2021

PROJECT REPORT

ON

MEDICAL INVENTORY SYSTEM

PYTHON PROGRAMMING (INT 213)

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Program : B.Tech CSE

School : School of Computer Science and Eng.

Date Of Submission : 20 November 2021

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CONTENT

MEDICAL INVENTORY SYSTEM

ABSTRACT

The "Medical Inventory System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. Medical Inventory System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources.

ACKNOWLEDGEMENT

I would like to Acknowledge all those without whom this Project would not have been successful. Firstly, I would wish to Thank our Computer Science (PYTHON) Teacher Prof. Sagar Pande who guided me throughout the project and gave his immense support. He made us understand how to successfully complete this project and without him, the project would not have been complete.

This project has been a source to learn and bring out theoretical knowledge to the real-life world. So, I would really acknowledge his help and guidance for this project.

I would also like to Thank my parents who have always been there whenever needed.

Once again, Thanks to everyone for making this project successful.

INTRODUCTION

This is a program to manage a Medical Inventory. The Aim of this project is to make the work of the user and management easier by keeping records of different medical goods such as medicines. Through this program we can do a lot of things like : -

1. Any Person can easily search for any type of medicines available he / she wants to purchase.

2. We can also know the details of the available medicines.

3. We can also see the exact prices assigned to every medicines.

4. Admin can use the System to add, delete, update, modify the medicines data available in the database.

5. We can also see the Availability of Medicines through this Program

CONTRIBUTION

Raunak Kumar : -

GUI (GRAPHICAL USER INTERFACE)

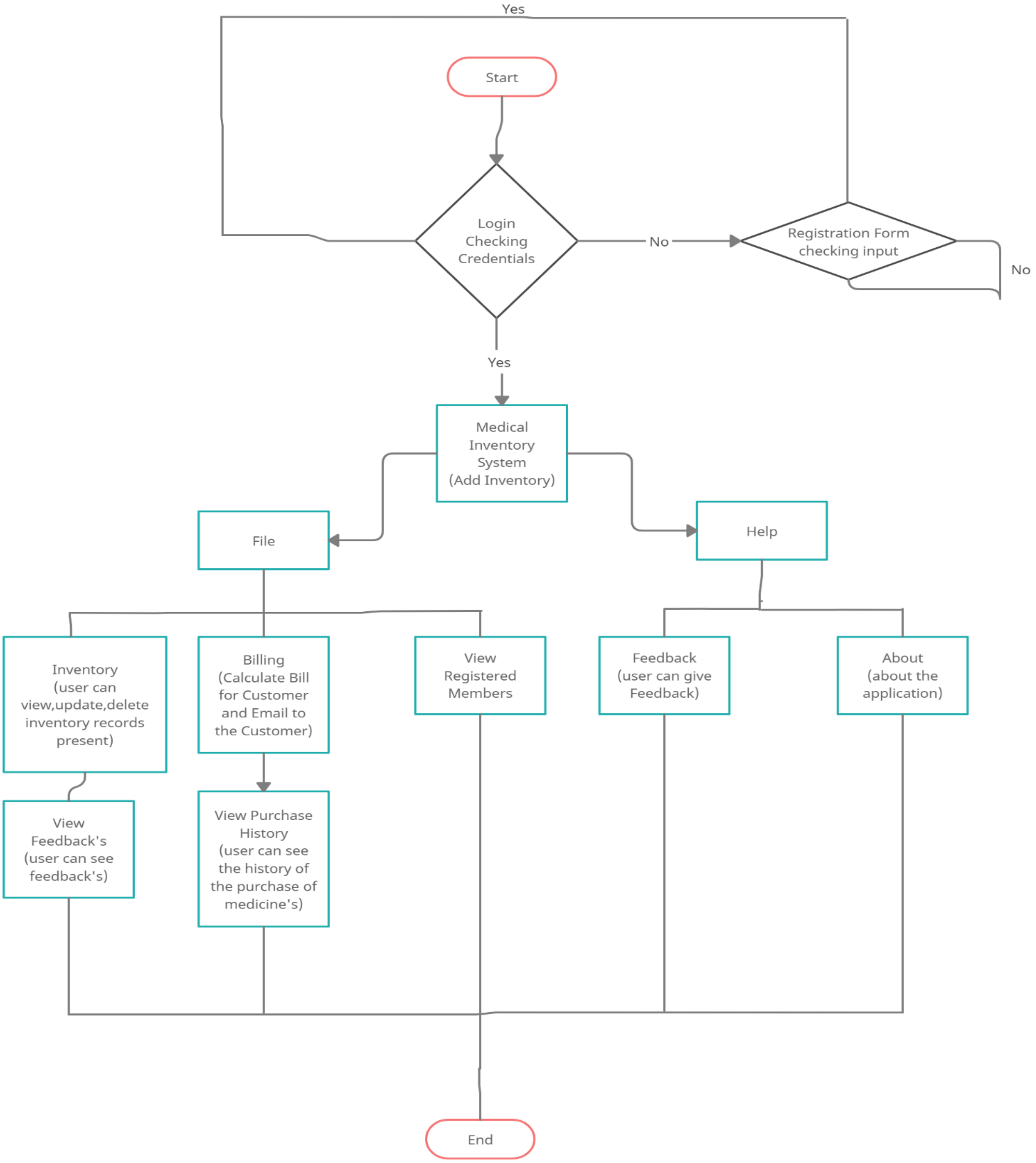
CODING

REPORT

OBJECTIVE

The AIM of the Project is to make the works of user easier by keeping records in Database, provide a attractive user interface to user to access with every records easily.

DATA FLOW DIAGRAM


Yes
Start
Login Checking Credentials
No
Registration Form checking input
No
Yes
Medical Inventory System (Add Inventory)
File
Help
Inventory (user can view,update,delete inventory records present)
Billing (Calculate Bill for Customer and Email to the Customer)
View Registered Members
Feedback (user can give Feedback)
About (about the application)
View Feedback's (user can see feedback's)
View Purchase History (user can see the history of the purchase of medicine's)
End

TKINTER

Tkinter is an open source, portable graphical user interface (GUI) library designed for use in Python scripts.
Tkinter relies on the Tk library, the GUI library used by Tcl / Tk and Perl, which is in turn implemented in C. Therefore, Tkinter can be said to be implemented using multiple layers.

Advantages of Tkinter : -

1. Layered Approach : -

The layered approach used in designing Tkinter gives Tkinter all of the advantages of the TK library. Therefore, at the time of creation, Tkinter inherited from the benefits of a GUI toolkit that had been given time to mature. This makes early versions of Tkinter a lot more stable and reliable than if it had been rewritten from scratch. Moreover, the conversion from Tcl/Tk to Tkinter is really trivial, so that Tk programmers can learn to use Tkinter very easily.

2. Accessibility : -

Learning Tkinter is very intuitive, and therefore quick and painless. The Tkinter implementation hides the detailed and complicated calls in simple, intuitive methods. This is a continuation of the Python way of thinking, since the language excels at quickly building prototypes. It is therefore expected that its preferred GUI library be implemented using the same approach.

3. Portability : -

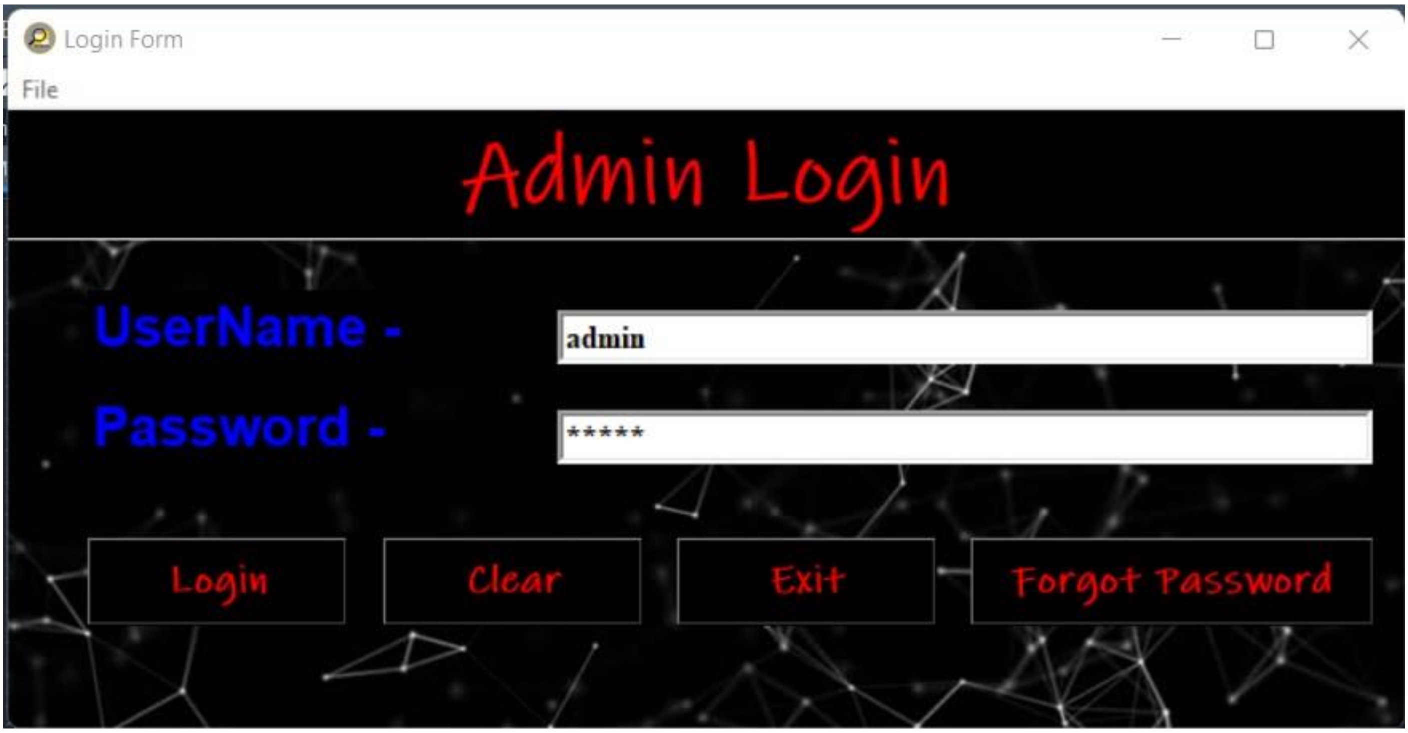
Python scripts that use Tkinter do not require modifications to be ported from one platform to the other. Tkinter is available for any platform that Python is implemented for, namely Microsoft Windows, X Windows, and Macintosh. This gives it a great advantage over most competing libraries, which are often restricted to one or two platforms. Moreover, Tkinter will provide the native look-and-feel of the specific platform it runs on.

4. Availability : -

Tkinter is now included in any Python distribution. Therefore, no supplementary modules are required in order to run scripts using Tkinter.

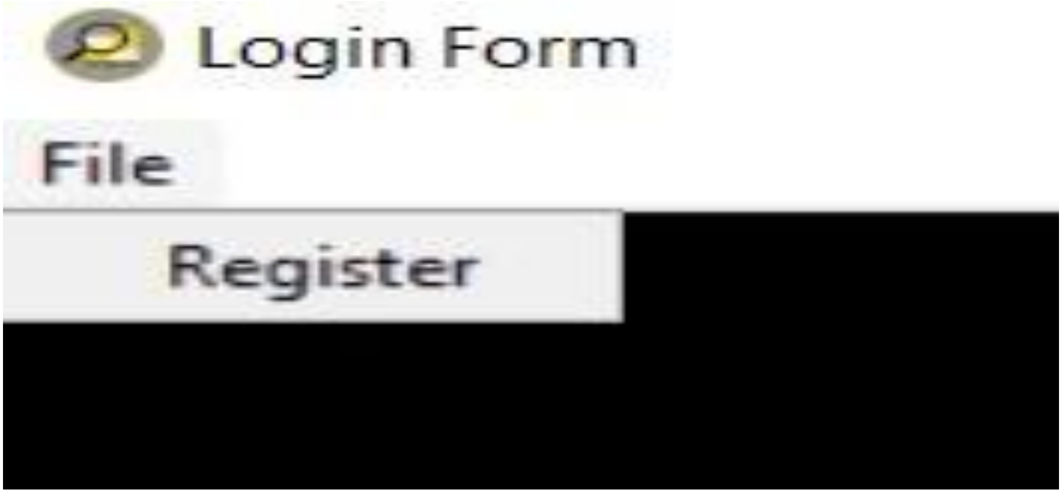
IMPLEMENTATION AND RESULTS (SCREENSHOTS)

