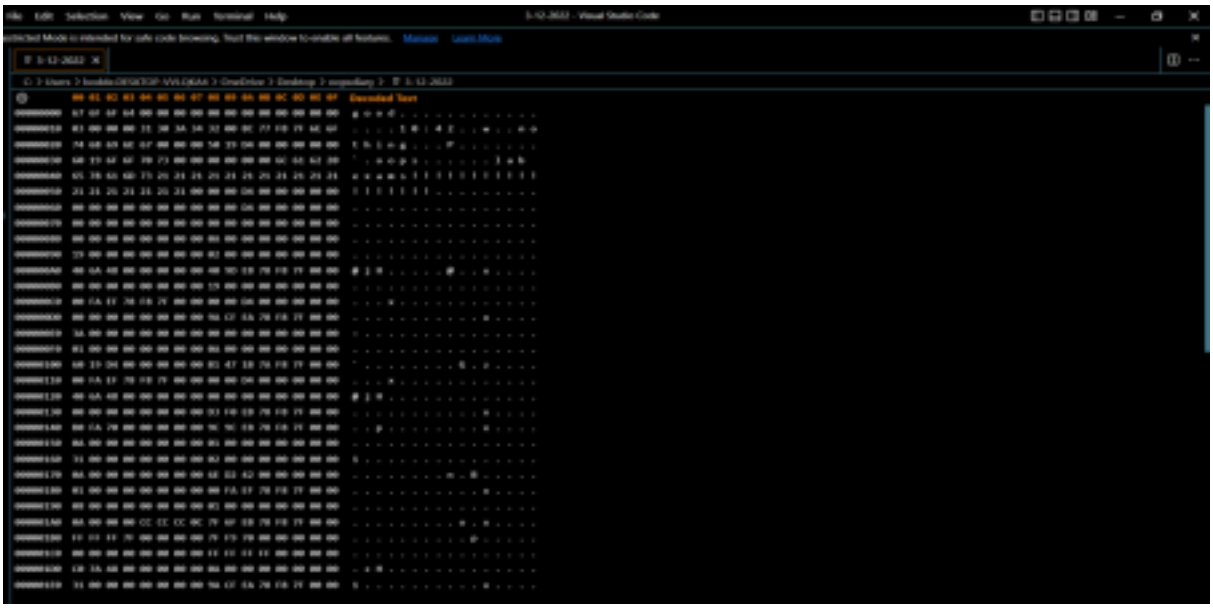
View record module:

```
        HOW WOULD YOU LIKE TO VIEW:

        1.WHOLE RECORD OF THE DAY.
        2.Record of fix time.
                ENTER YOUR CHOICE:1

THE WHOLE RECORD FOR:3-12-2022

TIME:10:42
ABOUT YOUR DAY:good
IMPORTANT MEETINGS:nothing
TO DO TASKS FOR TOMORROW:oops
NOTE:lab exams!!!!!!!!!!!!!!!!!!!

WOULD YOU LIKE TO CONTINUE VIEWING..(Y/N):
```

Edit password Module:

```
::FOR SECURITY PURPOSE::::ONLY THREE TRIALS ARE ALLOWED::

        ENTER THE PASSWORD: *******

        ACCESS GRANTED...


        ENTER THE NEW PASSWORD:*******
        CONFIRM PASSWORD:*******

        PASSWORD CHANGED SUCCESSFULLY.

        PRESS ANY KEY TO CONTINUE..._
```

This is the file whose name will be automatically saved as the date which we give as inputs. The information is stored in it. we opened through this using hex editor which decodes the text corresponding to the binary format.



Conclusion:

We have achieved the things which we promised during the mid project evalution. We tackled all the problems and challenges which we faced during making this project and succesfully executed the program and attained the output.

PROJECT 2

MUSIC STORE MANAGEMENT SYSTEM

The main objective Music store Management System is that it have to manage various musical instruments comes with number of models and variety. Maintaining all these records and making updates regularly such as its selling price, number of items available per items, entering their cost price etc was not an easy task manually. As customers also do not able to search any particular item based on their required model and product name along with their manufacturing and brand details.

Methodology/logic Implemented:

First, we approached this project with an idea of a music store where a customer can buy various types and varieties of musical instruments .and this application will be managed by the admin/owner of the music store to handle the store through modules which displays such as the items in stock, sold items, add new instrument, remove instrument etc.so we gave each instrument it's id ,type ,brand, name, price and quantity in database tables. we implemented each module and connected it with the database using global variables and MYSQL header files. So when admin/customer makes his choice gives the input it will be parallelly stored in database.

