# MEDICINE PURCHASE SYSTEM

Object Oriented Programming with C++ Assignment

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# ABOUT THE SYSTEM

The "Medicine Purchase System", a C++ based project, has distinct "portals" for the customer and the owner. Various distinct functionalities have been made available through each of these portals.

There is a total of three databases available for the functionalities of the program. These include the following:-

- Database 1: "AllOrders.txt" has the details of all the fulfilled as well as the unfulfilled orders
- Database 2: "PendingOrders.txt" has the details of the pending orders only
- Database 3: "AvailableMedicines.txt" holds the details of all the (currently) available medicines.

#### **FUNCTIONALITIES AVAILABLE**

#### **The Customer Portal**

A customer has the following facilities:

- Viewing the list of available medicines
- Searching for the availability of a particular medicine
- Placing order

- Viewing their order details by providing order number
- Viewing the contact information of the store.

The order number here, is generated automatically.

#### The Owner Portal

Accessing the "Owner Portal" and any of its functionalities requires the entry of correct password. It makes the following functionalities available to the user:

- Viewing the list of available medicines
- Searching for the availability of a particular medicine
- Adding or modifying medicine details
- Deleting medicine details
- Searching order by order number or by customer name
- Viewing the details of pending orders
- Viewing the details of all the orders (fulfilled + unfulfilled)
- Deleting the records of fulfilled orders.

#### **CONCEPTS USED**

The "Medicine Purchase System" uses the following main concepts:-

- Classes
- Objects
- Constructors
- Functions
- Polymorphism (through Overriding)
- Inheritance
- File Handling
- Dynamic Sized Arrays (in the form of vectors)