Login Form

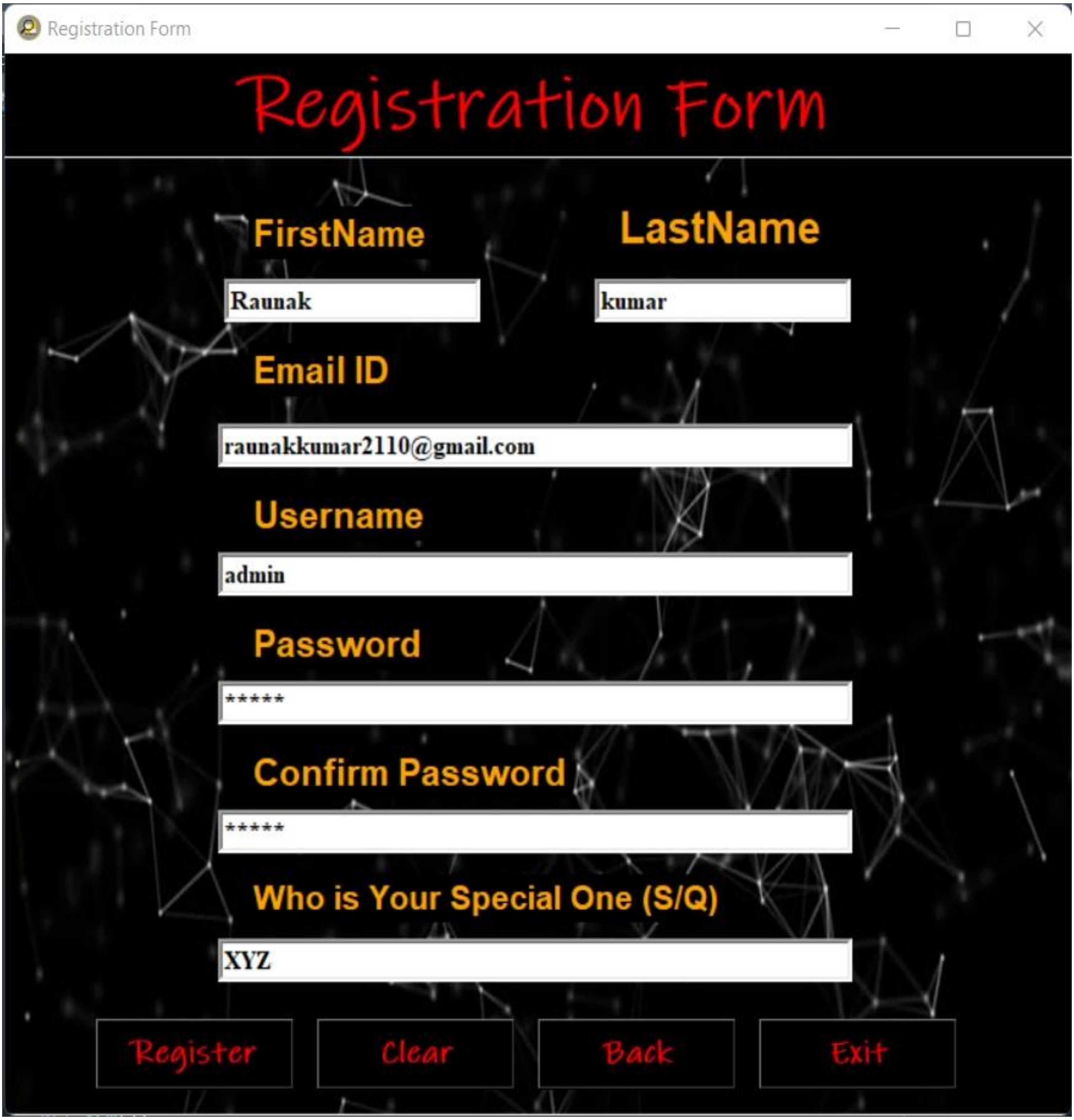


UserName - admin

Password - *****



Registration Form



FirstName	LastName
Raunak	kumar

Email ID: raunakkumar2110@gmail.com

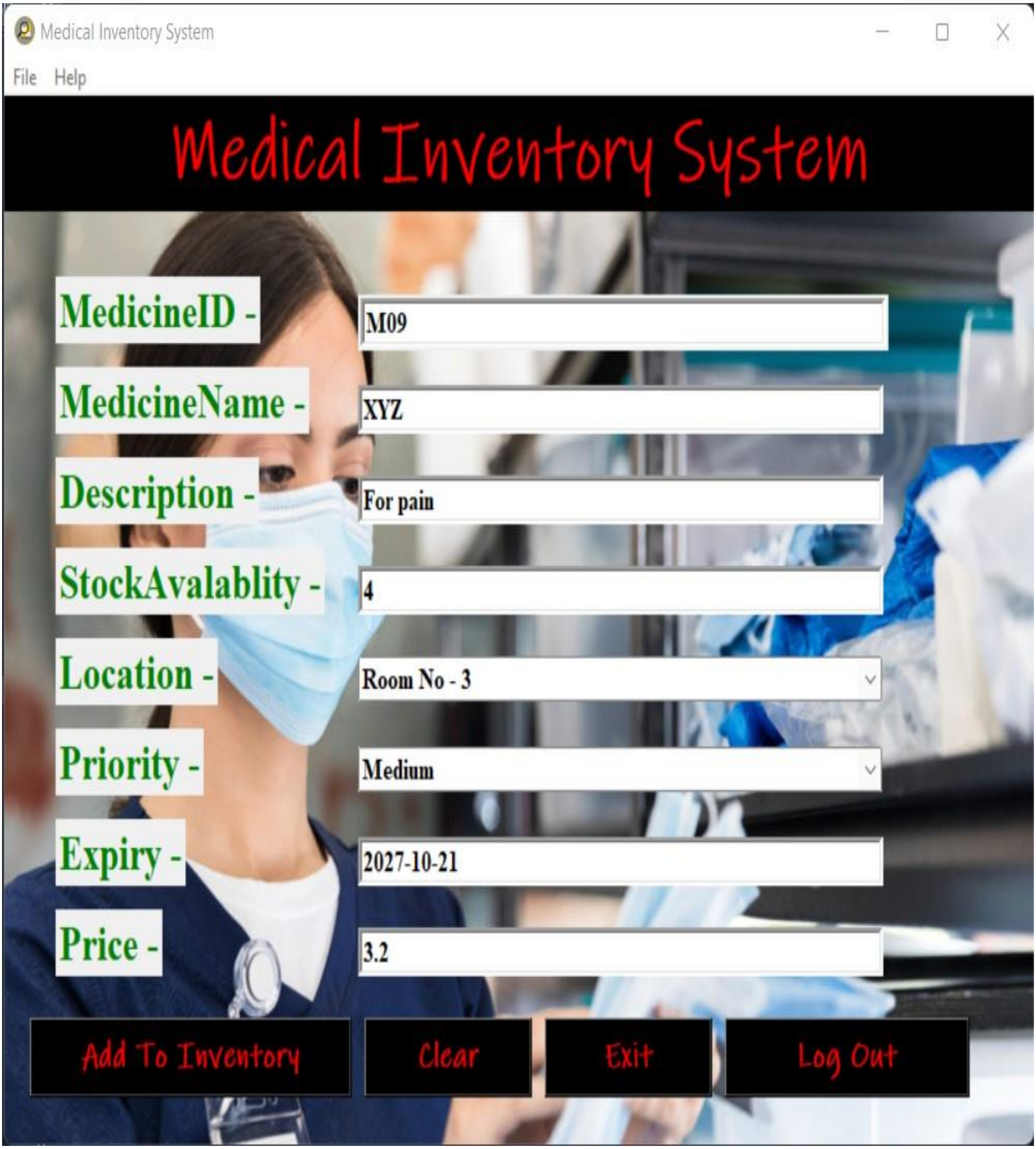
Username: admin

Password: *****

Confirm Password: *****

Who is Your Special One (S/Q): XYZ

Main Frame



MedicineID - M09

MedicineName - XYZ

Description - For pain

StockAvalablity - 4

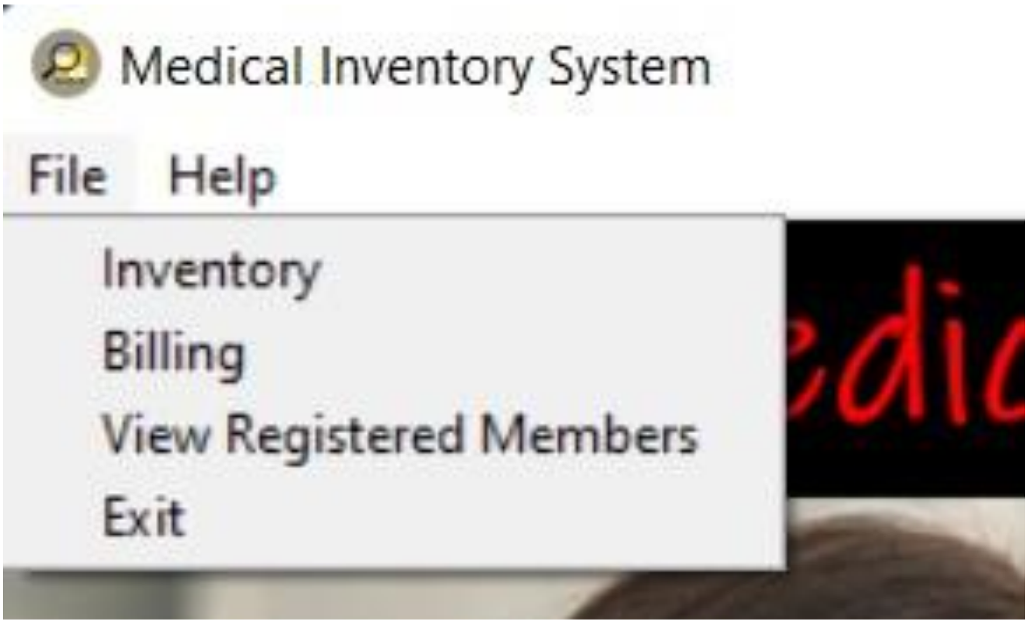
Location - Room No - 3

Priority - Medium

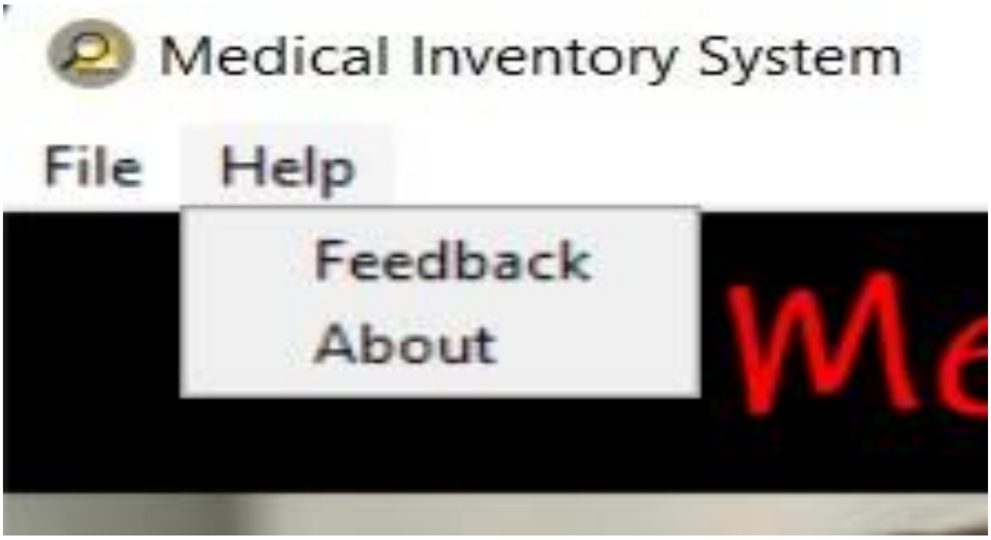
Expiry - 2027-10-21

Price - 3.2

Menu’s

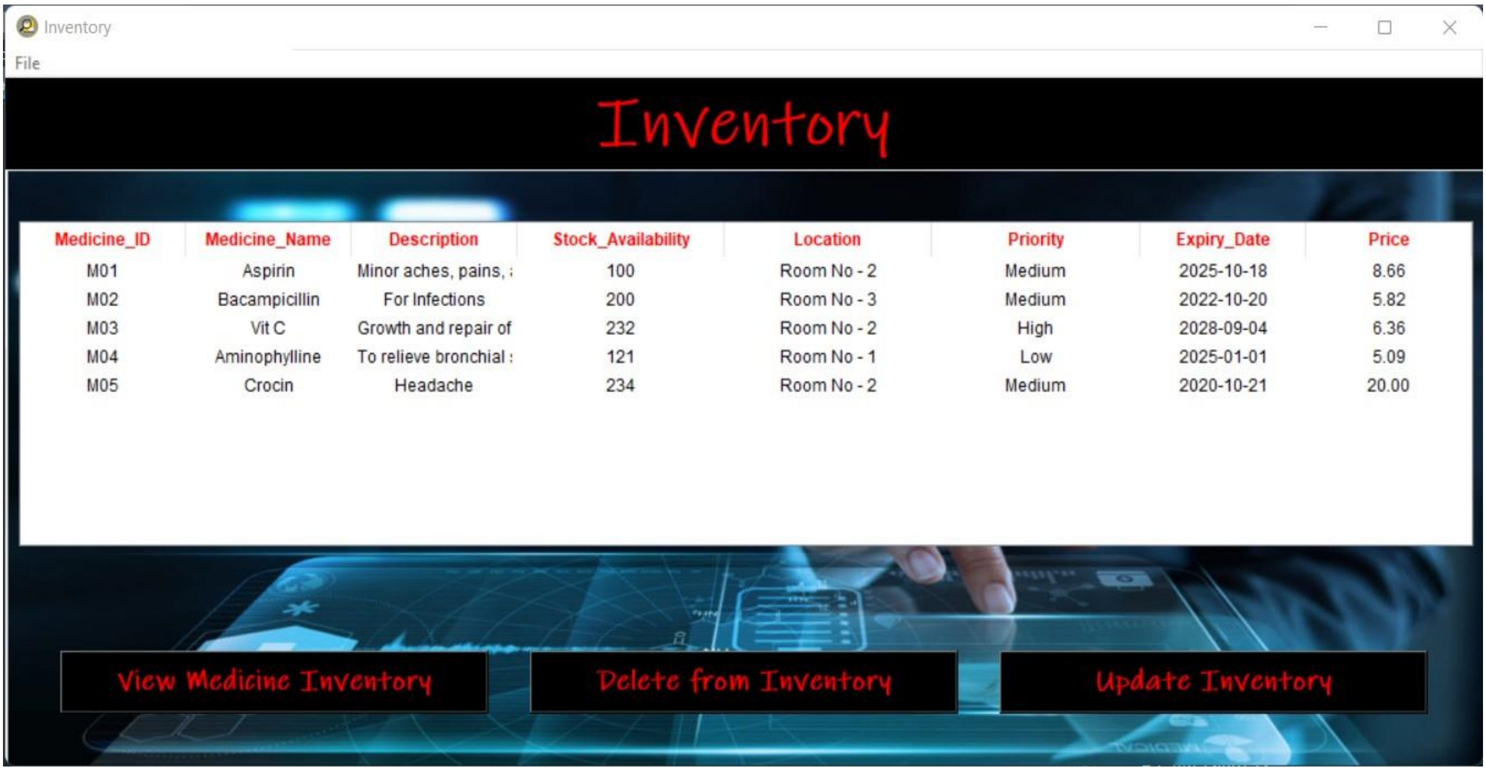


Medical Inventory System
File
Help
Inventory
Billing
View Registered Members
Exit



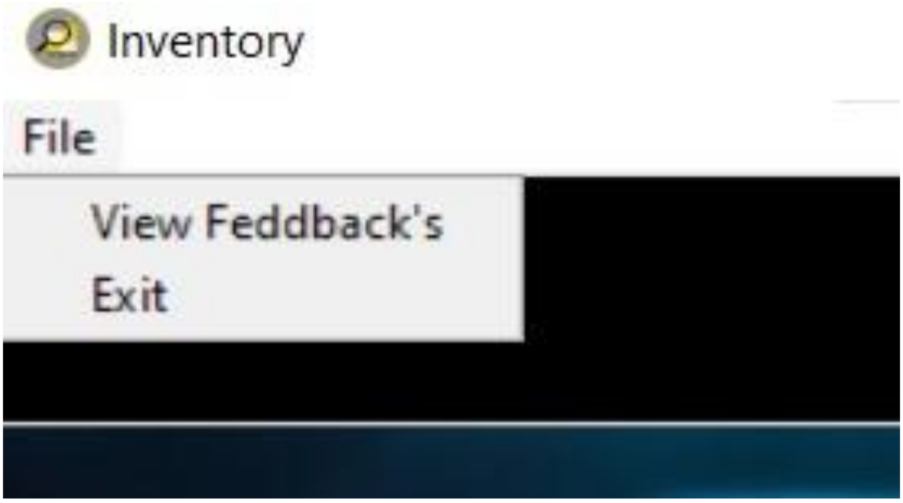
Medical Inventory System
File
Help
Feedback
About

Inventory Frame

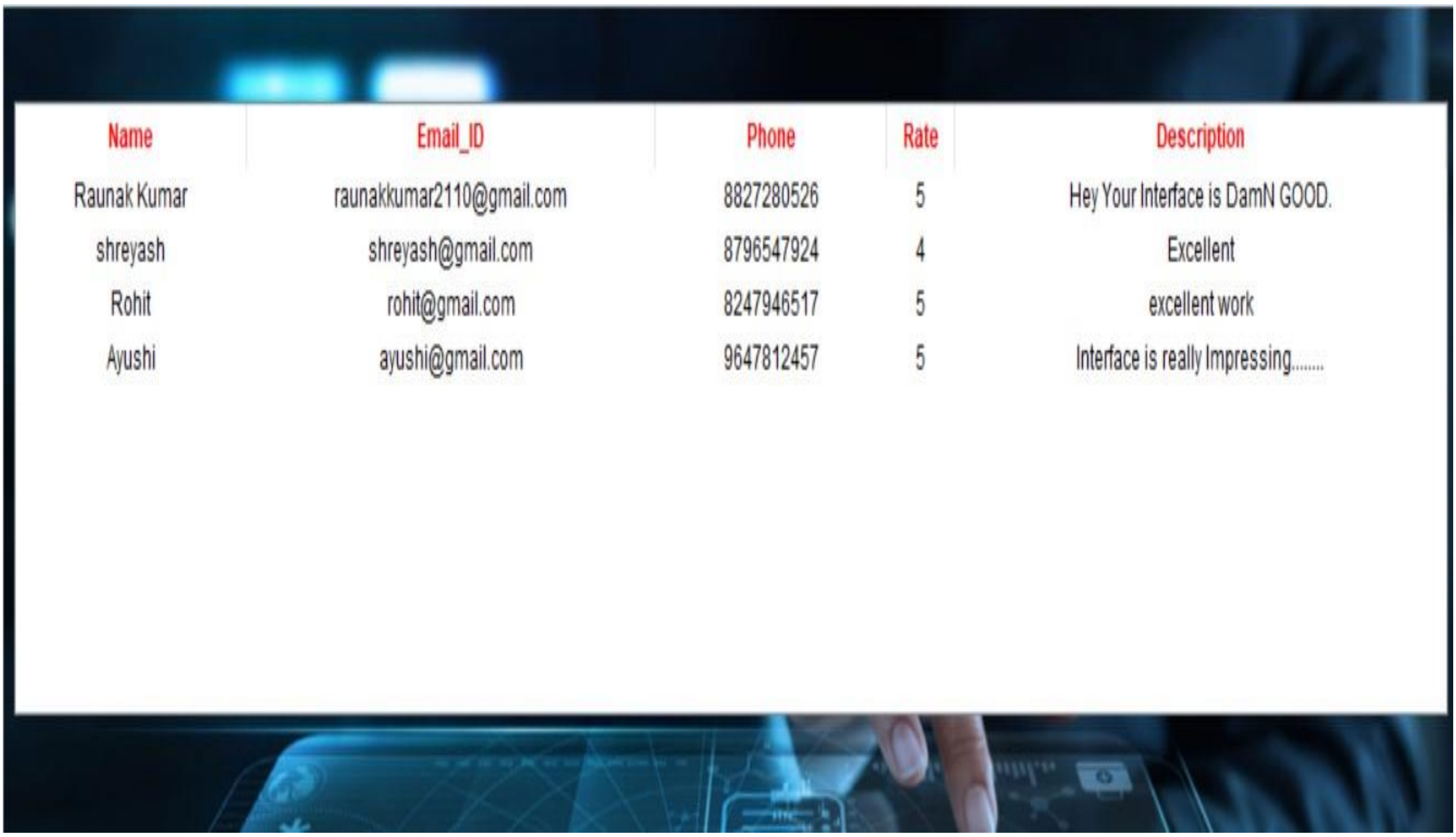


Medicine_ID	Medicine_Name	Description	Stock_Availability	Location	Priority	Expiry_Date	Price
M01	Aspirin	Minor aches, pains, ;	100	Room No - 2	Medium	2025-10-18	8.66
M02	Bacampicillin	For Infections	200	Room No - 3	Medium	2022-10-20	5.82
M03	Vit C	Growth and repair of	232	Room No - 2	High	2028-09-04	6.36
M04	Aminophylline	To relieve bronchial :	121	Room No - 1	Low	2025-01-01	5.09
M05	Crocin	Headache	234	Room No - 2	Medium	2020-10-21	20.00

Menu’s

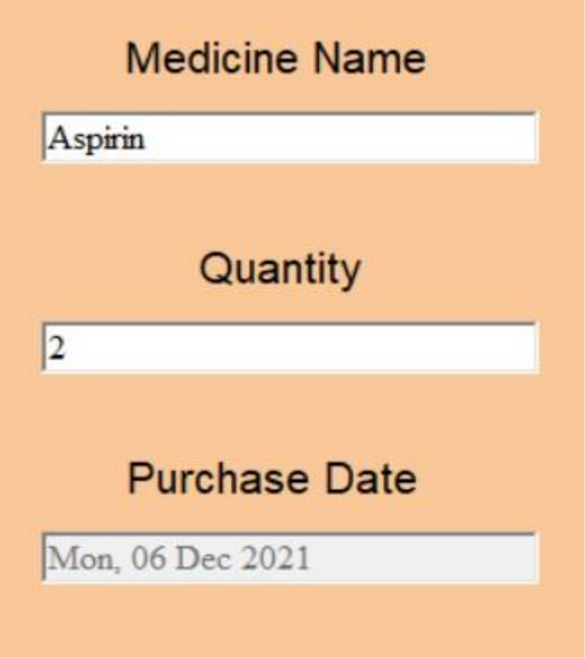


Feedbacks



Name	Email_ID	Phone	Rate	Description
Raunak Kumar	raunakkumar2110@gmail.com	8827280526	5	Hey Your Interface is DamN GOOD.
shreyash	shreyash@gmail.com	8796547924	4	Excellent
Rohit	rohit@gmail.com	8247946517	5	excellent work
Ayushi	ayushi@gmail.com	9647812457	5	Interface is really Impressing.......