Contribution:

We divided this project into work of 2 members:

1.Havilah-S20210020262

-wrote the Modules Add new instrument, find music instruments, edit item, remove

item. -connected the MYSQL database and the main project code

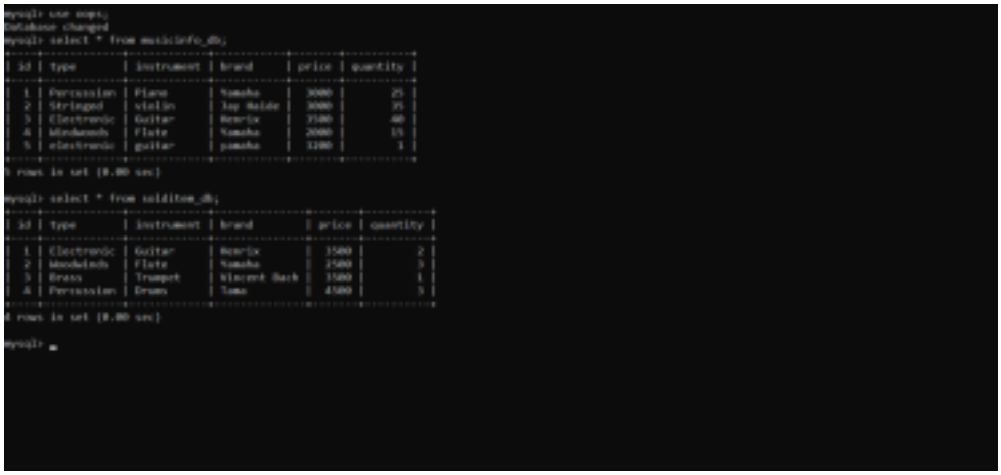
2.Adithya -S20210020286

-wrote the Modules Sold items, Items in stock, Show all Items, Create Order.

-created the tables for databases(musicinfo_db, solditeminfo_db)

- We created class db_resonse which contains the connection for databse .
- We used oops concepts like Class, Exception Handling,
- We used MYSQL Database to store the information/data of the music store . We used MYSQL workbench to create tables and MYSQL command line to display the database.

Result:



Conclusion:

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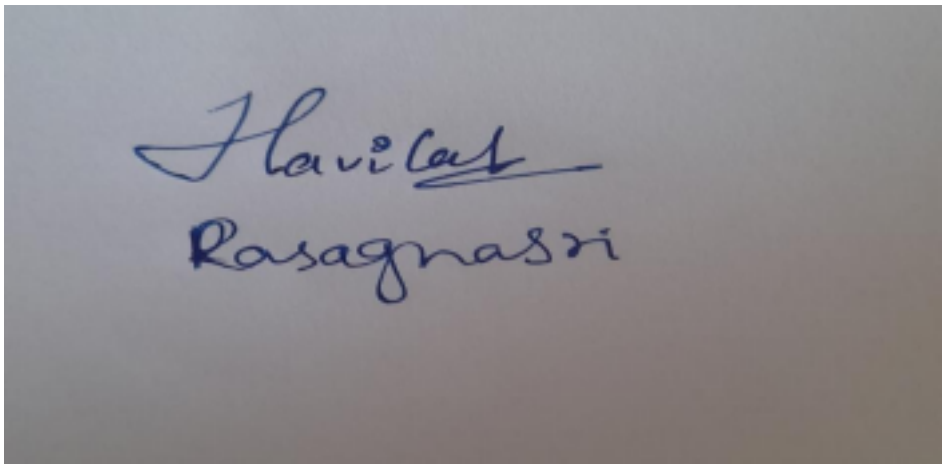
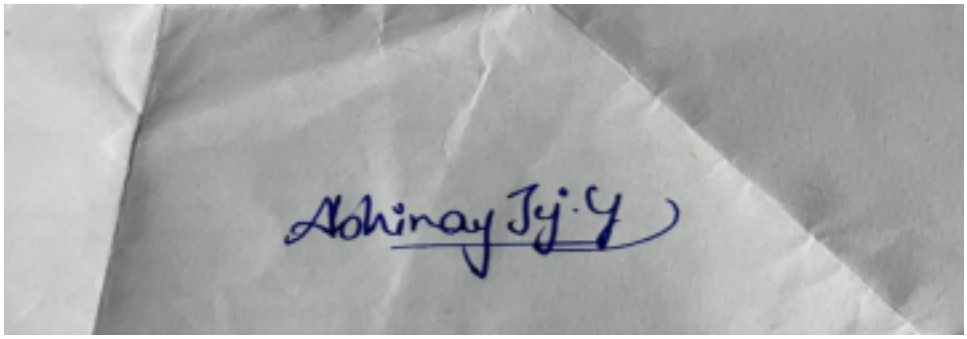
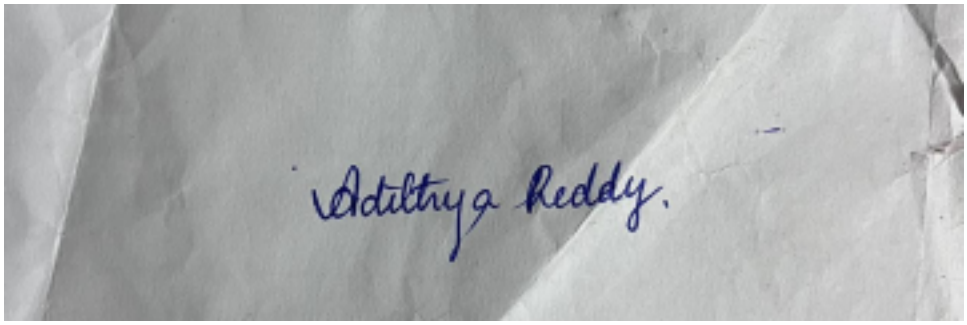
Signs of group Members:


Havi Cat
Rasagnasri


Abhinay Jyothi Y


Adithya Reddy.