### SOURCE CODE OF THE SYSTEM

```
#include <iostream> // For general input-output
#include <conio.h> // For getch()
#include <string> // For string operations
#include <fstream>
               // To Read from or Write into an External File (Database)
#include <ctime>
              /* For the time() Function, Which Returns a time_t Value
that Varies All the Time, and hence, the "pseudo-random" Number Varies for
Every Program Call. Also used for getting the current date and time from
the system to store with the details of the placed orders.*/
#include <cstdlib>
               /* For the srand() Function used to Generate a Random
"Order Number" for Each Order. The srand() Function Sets the Starting
Point for Producing a Series of "pseudo-random" Integers. */
#include <ctype.h> // To use the isdigit() Function
using namespace std;
```

```
class System
       public:
            void MainMenu();
           void CustomerMenu();
            void OwnerMenu();
            void StoreContactInfo();
           void DisplayMed();
           void SearchMed();
           void PrintBill();
           void SearchOrder();
   };
class Customer : public System
      string CustomerName, CustomerAddress, DoctorName, CustomerContactNo,
OrderDateTime;
       int CustomerAge, TotalPrice;
       long long OrderNumber;
       char CustomerGender;
       vector <string> MedicineName;
      vector <int> MedicineOty;
       vector <int> MedicinePrice;
       public:
          Customer()
             CustomerName=CustomerAddress=DoctorName=CustomerContactNo="";
             CustomerName="";
            CustomerAge=TotalPrice=0;
          void GetData();
          static long long GetOrderNumber();
          void PutData();
         void PrintBill();
          static string GetOrderDateTime();
   };
class Owner : public System
     string Password;
      public:
          Owner() { Password = "Admin@XYZ.Medicals"; }
          static bool CheckPwd();
          void DeleteData(int);
         void ViewOrders(int);
         void SearchOrderMenu();
         void SearchOrder();
         bool Add_Modify_MedDetails();
```

```
void System::MainMenu()
     int choice;
    do {
        system("cls");
        cout<<endl<<"*************** WELCOME TO XYZ MEDICALS *
<<endl<<"---->> MAIN MENU <<-----
      -----"<<endl;
       cout<<endl<<"Select one of the following (please enter the option</pre>
number)"

    Customer Portal"
    Owner Portal"

           <<endl<<"
           <<endl<<"
           <<endl<<
                        Contact Us"
                        4. Exit"
           <<endl<<"
           <<endl;
        cin>>choice;
        cout<<endl<<endl;</pre>
        switch(choice)
              case 1: CustomerMenu();
                    break;
              case 2: if(Owner::CheckPwd())
                        OwnerMenu();
                    break;
              case 3: StoreContactInfo();
                    break;
              case 4: exit(0);
                    break:
              default: cout<<"Invalid Choice! Please Re-Enter.";</pre>
      cout<<endl<<"<---- Press Enter to Continue ---->";
       int key=getch();
     }while(choice!=4);
void System::OwnerMenu()
     int choice;
    Owner temp;
    do {
       system("cls");
       <<endl<<<"----> Owner MENU <<-----
         -----"<<endl;
       cout<<endl<<"Select one of the following (please enter the option</pre>
number)"
```

```
<<endl<<"

    View Medicines Inventory"

             <<endl<<"
                             2. Search for a Medicine in Inventory"
             <<endl<<"
                             3. Add Medicines in Inventory"
             <<endl<<"
                             4. Delete Medicines from Inventory"
             <<endl<<"
                             5. Modify Details of Medicines in Inventory"
                              6. View All Placed Orders (Complete Database:
             <<endl<<"
 Fulfilled + Unfulfilled Orders)"
             <<endl<<"
                              7. Search for a Customer's Order in Complete
Database"
             <<endl<<"
                              8. View Pending Orders"
                             9. Delete Fulfilled Orders"
             <<endl<<"
             <<endl<<"
                             10. Back to Main Menu"
             <<endl:
          cin>>choice;
          cout<<endl<<endl;</pre>
          switch(choice)
                 case 1: DisplayMed();
                         break;
                 case 2: temp.SearchMed();
                         break;
                 case 3: if(!temp.Add_Modify MedDetails())
                              cout<<"\nRecord Added Successfully!";</pre>
                          else
                              cout<<"\nThere was a pre -</pre>
existing record for the given medicine name. That record has been updated
with the new data (item and quantity)";
                         break;
                 case 4: temp.DeleteData(1);
                         break:
                 case 5: if (temp.Add_Modify_MedDetails())
                              cout<<"\nRecord Modified Successfully!";</pre>
                         else
                             cout<<"\nNo record for the given medicine name</pre>
was found in the database. The medicine details have been added as a new
record.";
                             break;
                    case 6: temp.ViewOrders(1);
                             break;
                    case 7: temp.SearchOrderMenu();
                             break;
                    case 8: temp.ViewOrders(2);
```

```
break;
                 case 9: temp.DeleteData(2);
                          break;
                 case 10: MainMenu();
                          break;
                 default: cout<<"Invalid Choice! Please Re-Enter.";</pre>
          cout<<endl<<"<---- Press Enter to Continue ---->";
          int key=getch();
       }while(choice!=10);
void System::SearchOrder()
      fstream AllOrdersDatabase;
      AllOrdersDatabase.open("AllOrders.txt", ios::in);
      string line, SearchStr, SearchNo;
      bool IsFound = false;
      if(AllOrdersDatabase.fail())