Billing Frame



Medicine Name

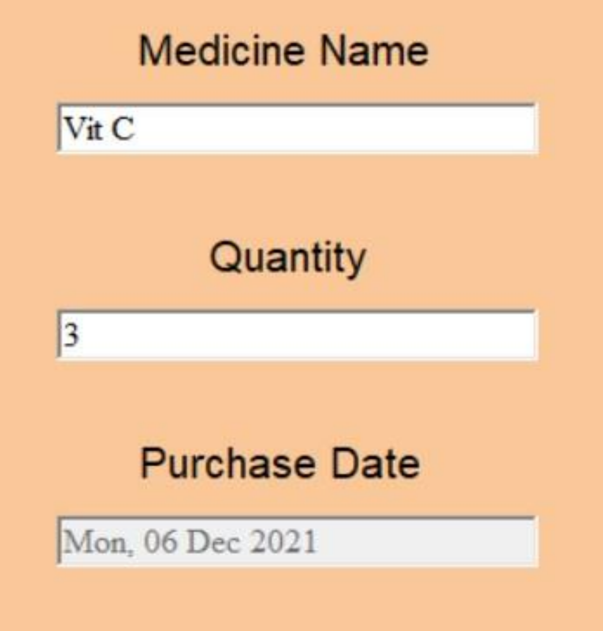
Aspirin

Quantity

2

Purchase Date

Mon, 06 Dec 2021



Medicine Name

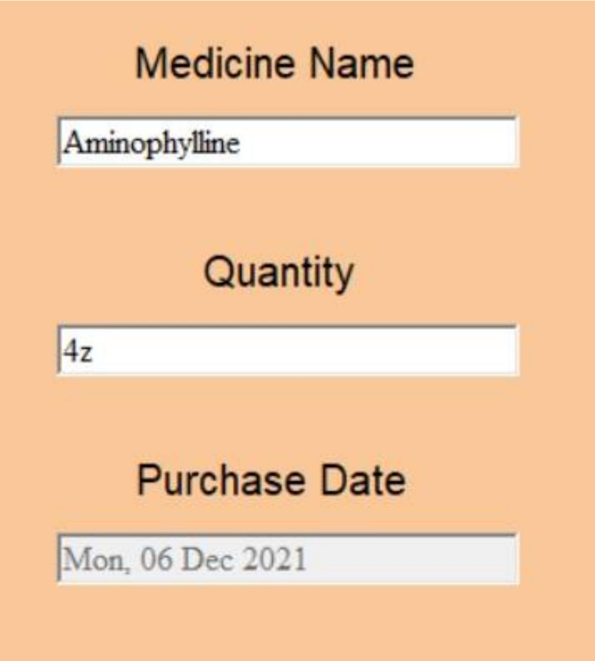
Vit C

Quantity

3

Purchase Date

Mon, 06 Dec 2021



Medicine Name

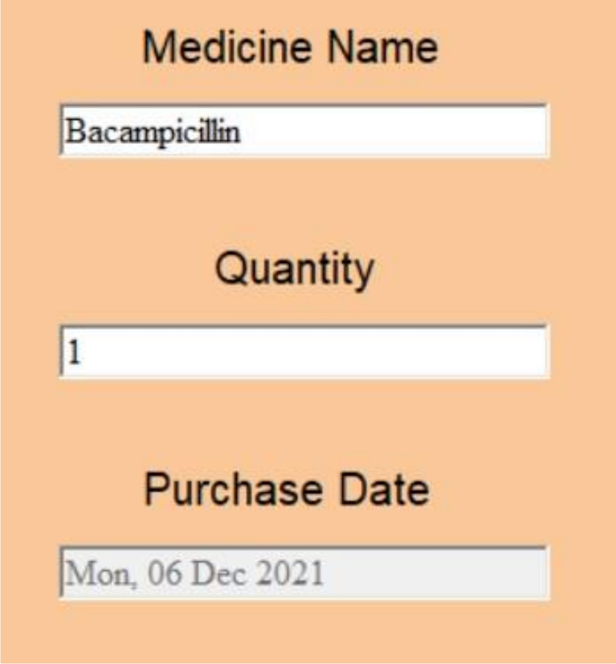
Aminophylline

Quantity

4z

Purchase Date

Mon, 06 Dec 2021



Medicine Name

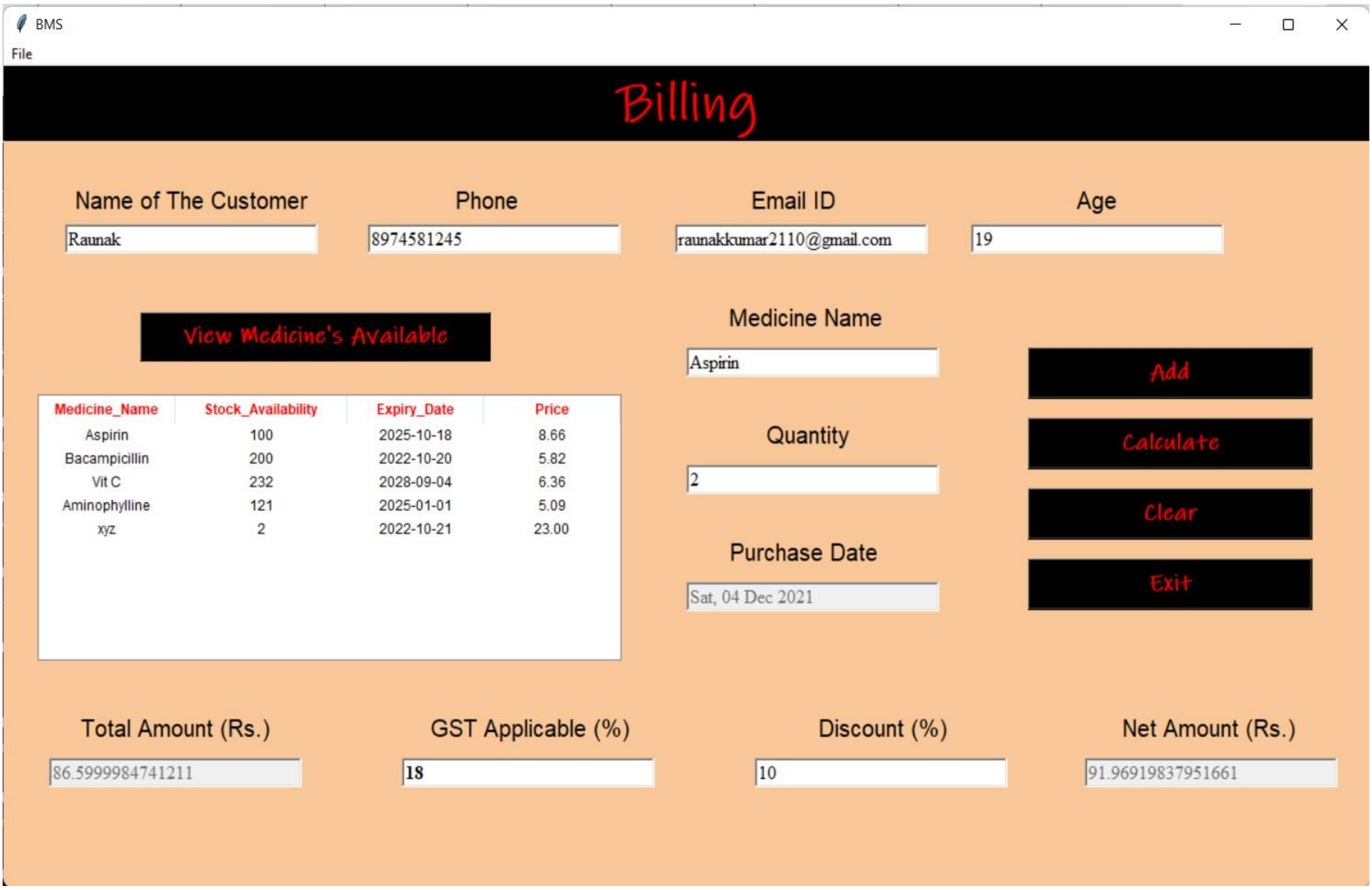
Bacampicillin

Quantity

1

Purchase Date

Mon, 06 Dec 2021



Name of The Customer	Phone	Email ID	Age
Raunak	8974581245	raunakkumar2110@gmail.com	19

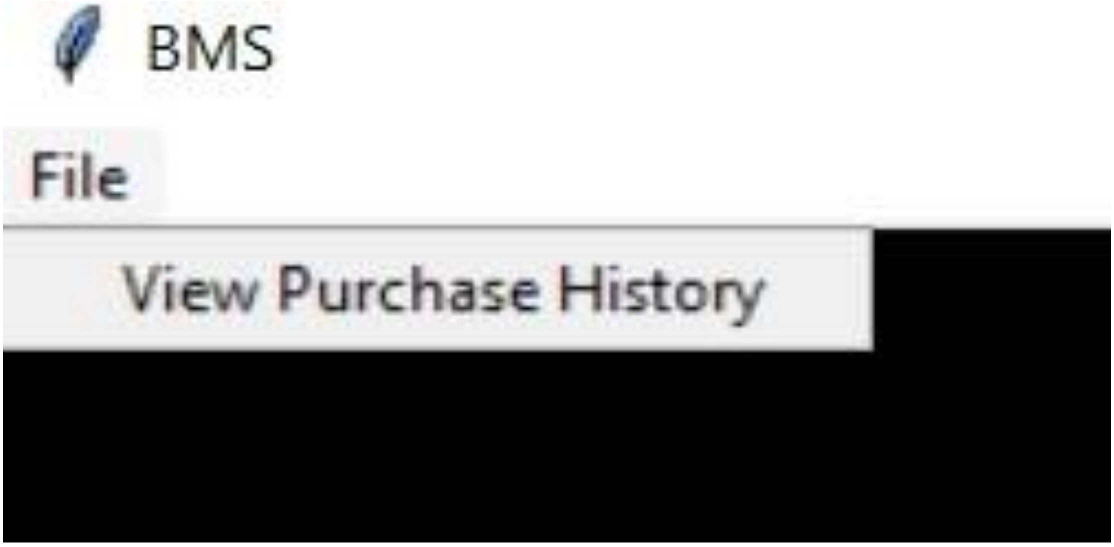
Medicine_Name	Stock_Availability	Expiry_Date	Price
Aspirin	100	2025-10-18	8.66
Bacampicillin	200	2022-10-20	5.82
Vit C	232	2028-09-04	6.36
Aminophylline	121	2025-01-01	5.09
xyz	2	2022-10-21	23.00

Medicine Name: Aspirin

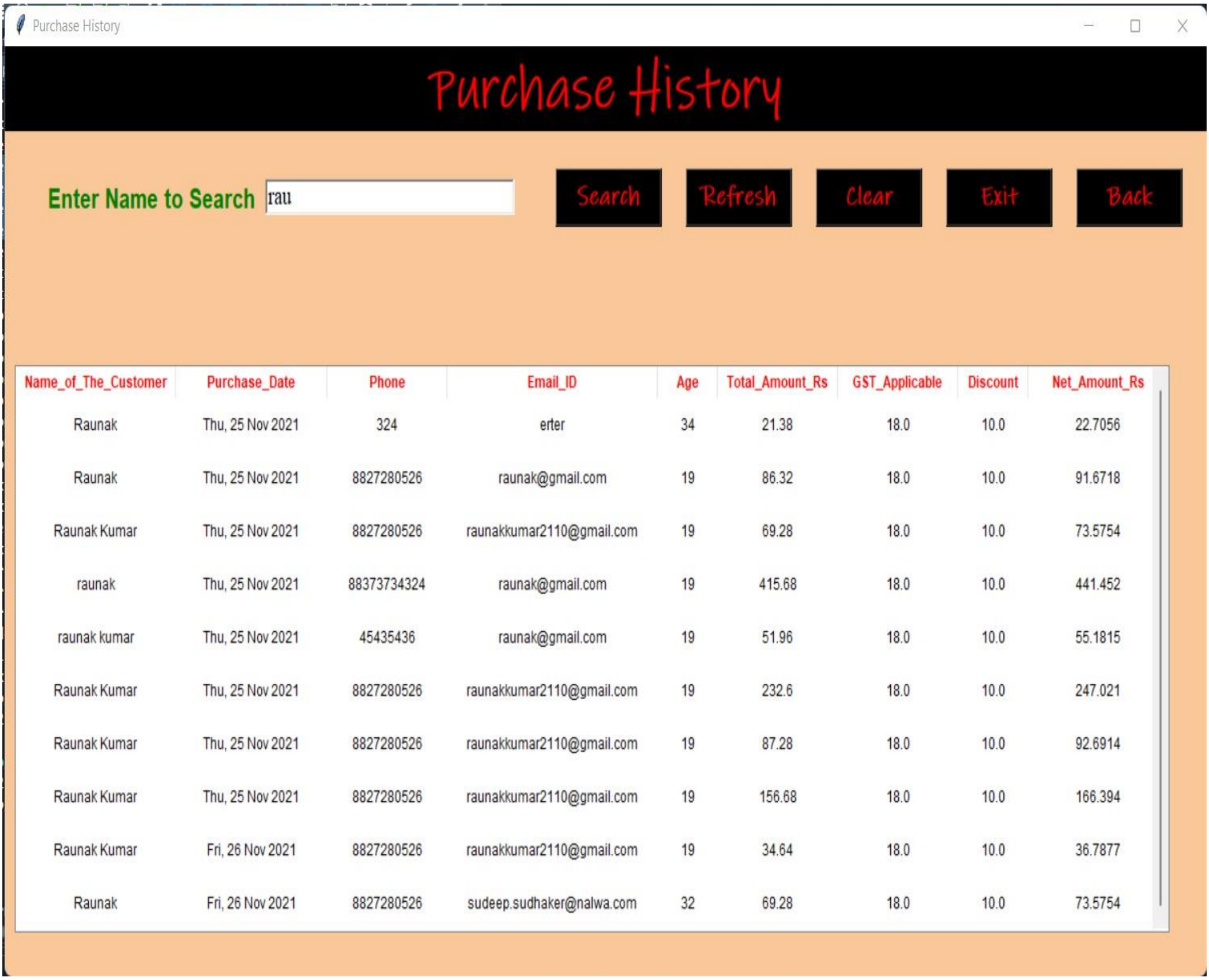
Quantity: 2

Purchase Date: Sat, 04 Dec 2021

Total Amount (Rs.)	GST Applicable (%)	Discount (%)	Net Amount (Rs.)
86.5999984741211	18	10	91.96919837951661



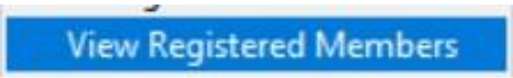
Purchase History

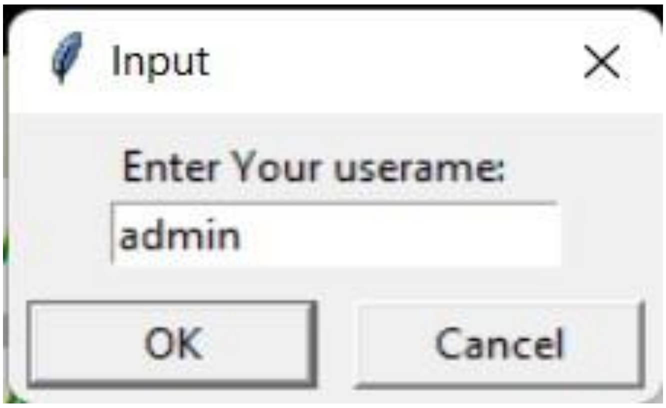


Enter Name to Search rau

Name_of_The_Customer	Purchase_Date	Phone	Email_ID	Age	Total_Amount_Rs	GST_Applicable	Discount	Net_Amount_Rs
Raunak	Thu, 25 Nov 2021	324	erter	34	21.38	18.0	10.0	22.7056
Raunak	Thu, 25 Nov 2021	8827280526	raunak@gmail.com	19	86.32	18.0	10.0	91.6718
Raunak Kumar	Thu, 25 Nov 2021	8827280526	raunakkumar2110@gmail.com	19	69.28	18.0	10.0	73.5754
raunak	Thu, 25 Nov 2021	88373734324	raunak@gmail.com	19	415.68	18.0	10.0	441.452
raunak kumar	Thu, 25 Nov 2021	45435436	raunak@gmail.com	19	51.96	18.0	10.0	55.1815
Raunak Kumar	Thu, 25 Nov 2021	8827280526	raunakkumar2110@gmail.com	19	232.6	18.0	10.0	247.021
Raunak Kumar	Thu, 25 Nov 2021	8827280526	raunakkumar2110@gmail.com	19	87.28	18.0	10.0	92.6914
Raunak Kumar	Thu, 25 Nov 2021	8827280526	raunakkumar2110@gmail.com	19	156.68	18.0	10.0	166.394
Raunak Kumar	Fri, 26 Nov 2021	8827280526	raunakkumar2110@gmail.com	19	34.64	18.0	10.0	36.7877
Raunak	Fri, 26 Nov 2021	8827280526	sudeep.sudhaker@nalwa.com	32	69.28	18.0	10.0	73.5754

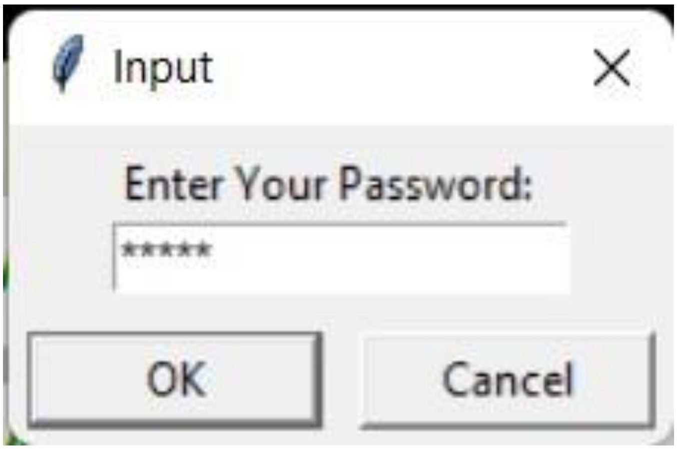
Registered Member’s Frame





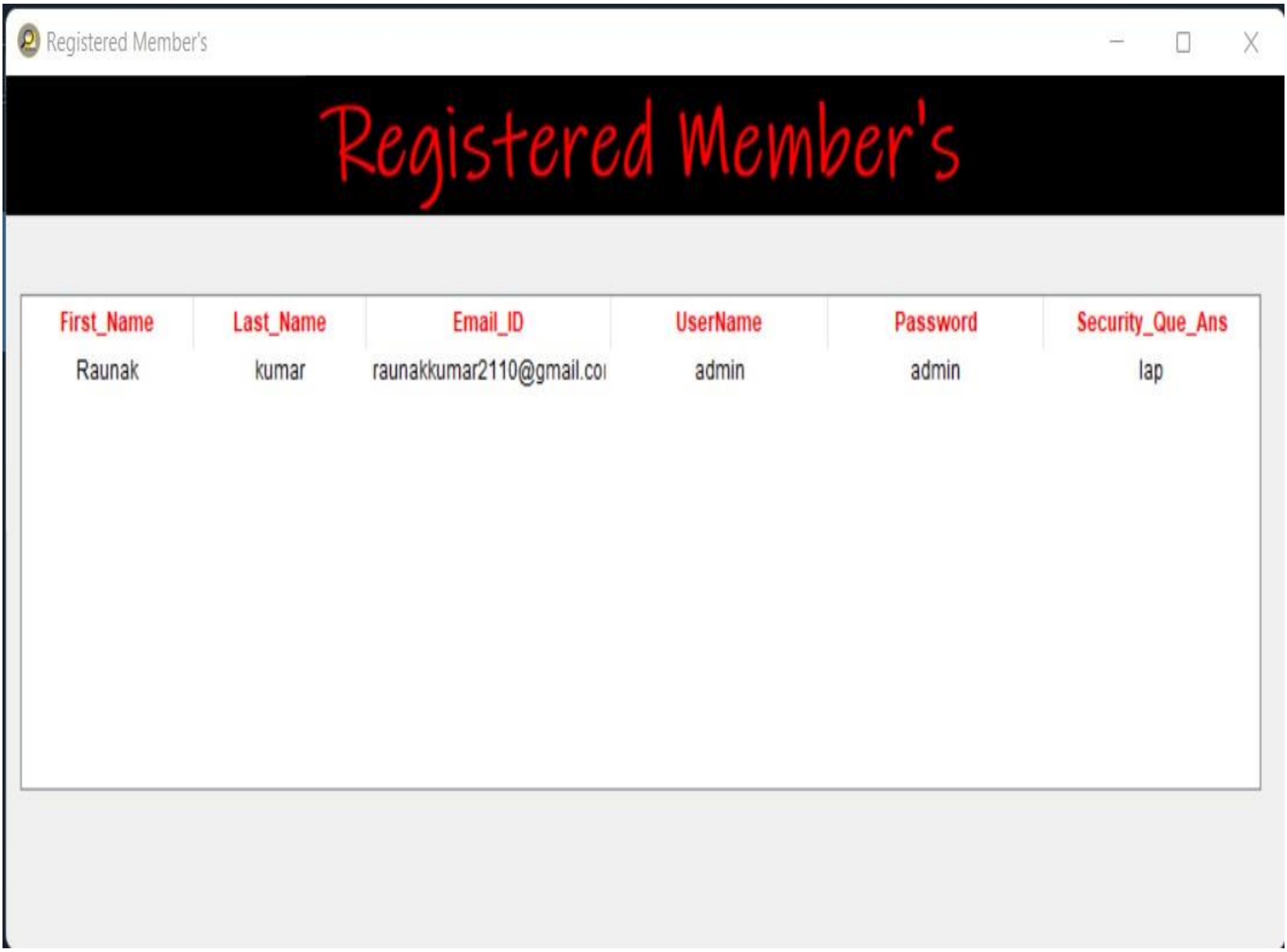
Enter Your userame:

