DISPENSARY MANAGEMENT SYSTEM

SUBMISSION DEADLINE January 31, 2021

PROJECT STATEMENT

Implementation of file handling and class based Dispensary Management system.

IMPLEMENTATION DETAILS

1. Drug Class:

You are required to implement a Drug class with following data members and functions.

a) Data Member are drug name and id.

b) Member functions in this class are following:

- Getdata function to accept data from user.
- Showdata function to show data on screen.

```
class drugs
{
 protected:
char drug_name[20];
 char id[7];
void Getdata()
{
}
void Showdata()
{
}
 } ;
```

2. Database class:

This Class is inherited from the Drug class.

Data Members are sale price, purchase price, profit, total amount of drugs, amount sale, amount left, manufacture and expiry dates for validity period and input file for reading and writing.

- Input File (Read input file here with name, id, sale and purchase prices, manufacture and expiry dates, amount left, amount sale and total number of drugs)
- Profit calculate the profit of drug pill by formula (profit= sale price- purchase price)
- Left Amount function that show how much amount has left by formula (Amount left= total number of drugs – Amount Sale).

- Validity Period calculate the validity of drug pill by formula (validity= expire - manufacture date)

FUNCTIONALITY OF THE DESIRED CODE:

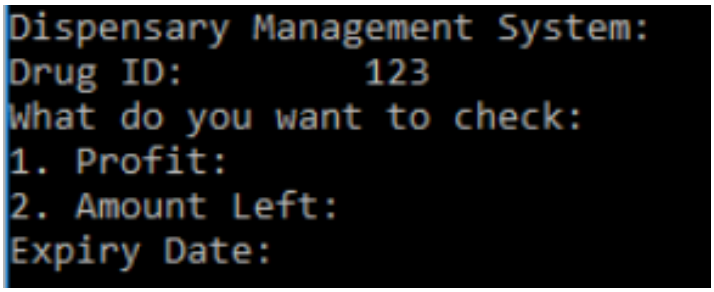
Program should be menu driven and interact with the user at each step. Program illustrate read, search, modify and delete operations in binary file. All the modules of the system and their working is explained further in the document.

- Profit function to calculate, read and write Profit in text file
- Amount Left function to read and write all records from text file
- Validity Period function to find validity period.

Note: Header file used for reading and writing files is #include<fstream.h>

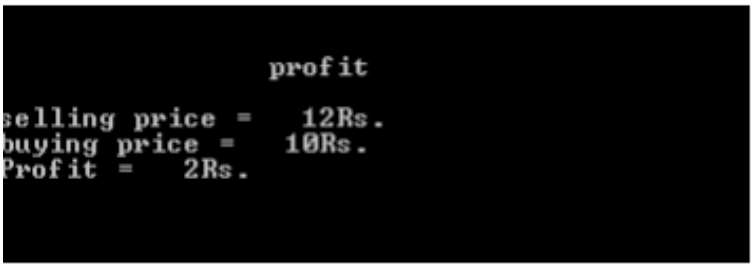
SAMPLE OUTPUTS:

Sample outputs of the program are:
Main Screen:



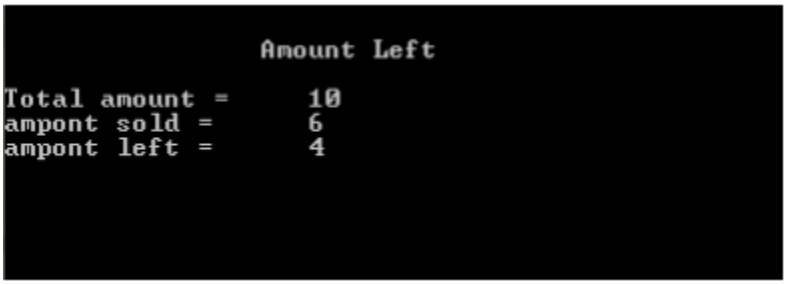
1. Profit details:

This functionality should display the profit obtained in each medicine / pill



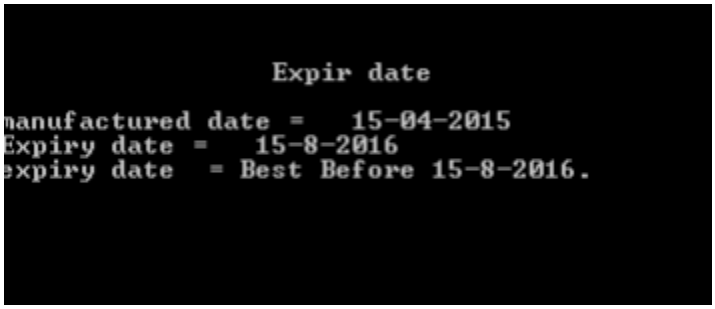
2. Remaining amount:

Amount left.



3. Expiry Date Checking:

Check whether drug is expired or not



4. Exit:

This will exit you from the system

INSTRUCTIONS FOR IMPLEMENTATION:

1. The entire program has to be menu driven. (Keep the menu simple but attractive)

2. When program starts the user should be able to view the Main Menu and from there the user should be able to move to the sub-menus.

3. Use the object oriented programming concepts and file handling.

4. Be careful regarding the code clarity (Proper variable names, spacing and

Indentations).

5. User interface must be friendly.

6. Be CREATIVE and try to implement it with your own ideas.

SUBMISSION GUIDELINES:

- Submit your work in zipped form
- Name of the file should be OOP_Project_<yourRollNumber>
- ZERO credit for plagiarism (cheating). There will be zero tolerance for cheating
- Code must be fully commented.
- The zipped file must contain ReadMe.txt to show how to run your code.
- Each stage of the project has value; so do not overlook any single section.