          cout<<"Sorry! File not found";</pre>
             cout<<"Please enter the order number: ";</pre>
             cin>>SearchNo;
             SearchStr = "Order Number: " + SearchNo;
             while (!AllOrdersDatabase.eof())
                      getline(AllOrdersDatabase, line);
                      if (line==SearchStr)
                            while(line!="**********************
*****")
                                    cout<<line<<endl;</pre>
                                    getline(AllOrdersDatabase, line);
                             IsFound = true;
                             break;
             if (!IsFound)
                 cout<<"Sorry! Record not found.";</pre>
       AllOrdersDatabase.close();
   }
```

```
void Owner::ViewOrders(int file)
      fstream Db;
      if (file==1)
          Db.open("AllOrders.txt", ios::in);
      else
          Db.open("PendingOrders.txt", ios::in);
      string line;
      if(Db.fail())
          cout<<"Sorry! File not found.";</pre>
      else
             while (!Db.eof())
                      getline(Db, line);
                      cout<<line<<endl;</pre>
      Db.close();
void Owner::SearchOrderMenu()
      int choice;
      do{
         system("cls");
         cout<<"(Please Enter the Option Number):-"</pre>
             <<endl<<"\t1. Search Order By Order Number"
             <<endl<<"\t2. Search Order By Customer Name"
             <<endl<<"\t3. Go Back to The Owner Portal"
             <<endl;
         cin>>choice;
         cout<<endl;</pre>
         switch(choice)
               case 1: System::SearchOrder();
                       break:
               case 2: Owner::SearchOrder();
                       break;
               case 3: OwnerMenu();
                       break;
              default: cout<<endl<<"Invalid Option! Please Re-Enter.";</pre>
         cout<<endl<<"<-- Press any key to continue -->";
         int key=getch();
      } while (choice!=3);
```

```
void Owner::SearchOrder()
     fstream AllOrdersDatabase;
     AllOrdersDatabase.open("AllOrders.txt", ios::in);
      string line, SearchStr, SearchNm;
     bool IsFound = false;
      getchar();
      if(AllOrdersDatabase.fail())
         cout<<"Sorry! File not found.";</pre>
     else
         cout<<"Please enter the customer name: ";</pre>
         getline(cin, SearchNm);
         SearchStr = "Customer Name: " + SearchNm;
         while (!AllOrdersDatabase.eof())
              getline(AllOrdersDatabase, line);
              if (line==SearchStr)
                  cout<<line<<endl;</pre>
                       getline(AllOrdersDatabase, line);
                  IsFound = true;
                  break;
        if (!IsFound)
           cout<<"Sorry! Record not found.";</pre>
     AllOrdersDatabase.close();
void Owner::DeleteData(int file)
     string line, Search, SearchStr;
     bool IsFound=false;
     fstream OldDb, NewDb;
     if (file==1)
         OldDb.open("AvailableMedicines.txt", ios::in);
                                        // Opening Database in "Read" Mode
     else
         OldDb.open("PendingOrders.txt", ios::in);
                                        // Opening Database in "Read" Mode
     if(OldDb.fail())
         cout<<"Sorry! File not found.";</pre>
```

```
else
            getchar();
            if(file==1)
                 cout<<"Please enter the medicine name: ";</pre>
                 getline(cin, Search);
                 SearchStr = "Medicine Name: " + Search;
            else
                 cout<<"Please enter the order number: ";</pre>
                 cin>>Search;
                 SearchStr = "Order Number: " + Search;
            OldDb.seekg(0, ios::beg);
                          // Set the file pointer to the beginning position
            NewDb.open("TempDb.txt", ios::out);
               // Creating and Opening New Database in "Write/Append" Mode
            while (getline(OldDb, line))
                  if (line==SearchStr) // Condition helps skip selected
 value from entering new database (data thus deleted)
                        while(line!="")
                           getline(OldDb, line);
                        IsFound=true;
                  else if (line!=SearchStr) // Condition helps write the
remaining values into new file
                        while(line!="")
                              NewDb<<li>ine<<'\n';  // Store line to new</pre>
database
                               getline(OldDb, line);
                        NewDb<<'\n';</pre>
           if (!IsFound) // if IsFound = false
               cout<<"Sorry! Record not found.";</pre>
           else // "if (IsFound)" Condition
               cout<<"Record Deleted Successfully!";</pre>
           NewDb.close();
        OldDb.close();
```

```
if (file==1)
            remove("AvailableMedicines.txt");  // Deleting Old Database
            rename("TempDb.txt", "AvailableMedicines.txt");
                                                   // Renaming New Database
      else
            remove("PendingOrders.txt"); // Deleting Old Database
            rename("TempDb.txt", "PendingOrders.txt");
                                                   // Renaming New Database
bool Owner:: Add_Modify_MedDetails()
     system("cls");
     string nm, line, SearchStr;
     int qty, p;
     bool IsFound=false;
     cout<<"\nPlease enter the following details:-";</pre>
     cout<<"\n\nMedicine Name: ";</pre>
     getchar();
     getline(cin, nm);
     cout<<"Quantity: ";</pre>
     cin>>qty;
     cout<<"Price: ";</pre>
     cin>>p;
     SearchStr = "Medicine Name: " + nm;
     fstream OldDb, NewDb;
     OldDb.open("AvailableMedicines.txt", ios::in);
                                         // Opening Database in "Read" Mode
    OldDb.seekg(0, ios::beg);
                          // Set the file pointer to the beginning position
  NewDb.open("TempDb.txt", ios::out);
                // Creating and Opening New Database in "Write/Append" Mode
    while (getline(OldDb, line))
       if (line==SearchStr) // Condition helps skip selected value from
 entering new database (data thus deleted)
                while(line!="")
                   getline(OldDb, line);