admin



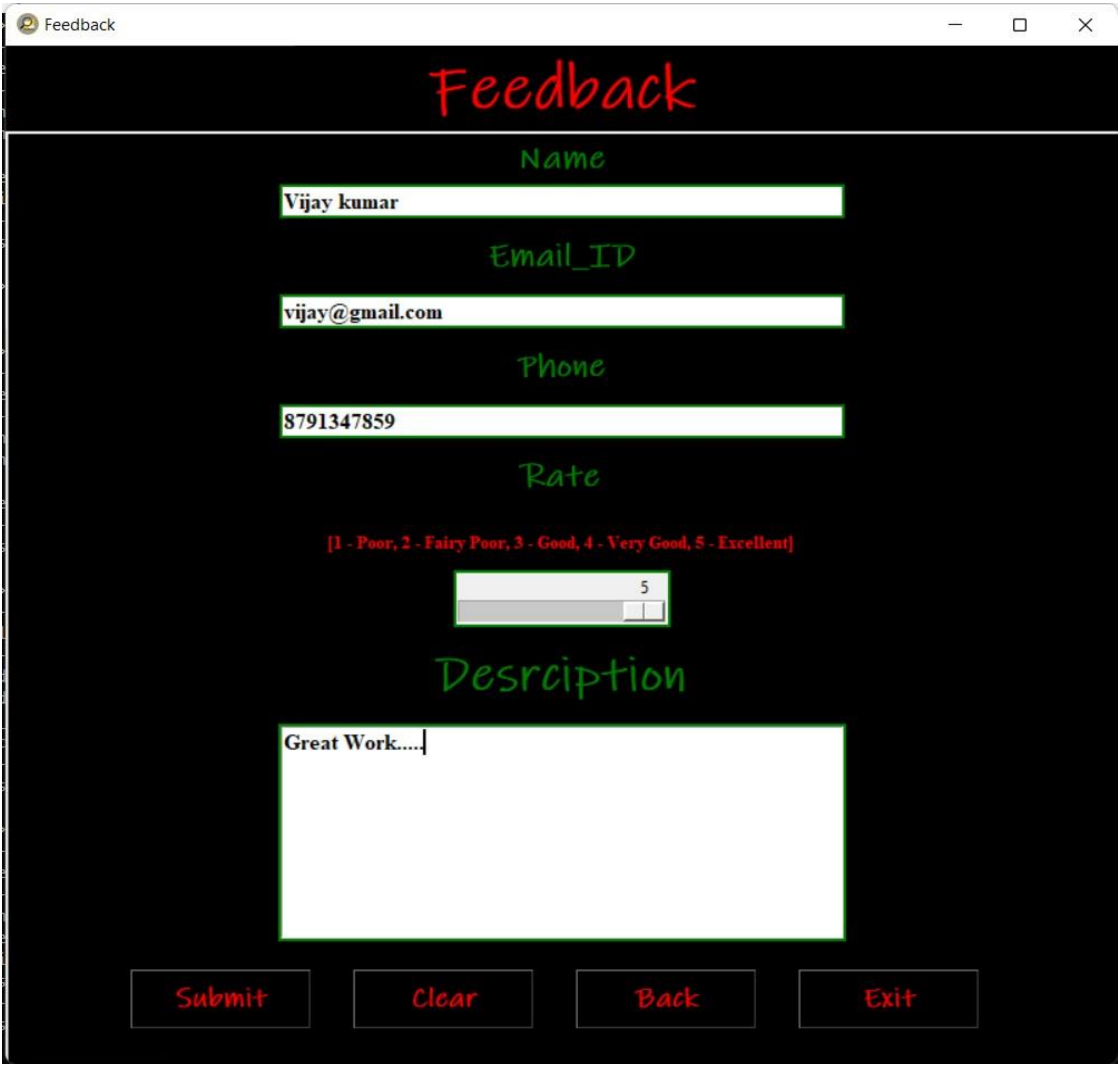
Enter Your Password:

*****



First_Name	Last_Name	Email_ID	UserName	Password	Security_Que_Ans
Raunak	kumar	raunakkumar2110@gmail.coı	admin	admin	lap

Feedback Frame



Name

Vijay kumar

Email_ID

vijay@gmail.com

Phone

8791347859

Rate

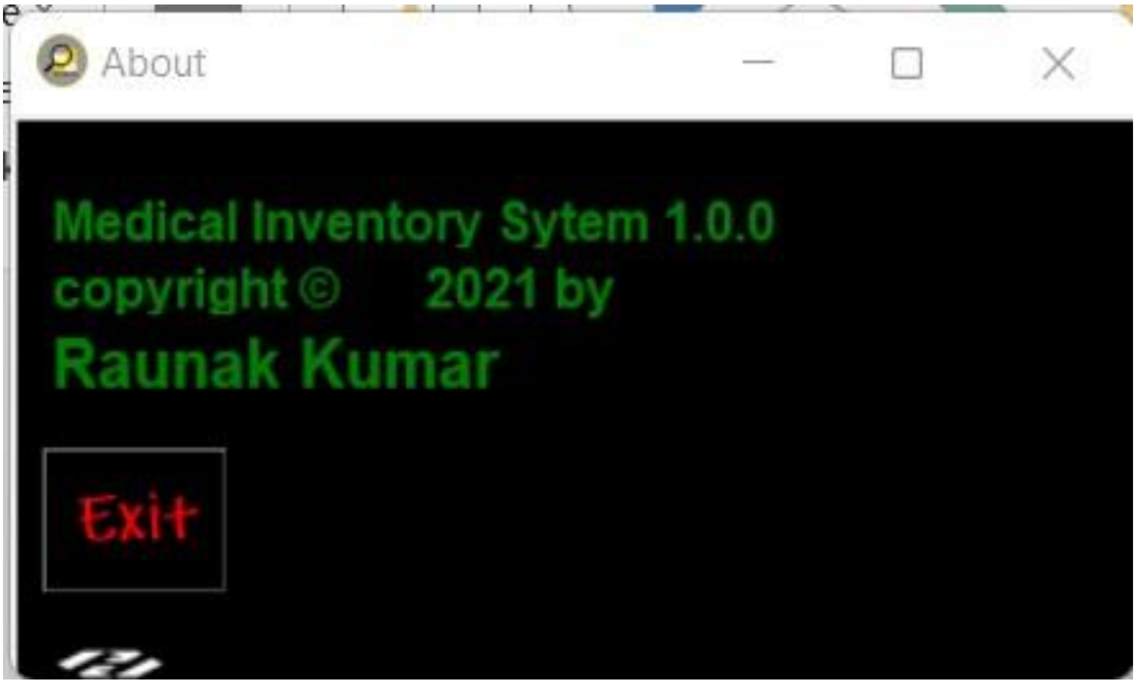
[1 - Poor, 2 - Fairy Poor, 3 - Good, 4 - Very Good, 5 - Excellent]

5

Desrciption

Great Work....

About Frame



Medical Inventory Sytem 1.0.0
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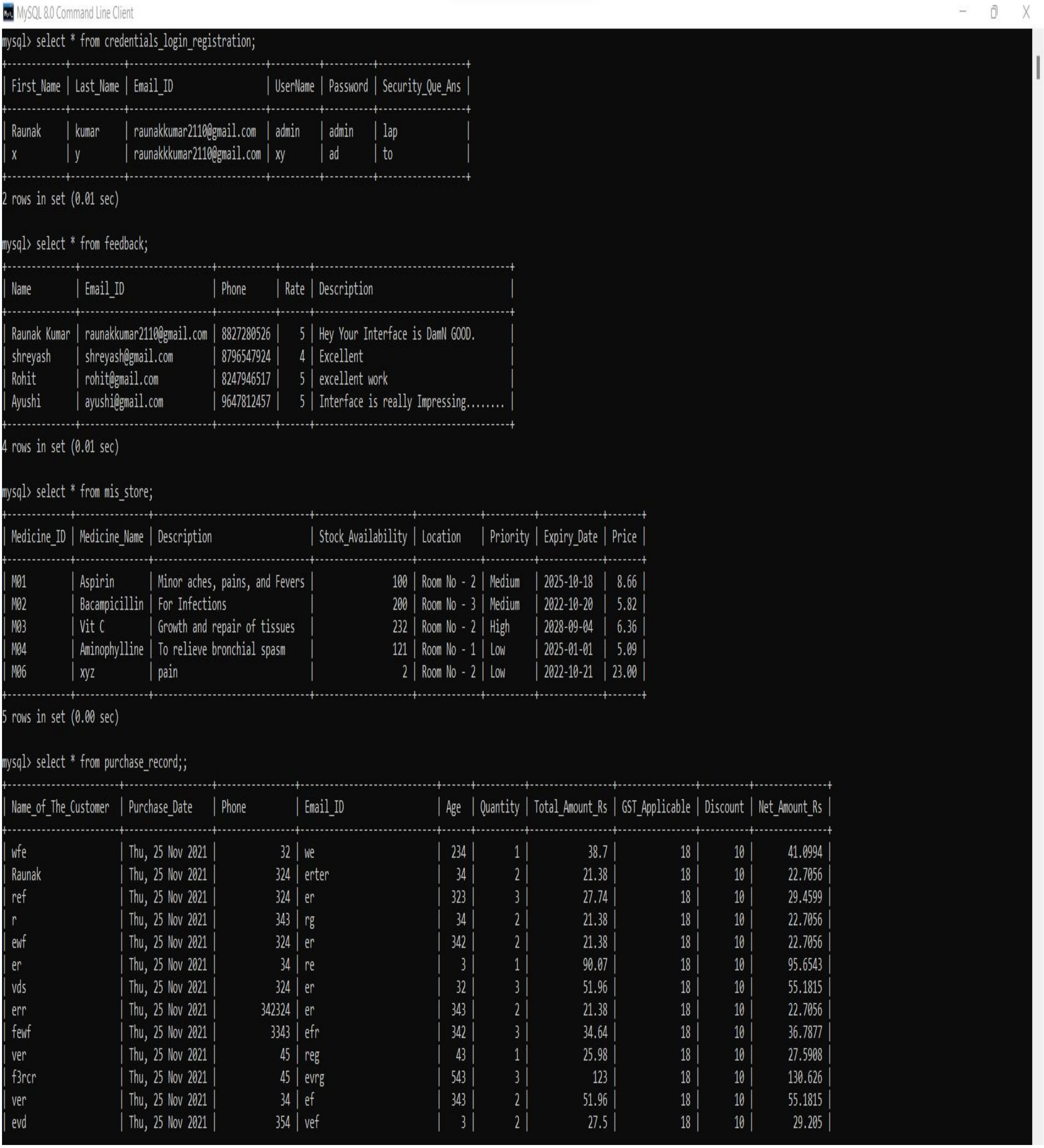
Raunak Kumar

MYSQL Tables



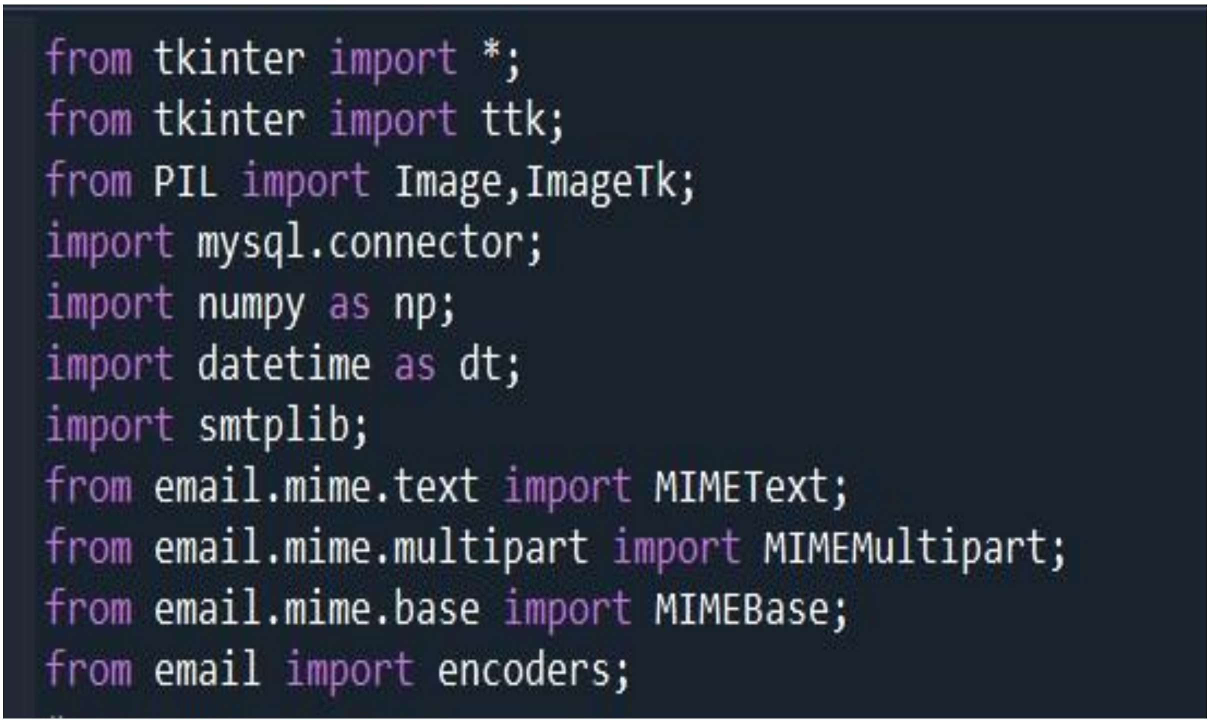
```
mysql> select * from credentials_login_registration;
+------------+-----------+----------------------------+----------+----------+------------------+
| First_Name | Last_Name | Email_ID                   | UserName | Password | Security_Que_Ans |
+------------+-----------+----------------------------+----------+----------+------------------+
| Raunak     | kumar     | raunakkumar2110@gmail.com  | admin    | admin    | lap              |
| x          | y         | raunakkkumar2110@gmail.com | xy       | ad       | to               |
+------------+-----------+----------------------------+----------+----------+------------------+
2 rows in set (0.01 sec)

mysql> select * from feedback;
+--------------+---------------------------+------------+------+---------------------------------------+
| Name         | Email_ID                  | Phone      | Rate | Description                           |
+--------------+---------------------------+------------+------+---------------------------------------+
| Raunak Kumar | raunakkumar2110@gmail.com | 8827280526 |    5 | Hey Your Interface is DamN GOOD.      |
| shreyash     | shreyash@gmail.com        | 8796547924 |    4 | Excellent                             |
| Rohit        | rohit@gmail.com           | 8247946517 |    5 | excellent work                        |
| Ayushi       | ayushi@gmail.com          | 9647812457 |    5 | Interface is really Impressing....... |
+--------------+---------------------------+------------+------+---------------------------------------+
4 rows in set (0.01 sec)

mysql> select * from mis_store;
+-------------+---------------+--------------------------------+--------------------+-------------+----------+-------------+-------+
| Medicine_ID | Medicine_Name | Description                    | Stock_Availability | Location    | Priority | Expiry_Date | Price |
+-------------+---------------+--------------------------------+--------------------+-------------+----------+-------------+-------+
| M01         | Aspirin       | Minor aches, pains, and Fevers |                100 | Room No - 2 | Medium   | 2025-10-18  |  8.66 |
| M02         | Bacampicillin | For Infections                 |                200 | Room No - 3 | Medium   | 2022-10-20  |  5.82 |
| M03         | Vit C         | Growth and repair of tissues   |                232 | Room No - 2 | High     | 2028-09-04  |  6.36 |
| M04         | Aminophylline | To relieve bronchial spasm     |                121 | Room No - 1 | Low      | 2025-01-01  |  5.09 |
| M06         | xyz           | pain                           |                  2 | Room No - 2 | Low      | 2022-10-21  | 23.00 |
+-------------+---------------+--------------------------------+--------------------+-------------+----------+-------------+-------+
5 rows in set (0.00 sec)

mysql> select * from purchase_record;;
+----------------------+------------------+------------+---------------------------+-----+----------+-----------------+----------------+----------+---------------+
| Name_of_The_Customer | Purchase_Date    | Phone      | Email_ID                  | Age | Quantity | Total_Amount_Rs | GST_Applicable | Discount | Net_Amount_Rs |
+----------------------+------------------+------------+---------------------------+-----+----------+-----------------+----------------+----------+---------------+
| wfe                  | Thu, 25 Nov 2021 |         32 | we                        | 234 |        1 |            38.7 |             18 |       10 |       41.0994 |
| Raunak               | Thu, 25 Nov 2021 |        324 | erter                     |  34 |        2 |           21.38 |             18 |       10 |       22.7056 |
| ref                  | Thu, 25 Nov 2021 |        324 | er                        | 323 |        3 |           27.74 |             18 |       10 |       29.4599 |
| r                    | Thu, 25 Nov 2021 |        343 | rg                        |  34 |        2 |           21.38 |             18 |       10 |       22.7056 |
| ewf                  | Thu, 25 Nov 2021 |        324 | er                        | 342 |        2 |           21.38 |             18 |       10 |       22.7056 |
| er                   | Thu, 25 Nov 2021 |         34 | re                        |   3 |        1 |           90.07 |             18 |       10 |       95.6543 |
| vds                  | Thu, 25 Nov 2021 |        324 | er                        |  32 |        3 |           51.96 |             18 |       10 |       55.1815 |
| err                  | Thu, 25 Nov 2021 |     342324 | er                        | 343 |        2 |           21.38 |             18 |       10 |       22.7056 |
| fewf                 | Thu, 25 Nov 2021 |       3343 | efr                       | 342 |        3 |           34.64 |             18 |       10 |       36.7877 |
| ver                  | Thu, 25 Nov 2021 |         45 | reg                       |  43 |        1 |           25.98 |             18 |       10 |       27.5908 |
| f3rcr                | Thu, 25 Nov 2021 |         45 | evrg                      | 543 |        3 |             123 |             18 |       10 |       130.626 |
| ver                  | Thu, 25 Nov 2021 |         34 | ef                        | 343 |        2 |           51.96 |             18 |       10 |       55.1815 |
| evd                  | Thu, 25 Nov 2021 |        354 | vef                       |   3 |        2 |            27.5 |             18 |       10 |        29.205 |
```

MYSQL

MySQL is a relational database management system (RDBMS) developed by Oracle that is based on structured query language (SQL).

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or a place to hold the vast amounts of information in a corporate network. In particular, a relational database is a digital store collecting data and organizing it according to the relational model. In this model, tables consist of rows and columns, and relationships between data elements all follow a strict logical structure. An RDBMS is simply the set of software tools used to actually implement, manage, and query such a database.