                 IsFound=true;
```

```
else if (line!=SearchStr) // Condition helps write the remaining
values into new file
              while(line!="")
                   NewDb<<li>ine<<'\n'; // Store line to new database
                   getline(OldDb, line);
              NewDb<<'\n';
         }
    NewDb<<"Medicine Name: "<<nm
        <<"\nAvailable Quantity: "<<qty
         <<"\nPrice per Strip/Bottle: "<<p
         <<"\n*********\n\n":
   OldDb.close();
   NewDb.close();
   remove("AvailableMedicines.txt");  // Deleting Old Database
   rename("TempDb.txt", "AvailableMedicines.txt");
                                             // Renaming New Database
   return IsFound;
bool Owner::CheckPwd()
    Owner temp;
    string Pwd;
    bool CheckPwd;
    char ch;
    system("cls");
    getchar();
    cout<<"Enter Password: ";</pre>
    ch = getch();  // Get(input) the First Character/Key
    while(ch != 13)  // Loop until "Enter" key is pressed
       if (ch==8)  // If the key pressed is "Backspace"
          cout<<'\b'; // To remove a star displayed at the end: what</pre>
the "Backspace" key usually does
```

```
// If the key pressed is not "Backspace"
      else
            Pwd.push_back(ch);
                      // Store (append) the character into the Pwd string
                          // Display "*" (i.e., the "Encoded Character'
 of entered password)
        ch = getch();  // Get(input) the next Character/Key
   if(Pwd==temp.Password)  // If they match
     return true; // return true (Access to Owner Portal Approved)
   else
              // If they do not match
        cout<<endl<<"Sorry! Invalid Password. You can't access the Owner</pre>
Portal.";
      //Message to let user know that the password they enter is incorrect
      return false; // return false (Access to Owner Portal Denied)
void System::SearchMed()
     fstream MedsDatabase;
    MedsDatabase.open("AvailableMedicines.txt", ios::in);
     string line, SearchMedName, SearchStr;
     bool IsFound = false;
     getchar();
     if(MedsDatabase.fail())
      cout<<"Sorry! File not found.";</pre>
     else
         cout<<"Please enter the medicine name: ";</pre>
         getline(cin, SearchMedName);
SearchStr = "Medicine Name: " + SearchMedName;
         while (!MedsDatabase.eof())
              getline(MedsDatabase, line);
              if (line==SearchStr)
                  cout<<line<<endl;</pre>
                        getline(MedsDatabase, line);
                  IsFound = true;
```

```
break;
        if (!IsFound)
            cout<<"Sorry! Record not found.";</pre>
    MedsDatabase.close();
void System::DisplayMed()
    system("cls");
    ifstream Inventory;
    string line;
    Inventory.open("AvailableMedicines.txt");
    if(Inventory.fail())
       cout<<"Sorry! File not found";</pre>
    else
       while (!Inventory.eof())
             getline(Inventory, line);
             cout<<line<<endl;</pre>
    Inventory.close();
void System::CustomerMenu()
    int choice;
    Customer temp;
        system("cls");
        cout<<endl<<"KINDLY NOTE:-"</pre>
         <<endl<<" 1) All your orders will be delivered to your address
within 12 hrs. Payment to be given on successful delivery."
            <<endl<<" 2) Kindly note down your order number for future</pre>
references. A bill can be generated only through your order number on plac
ing order, if required. "
            <<endl<<" 3) You will be notified about unavailability/inad</pre>
equacy and alternate arrangement of any of the ordered medicines within 2
```

```
<<endl<<" 4) Since this system is under development, we cur
rently do not provide the option to modify/cancel a placed order through o
ur system."<<endl<<" Any such requests must be made to the shop throu
gh call/mail within 6 hours of order placement."
            <<endl<<endl<<"Kindly bear with us! Thank you!"
            <<endl<<endl;
               cout<<endl<<"-----
>> CUSTOMER MENU <<---"<<endl;
               cout<<endl<<"Select one of the following (please enter the</pre>
 option number)"
                   <<endl<<"

    View Available Medicines"

                   <<endl<<"
                                 2. Search for the current availability
of a medicine"
                                 3. Place Order"
                   <<endl<<"
                   <<endl<<"
                                 4. View Order Details"
                   <<endl<<"
                                 5. View Store Contact Information"
                   <<endl<<"
                                 6. Back to Main Menu"
                   <<endl;
               cin>>choice;
               cout<<endl<<endl;</pre>
               switch(choice)
                   case 1: DisplayMed();
                           break;
                   case 2: SearchMed();
                           break;
                   case 3: temp.GetData();
                           break;
                   case 4: SearchOrder();
                           break;
                   case 5: StoreContactInfo();
                           break;
                   case 6: MainMenu();
                           break:
                   default: cout<<"Invalid Choice! Please Re-Enter.";</pre>
           cout<<endl<<"<---- Press Enter to Continue ---->";
           int key=getch();
       }while(choice!=6);
```

```
void System::StoreContactInfo()
        system("cls");
        cout<<"Contact Us:-"</pre>
            <<endl<<" Email ID: XYZMedicals@example.com"
            <<endl<<" Website: http://www.XYZMedicals.com"
            <<endl;
void Customer::GetData()
        system("cls");
        int i, mp;
        Customer temp;
        char ch=' ';
        temp.OrderNumber=GetOrderNumber();
        temp.OrderDateTime=GetOrderDateTime();
        cout<<endl<<"Please enter the following details (press enter after</pre>
 entering each value):-";
        getchar();
        cout<<endl<<"Patient Name: ";</pre>
        getline(cin, temp.CustomerName);
        cout<<"Patient Age (years): ";</pre>
        cin>>temp.CustomerAge;
        cout<<"Patient Gender (Please enter M/F/O for Male/Female/Other,</pre>
respectively): ";