CODE (SCREENSHOTS)



```
from tkinter import *;
from tkinter import ttk;
from PIL import Image,ImageTk;
import mysql.connector;
import numpy as np;
import datetime as dt;
import smtplib;
from email.mime.text import MIMEText;
from email.mime.multipart import MIMEMultipart;
from email.mime.base import MIMEBase;
from email import encoders;
```

1. from tkinter import * : -

It is used to import all the functions and modules in it.

2. from tkinter import ttk : -

It's a module which provide access to Tk themed widgets.

3.from PIL import Image, ImageTk : -The ImageTk module contains support to create and modify Tkinter BitmapImage and PhotoImage.

4.import mysql.connector : -

To create connection to the MySQL server.

5.import numpy as np : -

It is used to import the all functionalities of numpy like multidimensional array and matrix data structure.

6.import smtplib : -

This module is used to define SMTP client session object that can be used to send mail to any internet machine.

7. from email.mime.text import MIMEText : -

This class is used to create MIME objects of major type text.

8. from email.mime.multipart import MIMEMultipart : -

Multipart class is used to define its own content type

9. from email.mime.base import MIMEBase : -

It is a base class for mime specialization.

10. from email import encoders : -

It is used to encode the messages payload.

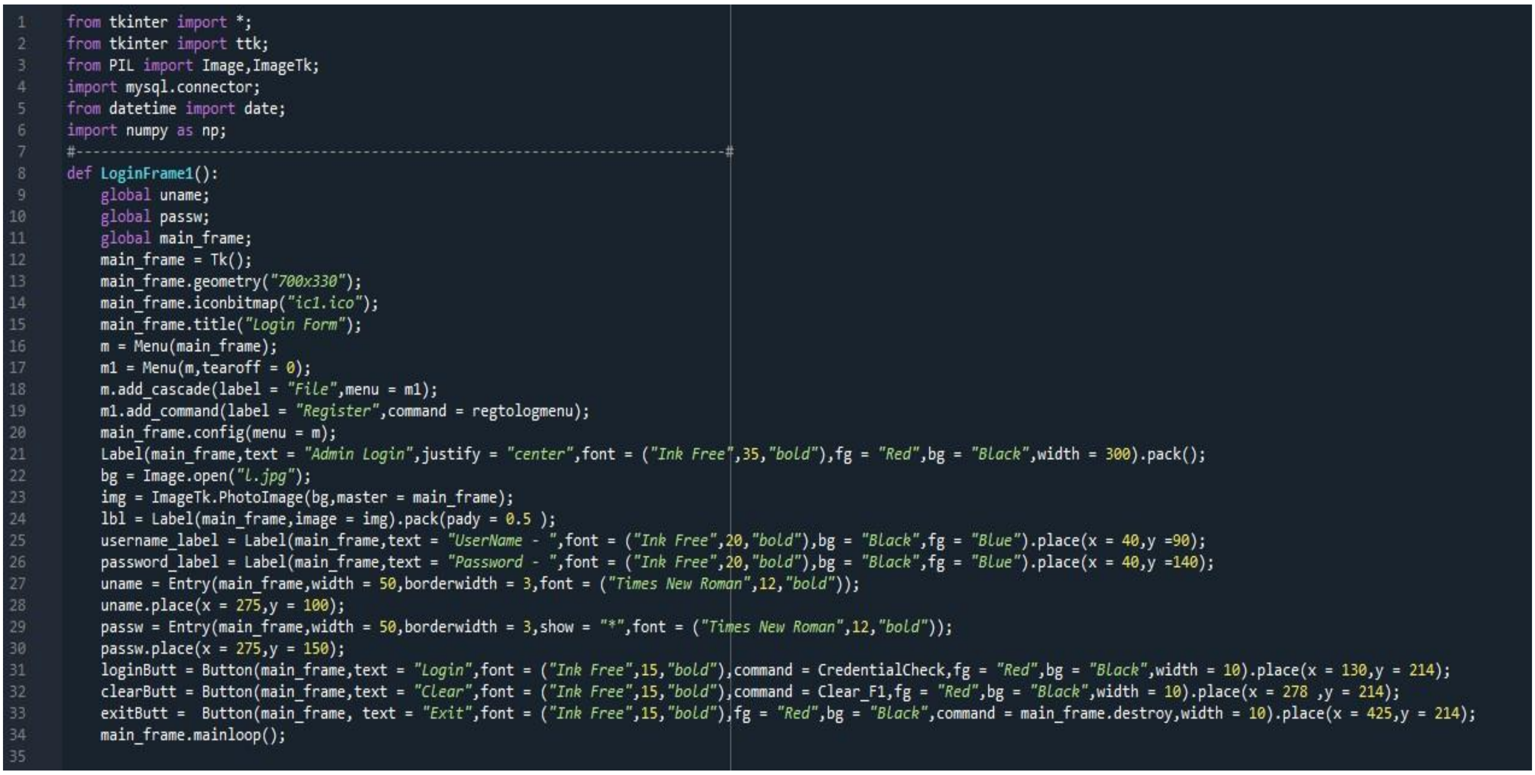
ADVANTAGES

- It is useful for health care organization to keep track of medicine supplies and sell of medicines.
- As this particular is having GUI so it would be more and more easier for user to use the interface.

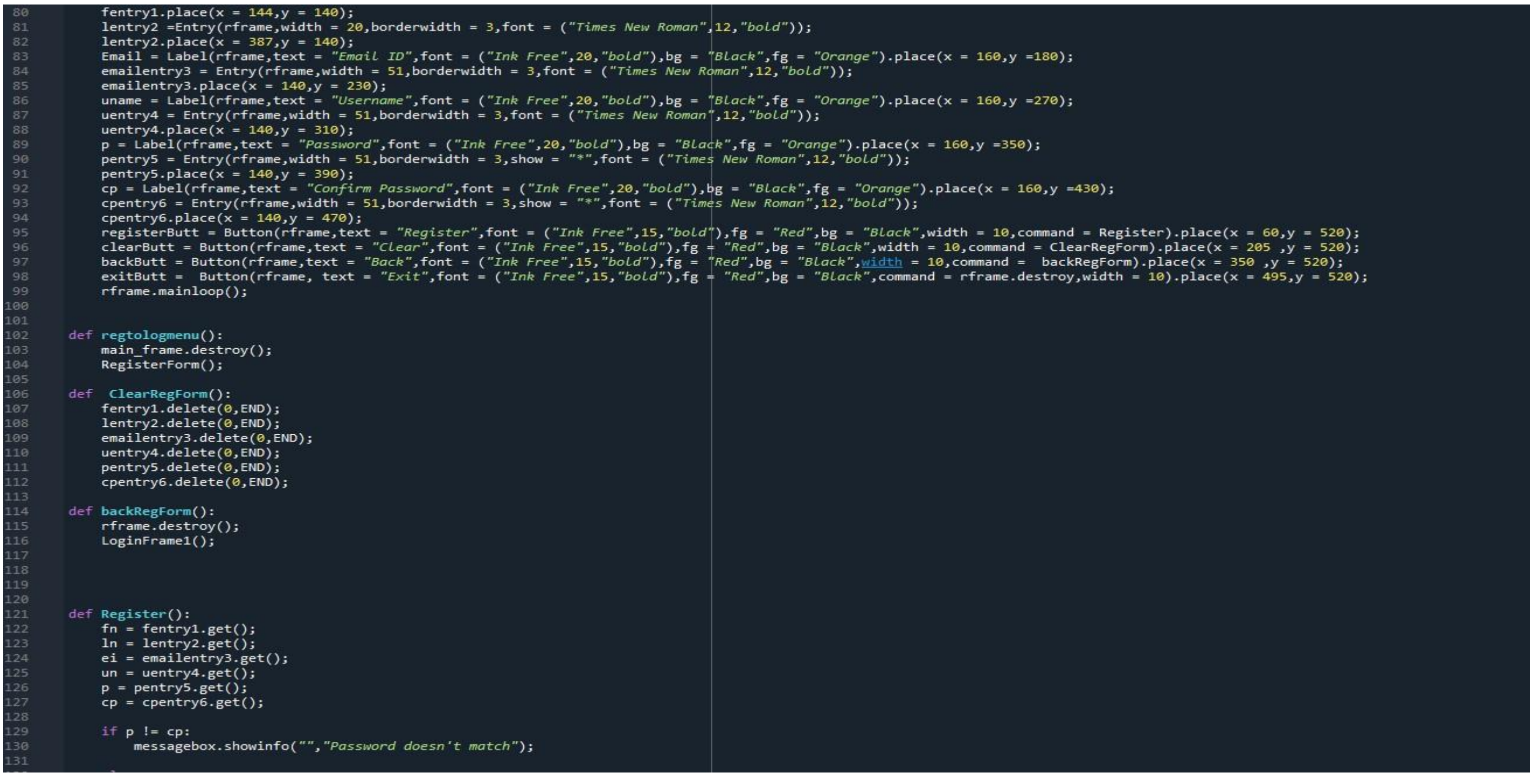
- As it is not possible to handle the data in hard copy so Database in the backend has been used to handle or hold the customers data.

DISADVANTAGES

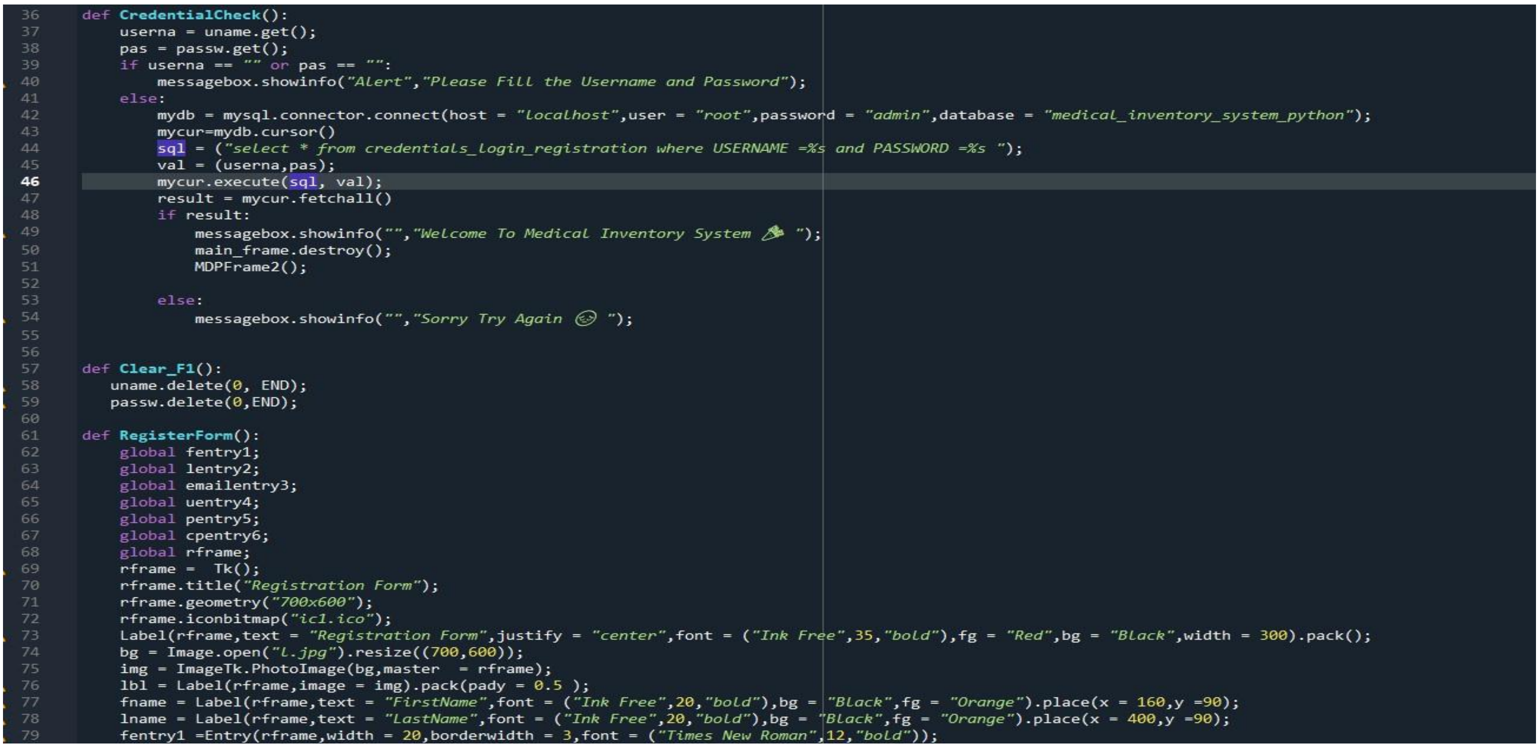
- As implementing and maintaining the application needs money as per requirement.
- User may insert wrong data or record.



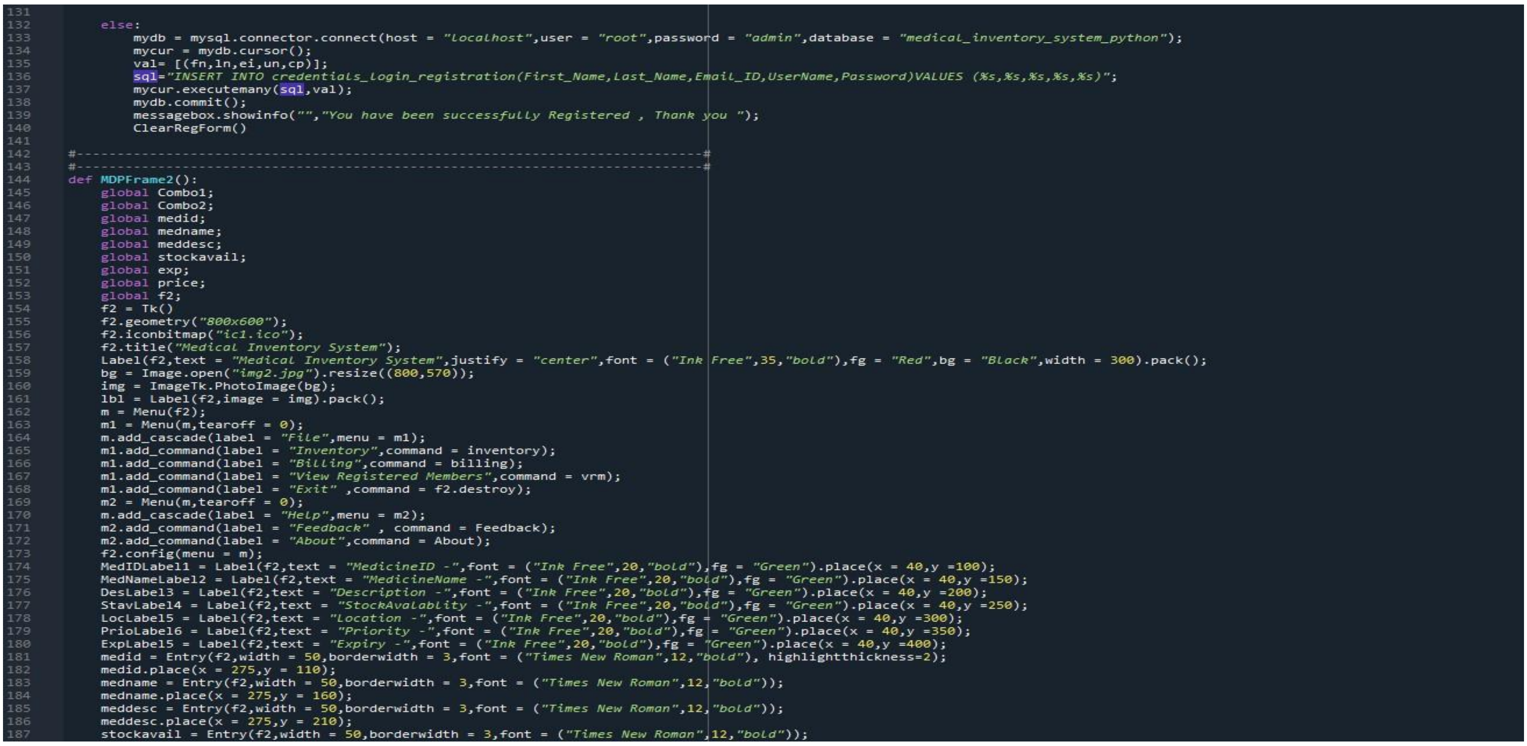
```python
from tkinter import *;
from tkinter import ttk;
from PIL import Image,ImageTk;
import mysql.connector;
from datetime import date;
import numpy as np;
#---------------------------------------------------------------------------#
def LoginFrame1():
    global uname;
    global passw;
    global main_frame;
    main_frame = Tk();
    main_frame.geometry("700x330");
    main_frame.iconbitmap("ic1.ico");
    main_frame.title("Login Form");
    m = Menu(main_frame);
    m1 = Menu(m,tearoff = 0);
    m.add_cascade(label = "File",menu = m1);
    m1.add_command(label = "Register",command = regtologmenu);
    main_frame.config(menu = m);
    Label(main_frame,text = "Admin Login",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
    bg = Image.open("l.jpg");
    img = ImageTk.PhotoImage(bg,master = main_frame);
    lbl = Label(main_frame,image = img).pack(pady = 0.5 );
    username_label = Label(main_frame,text = "UserName - ",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Blue").place(x = 40,y =90);
    password_label = Label(main_frame,text = "Password - ",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Blue").place(x = 40,y =140);
    uname = Entry(main_frame,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    uname.place(x = 275,y = 100);
    passw = Entry(main_frame,width = 50,borderwidth = 3,show = "*",font = ("Times New Roman",12,"bold"));
    passw.place(x = 275,y = 150);
    loginButt = Button(main_frame,text = "Login",font = ("Ink Free",15,"bold"),command = CredentialCheck,fg = "Red",bg = "Black",width = 10).place(x = 130,y = 214);
    clearButt = Button(main_frame,text = "Clear",font = ("Ink Free",15,"bold"),command = Clear_F1,fg = "Red",bg = "Black",width = 10).place(x = 278 ,y = 214);
    exitButt =  Button(main_frame, text = "Exit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",command = main_frame.destroy,width = 10).place(x = 425,y = 214);
    main_frame.mainloop();