        bool DataChecker=false;
        while (!DataChecker)
               cin>>temp.CustomerGender;
               if (temp.CustomerGender=='F' || temp.CustomerGender=='f' ||
temp.CustomerGender=='M' || temp.CustomerGender=='m' ||
temp.CustomerGender=='o' || temp.CustomerGender=='o')
                  DataChecker=true;
              else
                  cout<<"Invalid Character. Please Re-Enter: ";</pre>
      getchar();
      cout<<"Patient Contact Number: ";</pre>
      getline(cin, temp.CustomerContactNo);
      cout<<"Patient Address: ";</pre>
      getline(cin, temp.CustomerAddress);
      cout<<"Prescribing Doctor: ";</pre>
      getline(cin, temp.DoctorName);
      fstream MedsDb;
      MedsDb.open("AvailableMedicines.txt", ios::in);
```

```
char choice;
      bool AddMore=true;
      string MedName, SearchStr, line;
      int MedQty;
      bool IsFound;
      cout<<"\n<---- Press any key to enter medicine details ---->";
      while (AddMore)
           getchar();
           cout<<"\nPlease Enter the following Medicine Details:- "<<endl;</pre>
           cout<<"Medicine Name: ";</pre>
           getline(cin, MedName);
           temp.MedicineName.push_back(MedName);
           cout<<"Medicine Quantity (No. of Strips/Bottles Required): ";</pre>
           cin>>MedQty;
           temp.MedicineQty.push_back(MedQty);
           SearchStr = "Medicine Name: " + MedName;
           mp = 0;
           IsFound=false;
           MedsDb.seekg(0, ios::beg);
           while (!MedsDb.eof())
                getline(MedsDb, line);
                   if (line==SearchStr)
                          getline(MedsDb, line);
                                      // Medicine Quantity Available (skip)
                          getline(MedsDb, line);
                                // Medicine Price (extract price from here)
                          for (i=0; i<line.length(); i++)</pre>
                           {
                              ch = line[i];
                                           // Getting each character of line
                               if (isdigit(ch))
                                            // If the character is a digit:
                                  mp = (10*mp) + ch - '0';
             // Calculate (get) the price of the medicine per bottle/strip
                        temp.MedicinePrice.push_back(mp);
                                                                  // Store
the price of the Medicine with customer order/bill for further reference
and calculations
                       IsFound = true;
                       break:
         if (!IsFound)
                            // If the given medicine is not found in the
             temp.MedicinePrice.push_back(0);
```

```
cout<<"Do you want to add more medicines? Please enter y/n -->";
         DataChecker = false;
        while (!DataChecker)
             cin>>choice;
             if (choice=='Y' || choice=='y' || choice=='N' || choice=='n')
                DataChecker = true;
             else
                cout<<"Invalid Character. Please Re-Enter: ";</pre>
        if (choice=='N' || choice=='n')
          AddMore = false:
     MedsDb.close();
     fstream OrderDatabase, CompleteOrderDatabase;
     OrderDatabase.open("PendingOrders.txt", ios::out | ios::app);
     CompleteOrderDatabase.open("AllOrders.txt", ios::out | ios::app);
     OrderDatabase<<"Order Number: "<<temp.OrderNumber<<"\n"</pre>
                  <<"Order Date and Time: "<<temp.OrderDateTime<<"\n"
                  <<"Customer Name: "<<temp.CustomerName<<"\n"
                  <<"Customer Age: "<<temp.CustomerAge<<" years\n"
                  <<"Customer Gender: "<<temp.CustomerGender<<"\n"
                  <<"Customer Contact No: "<<temp.CustomerContactNo<<"\n"
                  <<"Customer Address: "<<temp.CustomerAddress<<"\n"
                  <<"Doctor Name: "<<temp.DoctorName<<"\n";
     CompleteOrderDatabase<<"Order Number: "<<temp.OrderNumber<<"\n"</pre>
                  <<"Order Date and Time: "<<temp.OrderDateTime<<"\n"
                  <<"Customer Name: "<<temp.CustomerName<<"\n"
                  <<"Customer Age: "<<temp.CustomerAge<<" years\n"
                  <<"Customer Gender: "<<temp.CustomerGender<<"\n"</pre>
                  <<"Customer Contact No: "<<temp.CustomerContactNo<<"\n"
                  <<"Customer Address: "<<temp.CustomerAddress<<"\n"
                  <<"Doctor Name: "<<temp.DoctorName<<"\n";
     for(i=0; i<temp.MedicineName.size(); i++)</pre>
          CompleteOrderDatabase<<"Medicine Name: "<<temp.MedicineName[i]<<</pre>
"\t\tQuantity: "<<temp.MedicineOty[i]<<"\t\tPrice per strip/bottle: "<<
MedicinePrice[i]<<"\n";</pre>
          OrderDatabase<<"Medicine Name: "<<temp.MedicineName[i]<</pre>
"\t\tQuantity: "<<temp.MedicineQty[i]<<"\t\tPrice per strip/bottle: "<<
MedicinePrice[i]<<"\n";</pre>
         temp.TotalPrice += (temp.MedicinePrice[i]*temp.MedicineOty[i]);
```

```
CompleteOrderDatabase<<"Total Bill Amount (exclusive of unavailabe
medicines): "<<temp.TotalPrice;</pre>
     OrderDatabase<<"Total Bill Amount (exclusive of unavailabe medicines
): "<<temp.TotalPrice;</pre>
     CompleteOrderDatabase<<"\n**********************************
\n";
     OrderDatabase.close();
     CompleteOrderDatabase.close();
   cout<<endl<<"<---- Press Enter to View the Details you Entered ---->";
    temp.PutData();
long long Customer::GetOrderNumber()
       srand(time(0));
       return rand();
string Customer::GetOrderDateTime()
       time_t now = time(0);
       char* date_time = ctime(&now);
       return date time;
void Customer::PutData()
     cout<<endl<<"*****************************
         <<endl<<"ORDER NUMBER: "<<OrderNumber
         <<endl<<"Order Date and Time: "<<OrderDateTime
         <<endl<<"Patient Name: "<<CustomerName
         <<endl<<"Patient Age: "<<CustomerAge
         <<endl<<"Patient Gender: ";
     if (CustomerGender=='F' || CustomerGender=='f')
         cout<<"Female";</pre>
     else if (CustomerGender=='M' || CustomerGender=='m')
         cout<<"Male";</pre>
     else if (CustomerGender=='0' || CustomerGender=='o')
         cout<<"Other";</pre>
```