```



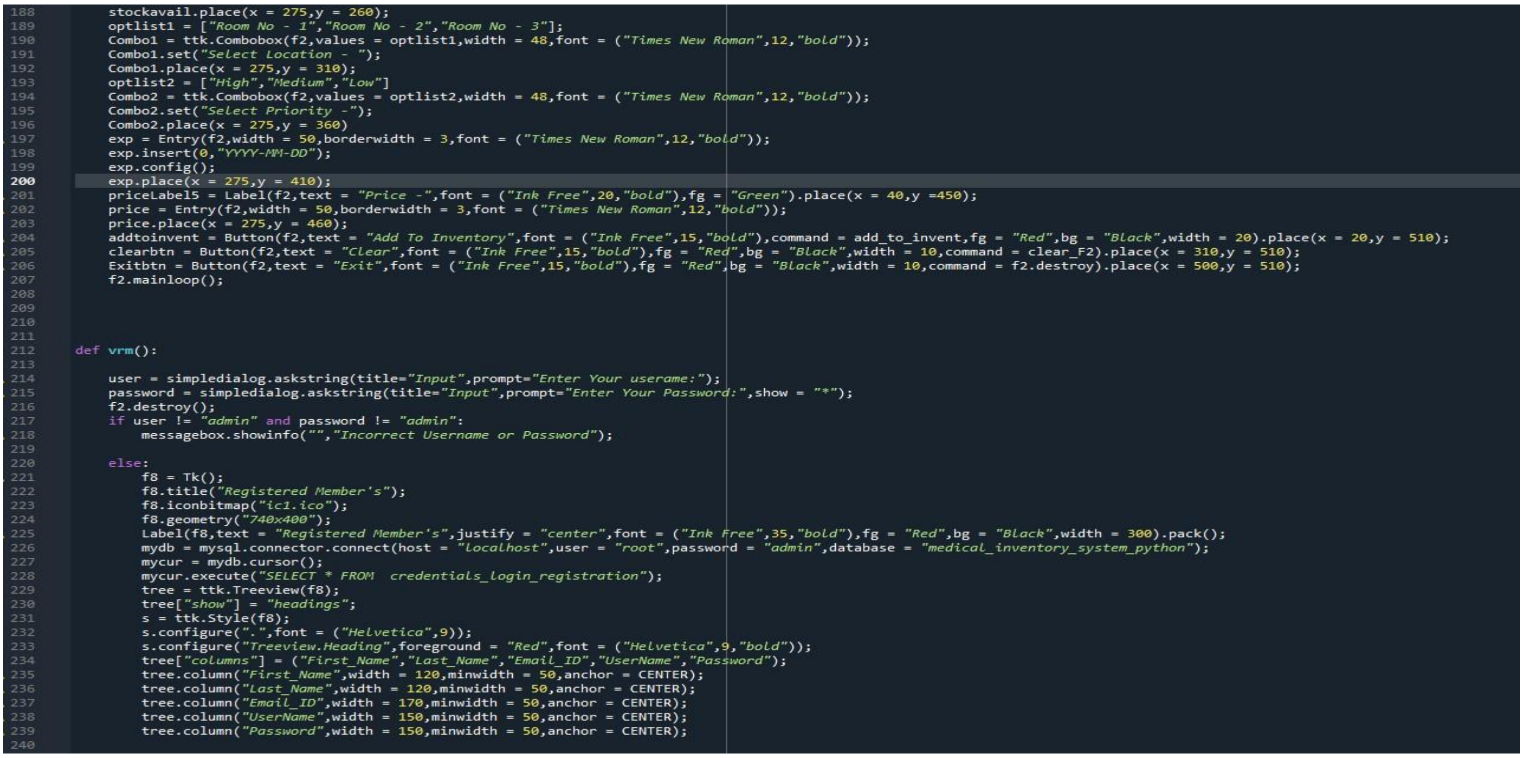
```python
    fentry1.place(x = 144,y = 140);
    lentry2 =Entry(rframe,width = 20,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    lentry2.place(x = 387,y = 140);
    Email = Label(rframe,text = "Email ID",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Orange").place(x = 160,y =180);
    emailentry3 = Entry(rframe,width = 51,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    emailentry3.place(x = 140,y = 230);
    uname = Label(rframe,text = "Username",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Orange").place(x = 160,y =270);
    uentry4 = Entry(rframe,width = 51,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    uentry4.place(x = 140,y = 310);
    p = Label(rframe,text = "Password",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Orange").place(x = 160,y =350);
    pentry5 = Entry(rframe,width = 51,borderwidth = 3,show = "*",font = ("Times New Roman",12,"bold"));
    pentry5.place(x = 140,y = 390);
    cp = Label(rframe,text = "Confirm Password",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Orange").place(x = 160,y =430);
    cpentry6 = Entry(rframe,width = 51,borderwidth = 3,show = "*",font = ("Times New Roman",12,"bold"));
    cpentry6.place(x = 140,y = 470);
    registerButt = Button(rframe,text = "Register",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = Register).place(x = 60,y = 520);
    clearButt = Button(rframe,text = "Clear",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = ClearRegForm).place(x = 205 ,y = 520);
    backButt = Button(rframe,text = "Back",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command =  backRegForm).place(x = 350 ,y = 520);
    exitButt =  Button(rframe, text = "Exit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",command = rframe.destroy,width = 10).place(x = 495,y = 520);
    rframe.mainloop();


def regtologmenu():
    main_frame.destroy();
    RegisterForm();

def  ClearRegForm():
    fentry1.delete(0,END);
    lentry2.delete(0,END);
    emailentry3.delete(0,END);
    uentry4.delete(0,END);
    pentry5.delete(0,END);
    cpentry6.delete(0,END);

def backRegForm():
    rframe.destroy();
    LoginFrame1();



def Register():
    fn = fentry1.get();
    ln = lentry2.get();
    ei = emailentry3.get();
    un = uentry4.get();
    p = pentry5.get();
    cp = cpentry6.get();

    if p != cp:
        messagebox.showinfo("","Password doesn't match");

```



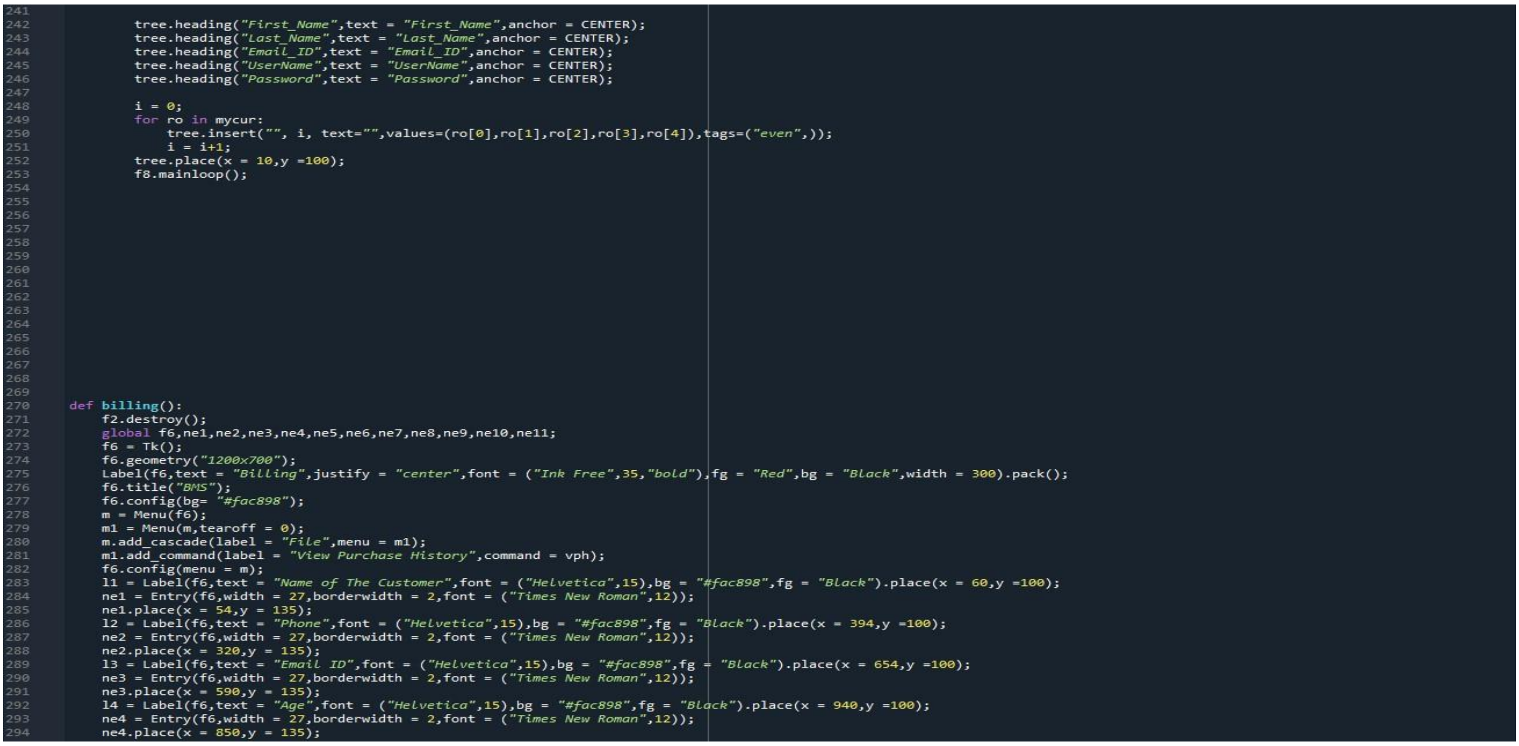
```
def CredentialCheck():
    userna = uname.get();
    pas = passw.get();
    if userna == "" or pas == "":
        messagebox.showinfo("Alert","Please Fill the Username and Password");
    else:
        mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
        mycur=mydb.cursor()
        sql = ("select * from credentials_login_registration where USERNAME =%s and PASSWORD =%s ");
        val = (userna,pas);
        mycur.execute(sql, val);
        result = mycur.fetchall()
        if result:
            messagebox.showinfo("","Welcome To Medical Inventory System 🎉 ");
            main_frame.destroy();
            MDPFrame2();

        else:
            messagebox.showinfo("","Sorry Try Again 😉 ");


def Clear_F1():
   uname.delete(0, END);
   passw.delete(0,END);

def RegisterForm():
    global fentry1;
    global lentry2;
    global emailentry3;
    global uentry4;
    global pentry5;
    global cpentry6;
    global rframe;
    rframe =  Tk();
    rframe.title("Registration Form");
    rframe.geometry("700x600");
    rframe.iconbitmap("ic1.ico");
    Label(rframe,text = "Registration Form",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
    bg = Image.open("l.jpg").resize((700,600));
    img = ImageTk.PhotoImage(bg,master  = rframe);
    lbl = Label(rframe,image = img).pack(pady = 0.5 );
    fname = Label(rframe,text = "FirstName",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Orange").place(x = 160,y =90);
    lname = Label(rframe,text = "LastName",font = ("Ink Free",20,"bold"),bg = "Black",fg = "Orange").place(x = 400,y =90);
    fentry1 =Entry(rframe,width = 20,borderwidth = 3,font = ("Times New Roman",12,"bold"));
```



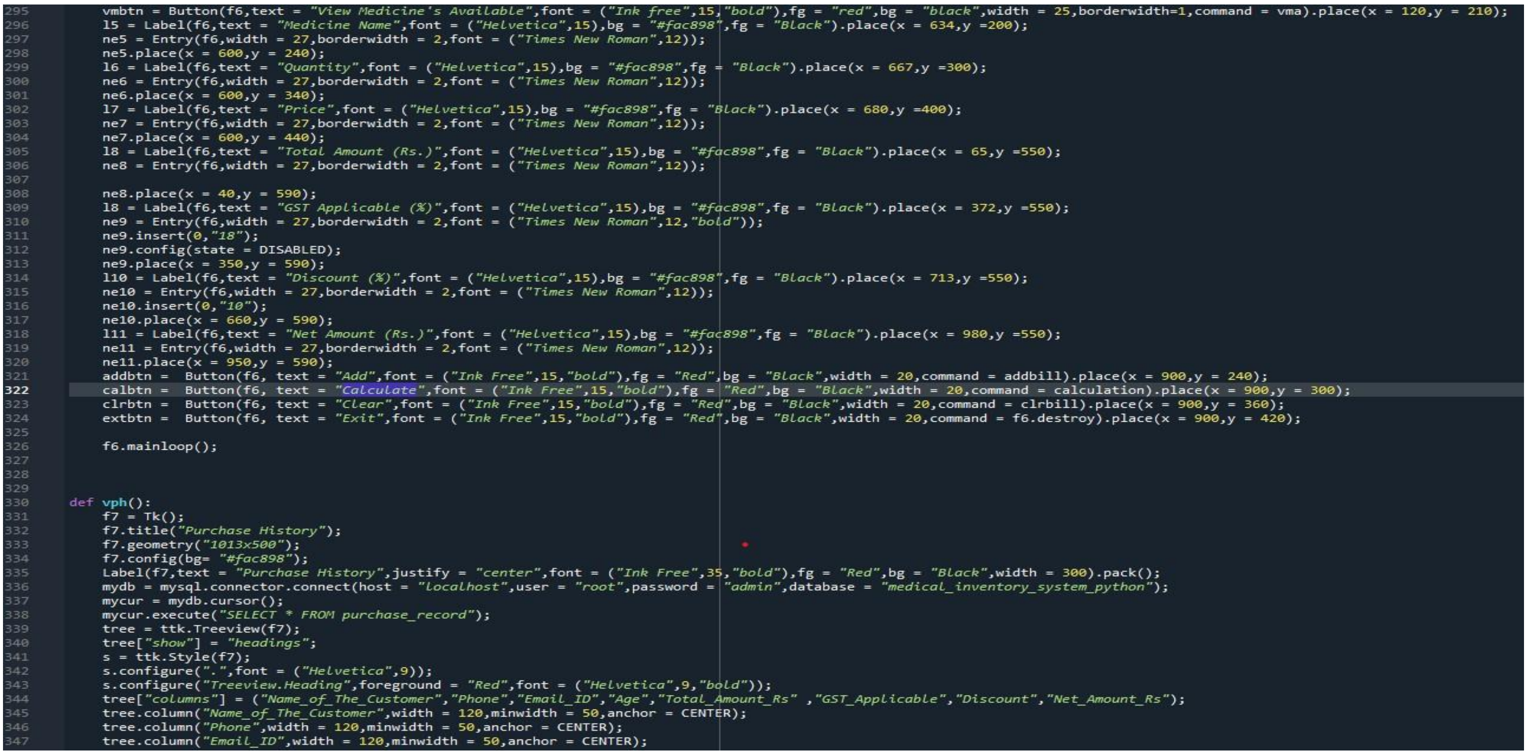
```

    else:
        mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
        mycur = mydb.cursor();
        val= [(fn,ln,ei,un,cp)];
        sql="INSERT INTO credentials_login_registration(First_Name,Last_Name,Email_ID,UserName,Password)VALUES (%s,%s,%s,%s,%s)";
        mycur.executemany(sql,val);
        mydb.commit();
        messagebox.showinfo("","You have been successfully Registered , Thank you ");
        ClearRegForm()

#------------------------------------------------------------------------------#
#------------------------------------------------------------------------------#
def MDPFrame2():
    global Combo1;
    global Combo2;
    global medid;
    global medname;
    global meddesc;
    global stockavail;
    global exp;
    global price;
    global f2;
    f2 = Tk()
    f2.geometry("800x600");
    f2.iconbitmap("ic1.ico");
    f2.title("Medical Inventory System");
    Label(f2,text = "Medical Inventory System",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
    bg = Image.open("img2.jpg").resize((800,570));
    img = ImageTk.PhotoImage(bg);
    lbl = Label(f2,image = img).pack();
    m = Menu(f2);
    m1 = Menu(m,tearoff = 0);
    m.add_cascade(label = "File",menu = m1);
    m1.add_command(label = "Inventory",command = inventory);
    m1.add_command(label = "Billing",command = billing);
    m1.add_command(label = "View Registered Members",command = vrm);
    m1.add_command(label = "Exit" ,command = f2.destroy);
    m2 = Menu(m,tearoff = 0);
    m.add_cascade(label = "Help",menu = m2);
    m2.add_command(label = "Feedback" , command = Feedback);
    m2.add_command(label = "About",command = About);
    f2.config(menu = m);
    MedIDLabel1 = Label(f2,text = "MedicineID -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =100);
    MedNameLabel2 = Label(f2,text = "MedicineName -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =150);
    DesLabel3 = Label(f2,text = "Description -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =200);
    StavLabel4 = Label(f2,text = "StockAvalablity -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =250);
    LocLabel5 = Label(f2,text = "Location -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =300);
    PrioLabel6 = Label(f2,text = "Priority -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =350);
    ExpLabel5 = Label(f2,text = "Expiry -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =400);
    medid = Entry(f2,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"), highlightthickness=2);
    medid.place(x = 275,y = 110);
    medname = Entry(f2,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    medname.place(x = 275,y = 160);
    meddesc = Entry(f2,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    meddesc.place(x = 275,y = 210);
    stockavail = Entry(f2,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"));
```