## SCREENSHOTS OF THE SYSTEM

#### **MENUS**

Main Menu

#### **Customer Menu**

#### **Owner Menu**

```
FIRE Edit Selection View Go Run Terminal Help Medicines.cpp-vs.code (Workspace) - Visual Studio Code

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

XYZ MEDICALS

XYZ MEDICALS

XYZ MEDICALS

XYZ MEDICALS

Select one of the following (plasse enter the option number)

1. View Medicines in Inventory

2. Search for a Medicine in Inventory

3. Add Medicines in Inventory

4. Delete Medicines from Enventory

5. World's Potalis of Medicines in Inventory

6. View All Placed Orders (Complete Database: Fulfilled + Unfulfilled Orders)

7. Search for a Customer's Order in Complete Database

8. View Pending Orders

10. Delete Nifelilled Orders

10. Back to Nain Menu

11. View Medicines Inventory

12. Search for a Customer's Order in Complete Database

8. View Pending Orders

13. Delete Nifelilled Orders

14. Delete Nifelilled Orders

15. Delete Nifelilled Orders

16. Search for a Customer's Order in Complete Database

17. Search for a Customer's Order in Complete Database

18. View Pending Orders

19. Delete Nifelilled Orders

19. Delete Nifelilled Orders

10. Delete Nifelilled Orders

10. Search for a Customer's Order in Complete Database

10. Delete Nifelilled Orders

11. Delete Nifelilled Orders

12. Delete Nifelilled Orders

13. View Medicines Inventory

14. Delete Nifelilled Orders

15. View Medicines Inventory

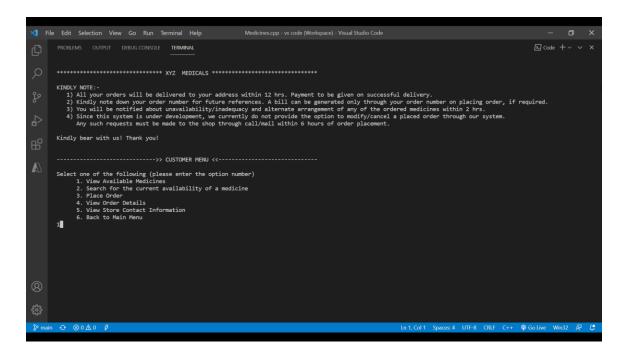
16. Delete Nifelilled Orders

17. Delete Nifelilled Orders

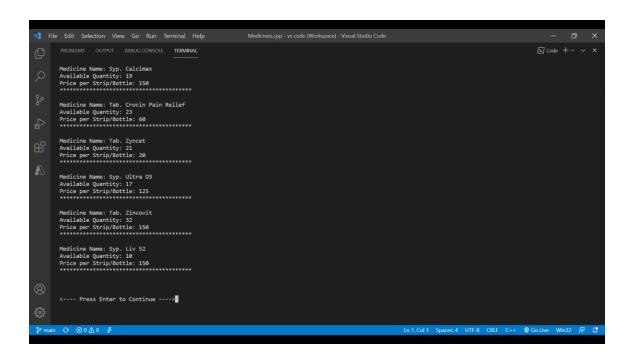
18. View Medicines Inventory

19. Dele
```