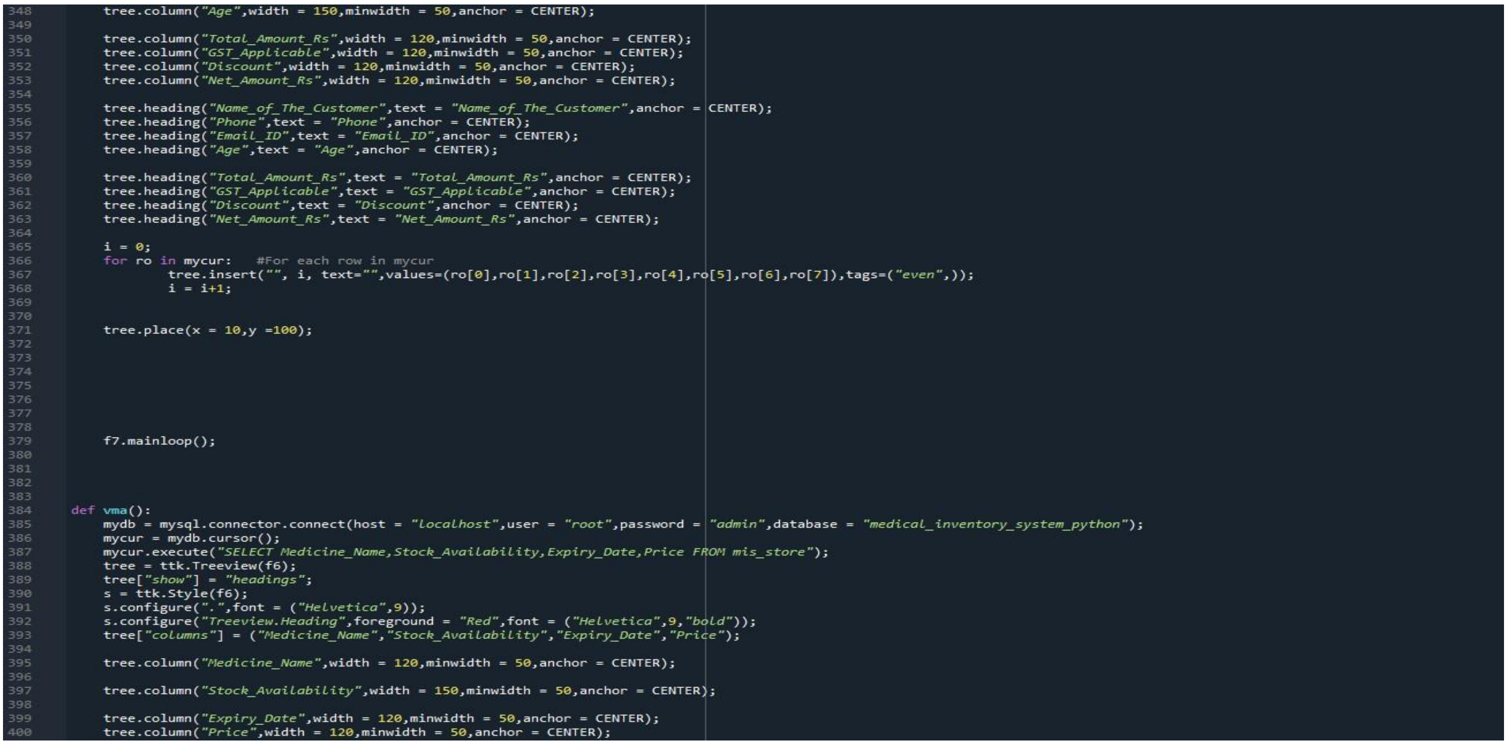
```
    stockavail.place(x = 275,y = 260);
    optlist1 = ["Room No - 1","Room No - 2","Room No - 3"];
    Combo1 = ttk.Combobox(f2,values = optlist1,width = 48,font = ("Times New Roman",12,"bold"));
    Combo1.set("Select Location - ");
    Combo1.place(x = 275,y = 310);
    optlist2 = ["High","Medium","Low"]
    Combo2 = ttk.Combobox(f2,values = optlist2,width = 48,font = ("Times New Roman",12,"bold"));
    Combo2.set("Select Priority -");
    Combo2.place(x = 275,y = 360)
    exp = Entry(f2,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    exp.insert(0,"YYYY-MM-DD");
    exp.config();
    exp.place(x = 275,y = 410);
    priceLabel5 = Label(f2,text = "Price -",font = ("Ink Free",20,"bold"),fg = "Green").place(x = 40,y =450);
    price = Entry(f2,width = 50,borderwidth = 3,font = ("Times New Roman",12,"bold"));
    price.place(x = 275,y = 460);
    addtoinvent = Button(f2,text = "Add To Inventory",font = ("Ink Free",15,"bold"),command = add_to_invent,fg = "Red",bg = "Black",width = 20).place(x = 20,y = 510);
    clearbtn = Button(f2,text = "Clear",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = clear_F2).place(x = 310,y = 510);
    Exitbtn = Button(f2,text = "Exit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = f2.destroy).place(x = 500,y = 510);
    f2.mainloop();




def vrm():

    user = simpledialog.askstring(title="Input",prompt="Enter Your userame:");
    password = simpledialog.askstring(title="Input",prompt="Enter Your Password:",show = "*");
    f2.destroy();
    if user != "admin" and password != "admin":
        messagebox.showinfo("","Incorrect Username or Password");

    else:
        f8 = Tk();
        f8.title("Registered Member's");
        f8.iconbitmap("ic1.ico");
        f8.geometry("740x400");
        Label(f8,text = "Registered Member's",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
        mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
        mycur = mydb.cursor();
        mycur.execute("SELECT * FROM  credentials_login_registration");
        tree = ttk.Treeview(f8);
        tree["show"] = "headings";
        s = ttk.Style(f8);
        s.configure(".",font = ("Helvetica",9));
        s.configure("Treeview.Heading",foreground = "Red",font = ("Helvetica",9,"bold"));
        tree["columns"] = ("First_Name","Last_Name","Email_ID","UserName","Password");
        tree.column("First_Name",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Last_Name",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Email_ID",width = 170,minwidth = 50,anchor = CENTER);
        tree.column("UserName",width = 150,minwidth = 50,anchor = CENTER);
        tree.column("Password",width = 150,minwidth = 50,anchor = CENTER);

```



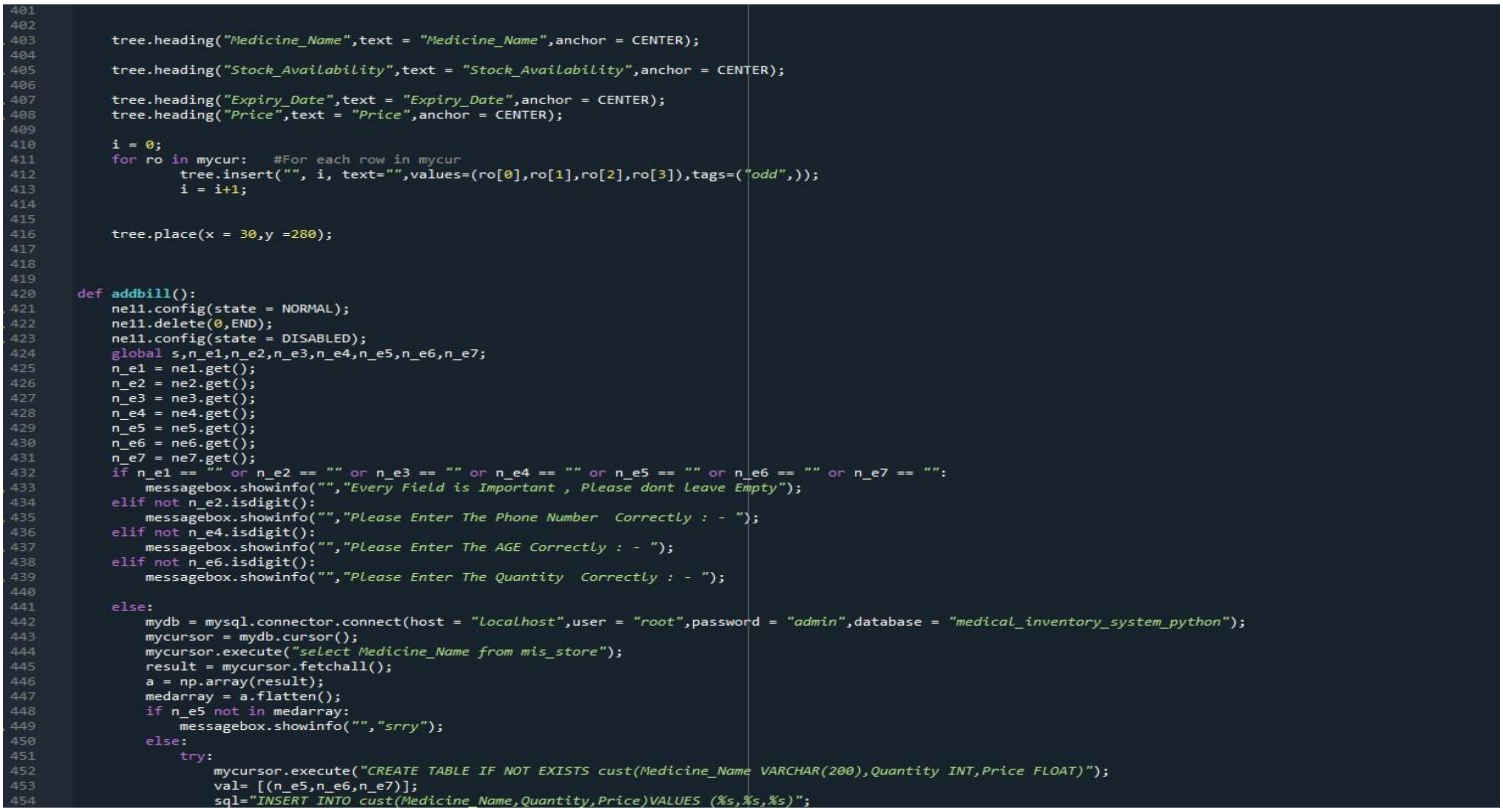
```

        tree.heading("First_Name",text = "First_Name",anchor = CENTER);
        tree.heading("Last_Name",text = "Last_Name",anchor = CENTER);
        tree.heading("Email_ID",text = "Email_ID",anchor = CENTER);
        tree.heading("UserName",text = "UserName",anchor = CENTER);
        tree.heading("Password",text = "Password",anchor = CENTER);

        i = 0;
        for ro in mycur:
            tree.insert("", i, text="",values=(ro[0],ro[1],ro[2],ro[3],ro[4]),tags=("even",));
            i = i+1;
        tree.place(x = 10,y =100);
        f8.mainloop();
















def billing():
    f2.destroy();
    global f6,ne1,ne2,ne3,ne4,ne5,ne6,ne7,ne8,ne9,ne10,ne11;
    f6 = Tk();
    f6.geometry("1200x700");
    Label(f6,text = "Billing",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
    f6.title("BMS");
    f6.config(bg= "#fac898");
    m = Menu(f6);
    m1 = Menu(m,tearoff = 0);
    m.add_cascade(label = "File",menu = m1);
    m1.add_command(label = "View Purchase History",command = vph);
    f6.config(menu = m);
    l1 = Label(f6,text = "Name of The Customer",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 60,y =100);
    ne1 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
    ne1.place(x = 54,y = 135);
    l2 = Label(f6,text = "Phone",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 394,y =100);
    ne2 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
    ne2.place(x = 320,y = 135);
    l3 = Label(f6,text = "Email ID",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 654,y =100);
    ne3 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
    ne3.place(x = 590,y = 135);
    l4 = Label(f6,text = "Age",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 940,y =100);
    ne4 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
    ne4.place(x = 850,y = 135);
```



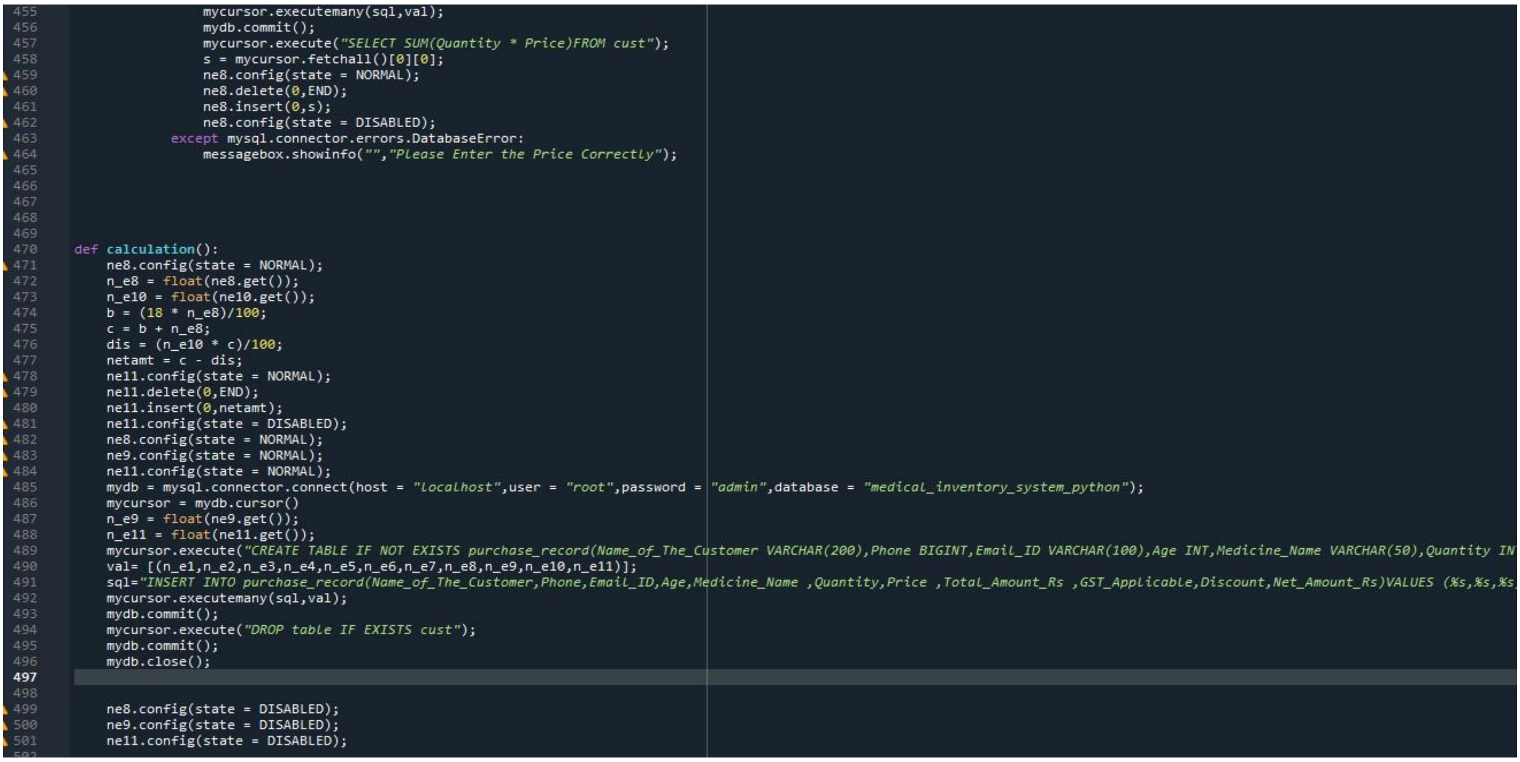
```python
        vmbtn = Button(f6,text = "View Medicine's Available",font = ("Ink free",15,"bold"),fg = "red",bg = "black",width = 25,borderwidth=1,command = vma).place(x = 120,y = 210);
        l5 = Label(f6,text = "Medicine Name",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 634,y =200);
        ne5 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
        ne5.place(x = 600,y = 240);
        l6 = Label(f6,text = "Quantity",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 667,y =300);
        ne6 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
        ne6.place(x = 600,y = 340);
        l7 = Label(f6,text = "Price",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 680,y =400);
        ne7 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
        ne7.place(x = 600,y = 440);
        l8 = Label(f6,text = "Total Amount (Rs.)",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 65,y =550);
        ne8 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));

        ne8.place(x = 40,y = 590);
        l8 = Label(f6,text = "GST Applicable (%)",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 372,y =550);
        ne9 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12,"bold"));
        ne9.insert(0,"18");
        ne9.config(state = DISABLED);
        ne9.place(x = 350,y = 590);
        l10 = Label(f6,text = "Discount (%)",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 713,y =550);
        ne10 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
        ne10.insert(0,"10");
        ne10.place(x = 660,y = 590);
        l11 = Label(f6,text = "Net Amount (Rs.)",font = ("Helvetica",15),bg = "#fac898",fg = "Black").place(x = 980,y =550);
        ne11 = Entry(f6,width = 27,borderwidth = 2,font = ("Times New Roman",12));
        ne11.place(x = 950,y = 590);
        addbtn =  Button(f6, text = "Add",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 20,command = addbill).place(x = 900,y = 240);
        calbtn =  Button(f6, text = "Calculate",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 20,command = calculation).place(x = 900,y = 300);
        clrbtn =  Button(f6, text = "Clear",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 20,command = clrbill).place(x = 900,y = 360);
        extbtn =  Button(f6, text = "Exit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 20,command = f6.destroy).place(x = 900,y = 420);

        f6.mainloop();



    def vph():
        f7 = Tk();
        f7.title("Purchase History");
        f7.geometry("1013x500");
        f7.config(bg= "#fac898");
        Label(f7,text = "Purchase History",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
        mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
        mycur = mydb.cursor();
        mycur.execute("SELECT * FROM purchase_record");
        tree = ttk.Treeview(f7);
        tree["show"] = "headings";
        s = ttk.Style(f7);
        s.configure(".",font = ("Helvetica",9));
        s.configure("Treeview.Heading",foreground = "Red",font = ("Helvetica",9,"bold"));
        tree["columns"] = ("Name_of_The_Customer","Phone","Email_ID","Age","Total_Amount_Rs" ,"GST_Applicable","Discount","Net_Amount_Rs");
        tree.column("Name_of_The_Customer",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Phone",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Email_ID",width = 120,minwidth = 50,anchor = CENTER);
```



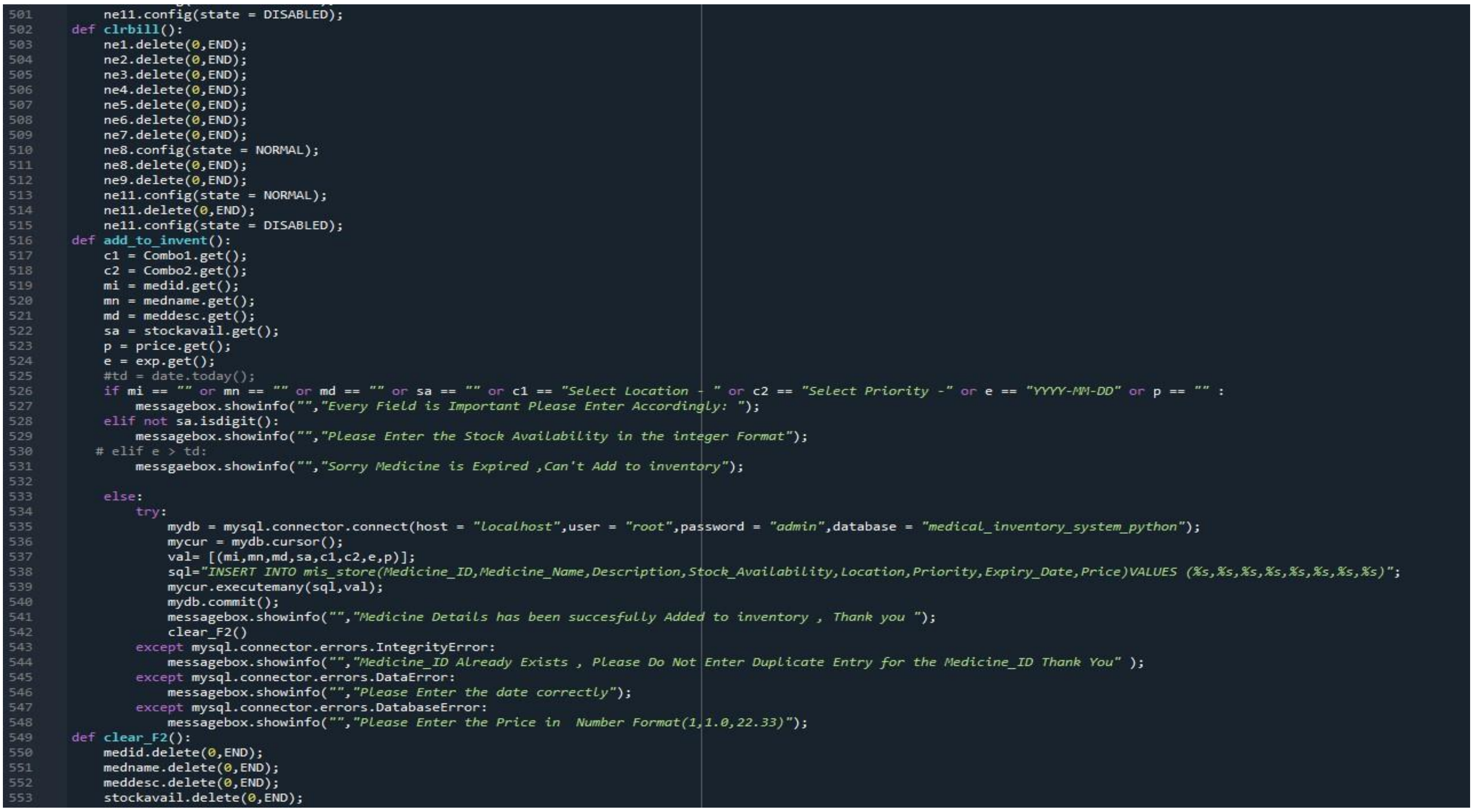
```python
        tree.column("Age",width = 150,minwidth = 50,anchor = CENTER);

        tree.column("Total_Amount_Rs",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("GST_Applicable",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Discount",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Net_Amount_Rs",width = 120,minwidth = 50,anchor = CENTER);

        tree.heading("Name_of_The_Customer",text = "Name_of_The_Customer",anchor = CENTER);
        tree.heading("Phone",text = "Phone",anchor = CENTER);
        tree.heading("Email_ID",text = "Email_ID",anchor = CENTER);
        tree.heading("Age",text = "Age",anchor = CENTER);

        tree.heading("Total_Amount_Rs",text = "Total_Amount_Rs",anchor = CENTER);
        tree.heading("GST_Applicable",text = "GST_Applicable",anchor = CENTER);
        tree.heading("Discount",text = "Discount",anchor = CENTER);
        tree.heading("Net_Amount_Rs",text = "Net_Amount_Rs",anchor = CENTER);

        i = 0;
        for ro in mycur:   #For each row in mycur
                tree.insert("", i, text="",values=(ro[0],ro[1],ro[2],ro[3],ro[4],ro[5],ro[6],ro[7]),tags=("even",));
                i = i+1;


        tree.place(x = 10,y =100);








        f7.mainloop();




    def vma():
        mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
        mycur = mydb.cursor();
        mycur.execute("SELECT Medicine_Name,Stock_Availability,Expiry_Date,Price FROM mis_store");
        tree = ttk.Treeview(f6);
        tree["show"] = "headings";
        s = ttk.Style(f6);
        s.configure(".",font = ("Helvetica",9));
        s.configure("Treeview.Heading",foreground = "Red",font = ("Helvetica",9,"bold"));
        tree["columns"] = ("Medicine_Name","Stock_Availability","Expiry_Date","Price");

        tree.column("Medicine_Name",width = 120,minwidth = 50,anchor = CENTER);

        tree.column("Stock_Availability",width = 150,minwidth = 50,anchor = CENTER);

        tree.column("Expiry_Date",width = 120,minwidth = 50,anchor = CENTER);
        tree.column("Price",width = 120,minwidth = 50,anchor = CENTER);
```