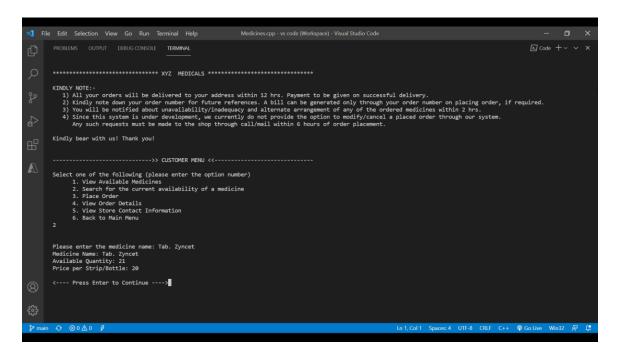
#### THE CUSTOMER PORTAL

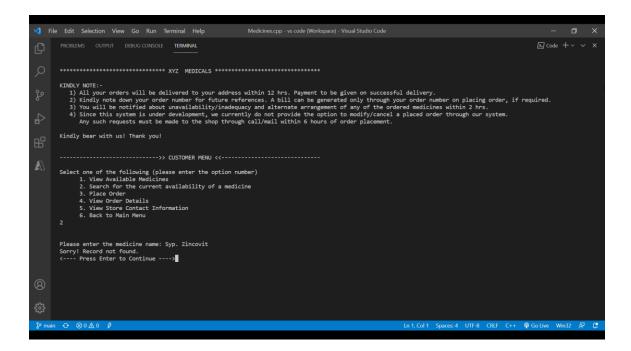


#### **View Available Medicines**

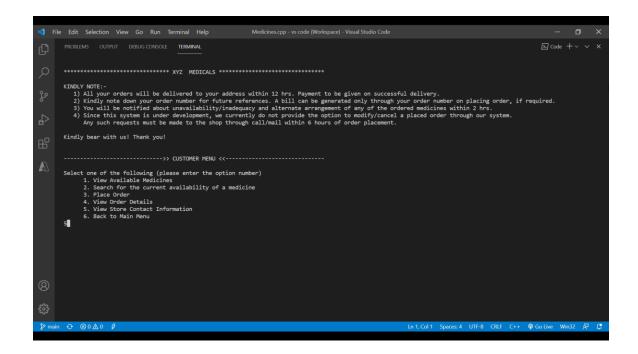


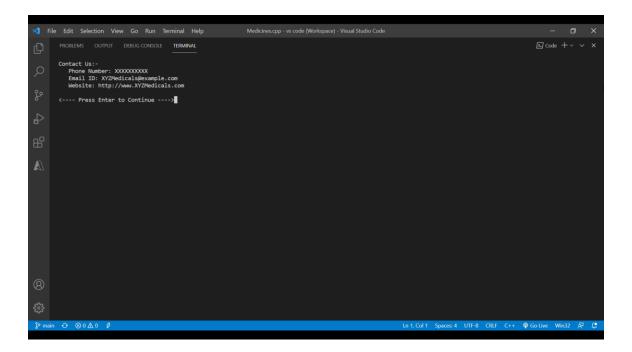
#### **Search for the Current Availability of a Medicine**





#### **View Store Contact Details**

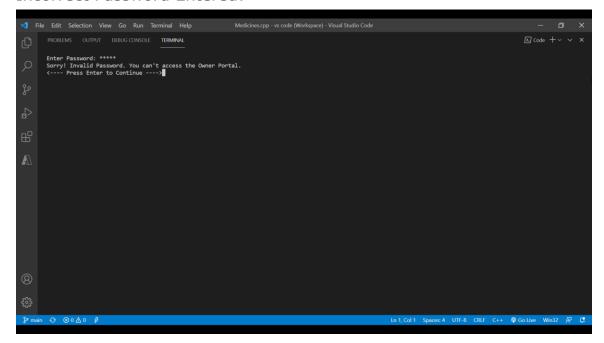




#### THE OWNER PORTAL

#### **Checking Password**

Incorrect Password Entered:

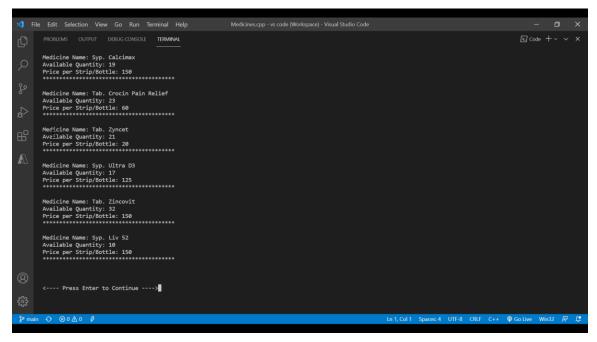


... And back to Main Menu

Correct Password Entered: Go to owner portal!

#### **Deleting Medicine Record**

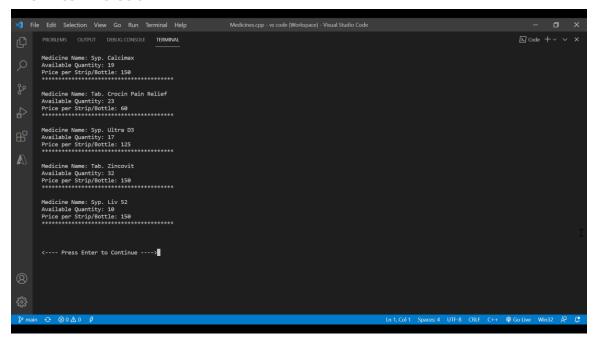
#### File Before Deletion:



#### Deleting Record:

```
| File Edit Selection | View Go Run Terminal | Help | Medicinescopp-vs.code (Workspace)-Visual Studio Code | Code
```

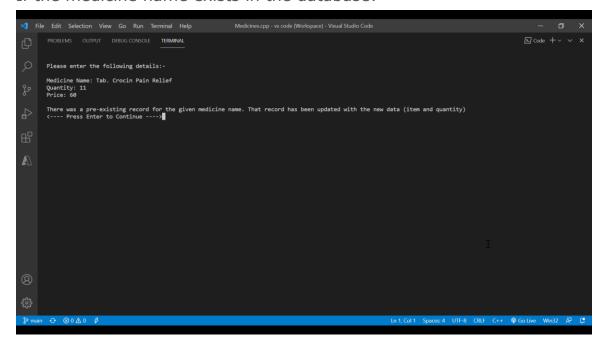
#### File After Deletion



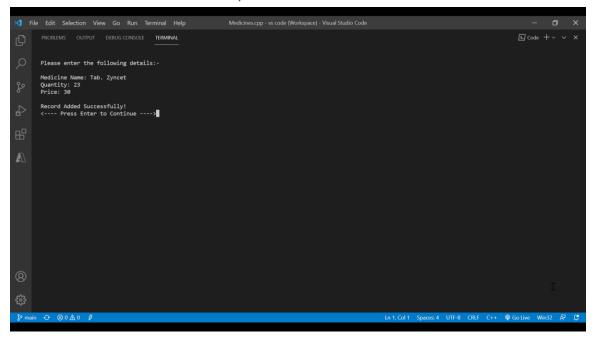
#### **Search for Medicine**

#### **Addition of Medicine Records**

If the medicine name exists in the database:

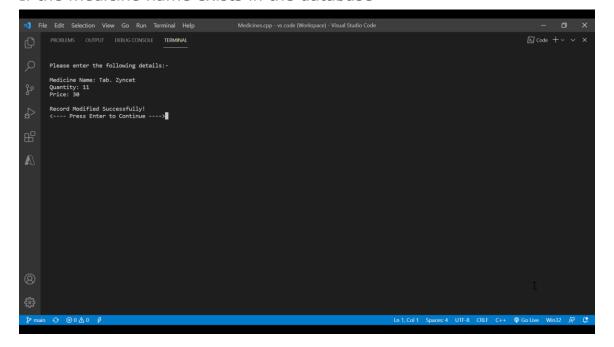


If the medicine name is not present in the database:

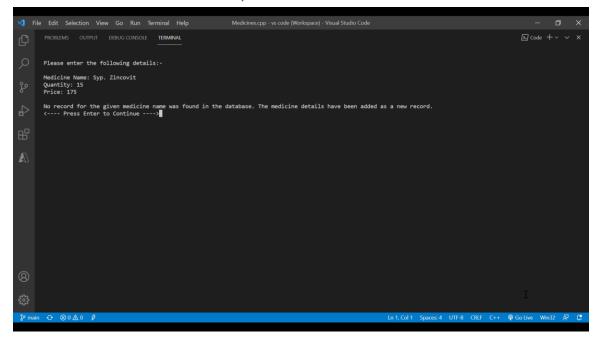


#### **Modification of Medicine Records**

If the medicine name exists in the database

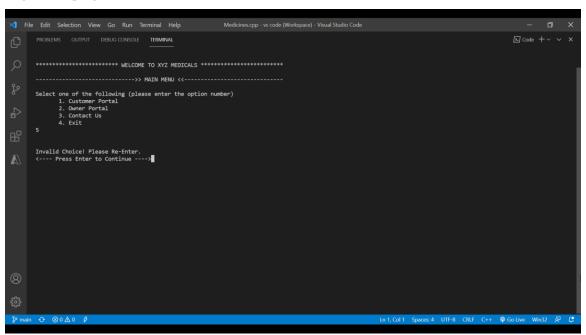


If the medicine name is not present in the database:

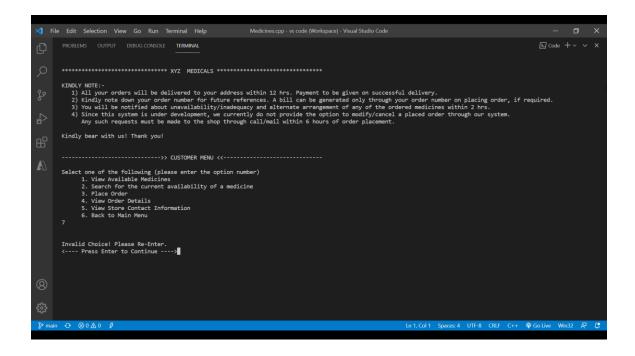


### INCORRECT OPTIONS SELECTED IN ANY OF THE 'MENU'S

#### **Main Menu**



#### **Customer Menu**



#### **Owner Menu**

```
MORITANS OUTPUT DEBUGIONSCALE TERMINAL

| Code + v v x | Code | C
```