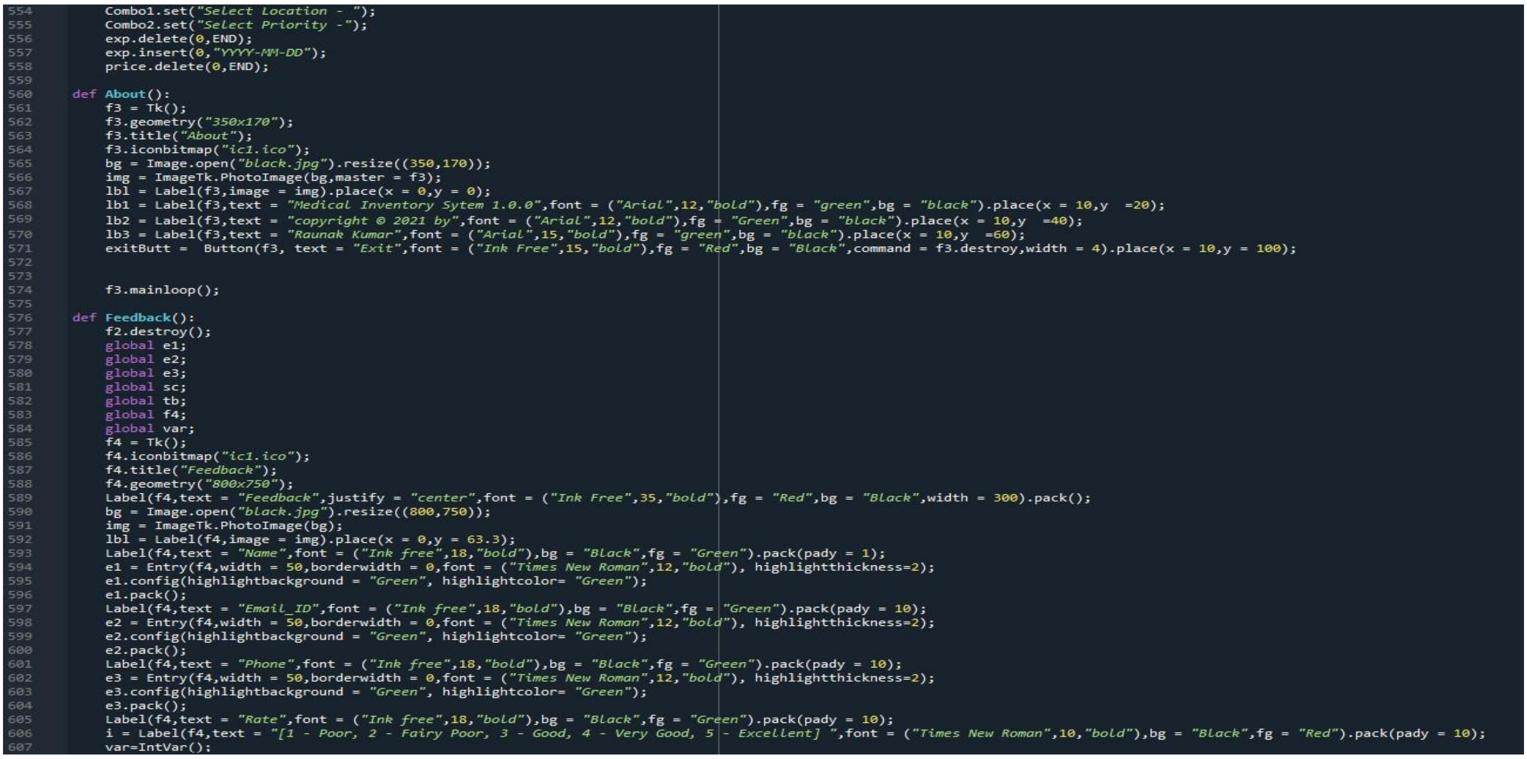
```
    tree.heading("Medicine_Name",text = "Medicine_Name",anchor = CENTER);

    tree.heading("Stock_Availability",text = "Stock_Availability",anchor = CENTER);

    tree.heading("Expiry_Date",text = "Expiry_Date",anchor = CENTER);
    tree.heading("Price",text = "Price",anchor = CENTER);

    i = 0;
    for ro in mycur:   #For each row in mycur
            tree.insert("", i, text="",values=(ro[0],ro[1],ro[2],ro[3]),tags=("odd",));
            i = i+1;


    tree.place(x = 30,y =280);



def addbill():
    ne11.config(state = NORMAL);
    ne11.delete(0,END);
    ne11.config(state = DISABLED);
    global s,n_e1,n_e2,n_e3,n_e4,n_e5,n_e6,n_e7;
    n_e1 = ne1.get();
    n_e2 = ne2.get();
    n_e3 = ne3.get();
    n_e4 = ne4.get();
    n_e5 = ne5.get();
    n_e6 = ne6.get();
    n_e7 = ne7.get();
    if n_e1 == "" or n_e2 == "" or n_e3 == "" or n_e4 == "" or n_e5 == "" or n_e6 == "" or n_e7 == "":
        messagebox.showinfo("","Every Field is Important , Please dont leave Empty");
    elif not n_e2.isdigit():
        messagebox.showinfo("","Please Enter The Phone Number  Correctly : - ");
    elif not n_e4.isdigit():
        messagebox.showinfo("","Please Enter The AGE Correctly : - ");
    elif not n_e6.isdigit():
        messagebox.showinfo("","Please Enter The Quantity  Correctly : - ");

    else:
        mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
        mycursor = mydb.cursor();
        mycursor.execute("select Medicine_Name from mis_store");
        result = mycursor.fetchall();
        a = np.array(result);
        medarray = a.flatten();
        if n_e5 not in medarray:
            messagebox.showinfo("","srry");
        else:
            try:
                mycursor.execute("CREATE TABLE IF NOT EXISTS cust(Medicine_Name VARCHAR(200),Quantity INT,Price FLOAT)");
                val= [(n_e5,n_e6,n_e7)];
                sql="INSERT INTO cust(Medicine_Name,Quantity,Price)VALUES (%s,%s,%s)";
```



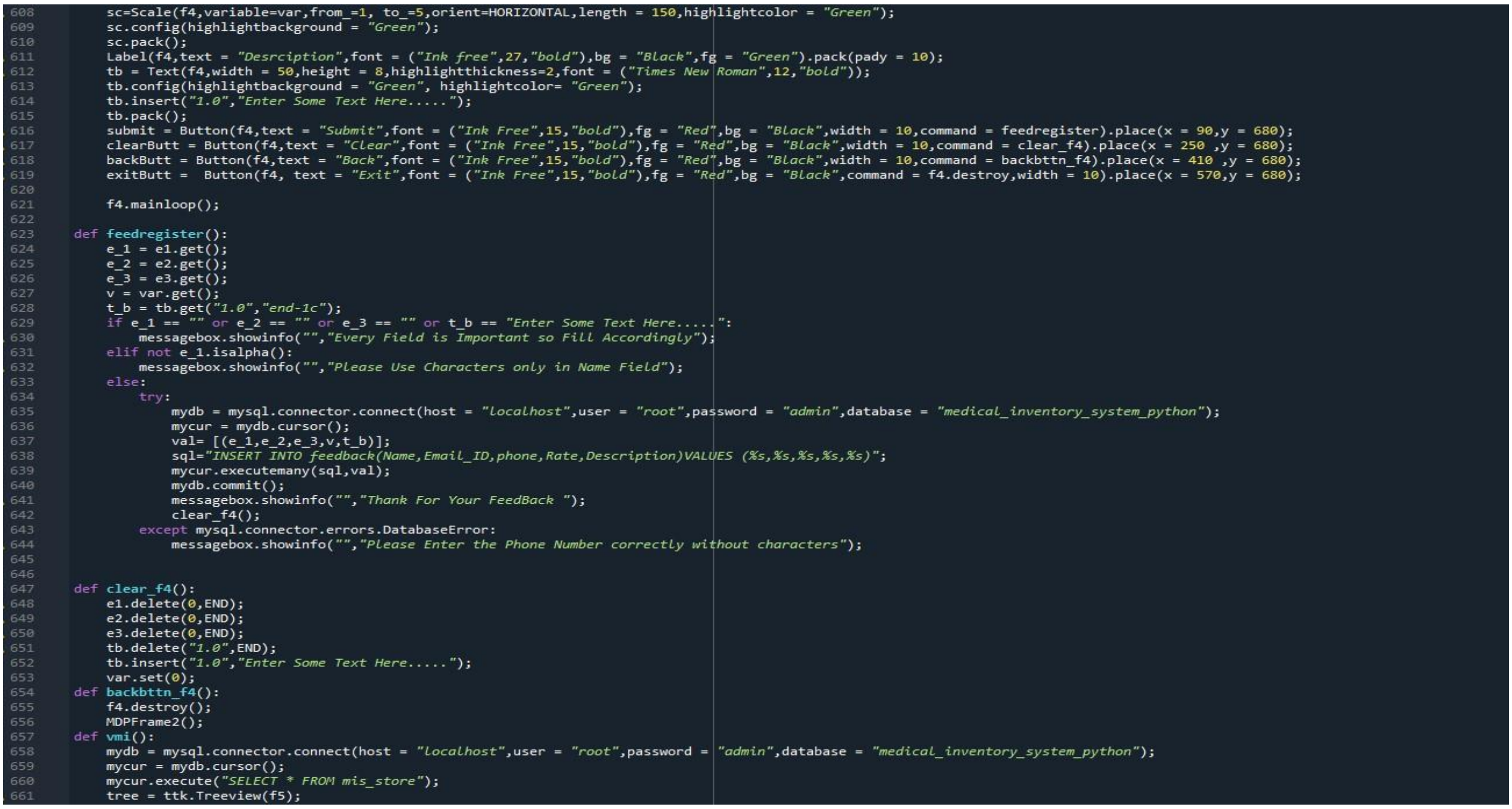
```
                mycursor.executemany(sql,val);
                mydb.commit();
                mycursor.execute("SELECT SUM(Quantity * Price)FROM cust");
                s = mycursor.fetchall()[0][0];
                ne8.config(state = NORMAL);
                ne8.delete(0,END);
                ne8.insert(0,s);
                ne8.config(state = DISABLED);
            except mysql.connector.errors.DatabaseError:
                messagebox.showinfo("","Please Enter the Price Correctly");






def calculation():
    ne8.config(state = NORMAL);
    n_e8 = float(ne8.get());
    n_e10 = float(ne10.get());
    b = (18 * n_e8)/100;
    c = b + n_e8;
    dis = (n_e10 * c)/100;
    netamt = c - dis;
    ne11.config(state = NORMAL);
    ne11.delete(0,END);
    ne11.insert(0,netamt);
    ne11.config(state = DISABLED);
    ne8.config(state = NORMAL);
    ne9.config(state = NORMAL);
    ne11.config(state = NORMAL);
    mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
    mycursor = mydb.cursor()
    n_e9 = float(ne9.get());
    n_e11 = float(ne11.get());
    mycursor.execute("CREATE TABLE IF NOT EXISTS purchase_record(Name_of_The_Customer VARCHAR(200),Phone BIGINT,Email_ID VARCHAR(100),Age INT,Medicine_Name VARCHAR(50),Quantity IN
    val= [(n_e1,n_e2,n_e3,n_e4,n_e5,n_e6,n_e7,n_e8,n_e9,n_e10,n_e11)];
    sql="INSERT INTO purchase_record(Name_of_The_Customer,Phone,Email_ID,Age,Medicine_Name ,Quantity,Price ,Total_Amount_Rs ,GST_Applicable,Discount,Net_Amount_Rs)VALUES (%s,%s,%s
    mycursor.executemany(sql,val);
    mydb.commit();
    mycursor.execute("DROP table IF EXISTS cust");
    mydb.commit();
    mydb.close();


    ne8.config(state = DISABLED);
    ne9.config(state = DISABLED);
    ne11.config(state = DISABLED);
```



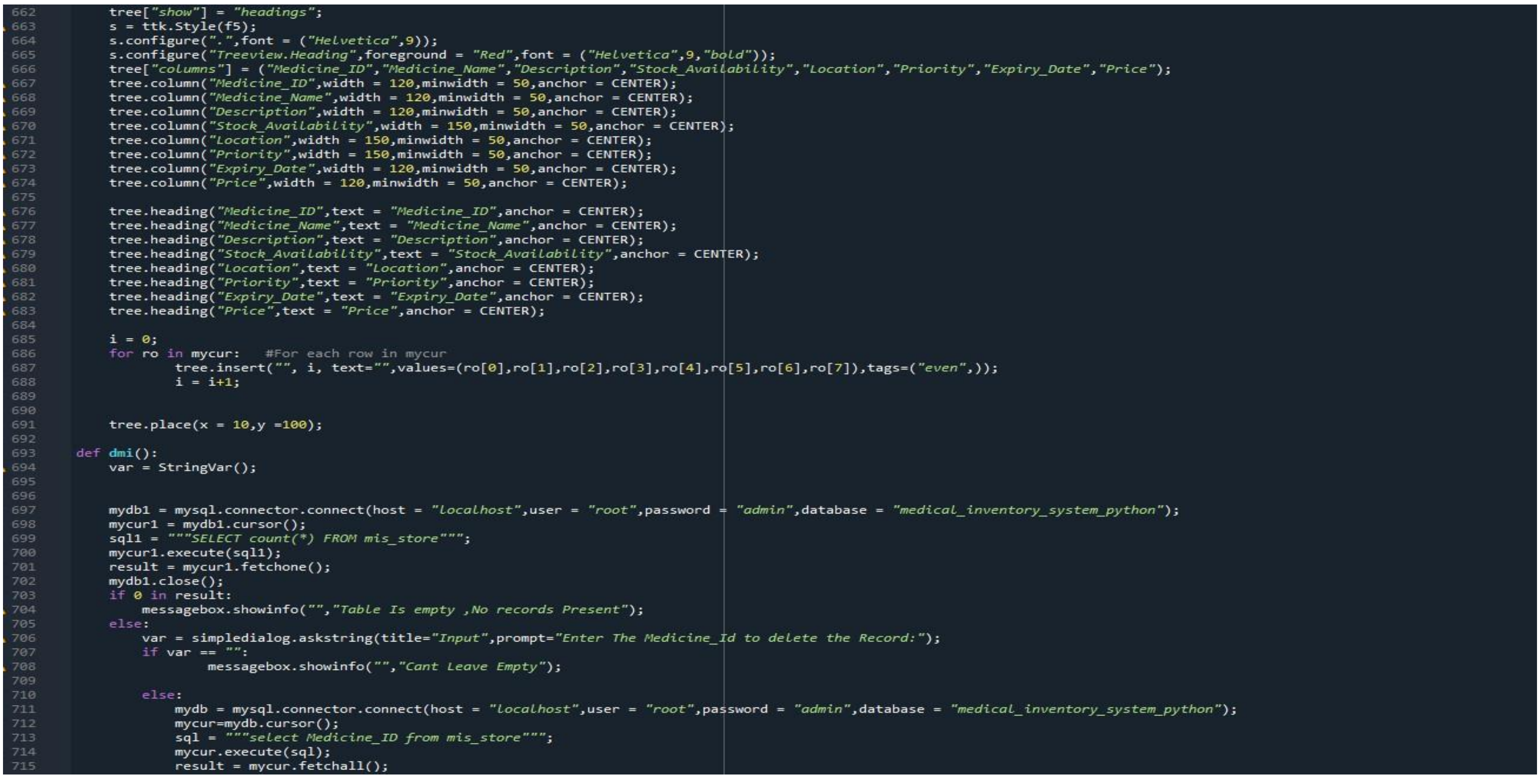
```
        ne11.config(state = DISABLED);
    def clrbill():
        ne1.delete(0,END);
        ne2.delete(0,END);
        ne3.delete(0,END);
        ne4.delete(0,END);
        ne5.delete(0,END);
        ne6.delete(0,END);
        ne7.delete(0,END);
        ne8.config(state = NORMAL);
        ne8.delete(0,END);
        ne9.delete(0,END);
        ne11.config(state = NORMAL);
        ne11.delete(0,END);
        ne11.config(state = DISABLED);
    def add_to_invent():
        c1 = Combo1.get();
        c2 = Combo2.get();
        mi = medid.get();
        mn = medname.get();
        md = meddesc.get();
        sa = stockavail.get();
        p = price.get();
        e = exp.get();
        #td = date.today();
        if mi == "" or mn == "" or md == "" or sa == "" or c1 == "Select Location - " or c2 == "Select Priority -" or e == "YYYY-MM-DD" or p == "" :
            messagebox.showinfo("","Every Field is Important Please Enter Accordingly: ");
        elif not sa.isdigit():
            messagebox.showinfo("","Please Enter the Stock Availability in the integer Format");
       # elif e > td:
            messgaebox.showinfo("","Sorry Medicine is Expired ,Can't Add to inventory");

        else:
            try:
                mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
                mycur = mydb.cursor();
                val= [(mi,mn,md,sa,c1,c2,e,p)];
                sql="INSERT INTO mis_store(Medicine_ID,Medicine_Name,Description,Stock_Availability,Location,Priority,Expiry_Date,Price)VALUES (%s,%s,%s,%s,%s,%s,%s,%s)";
                mycur.executemany(sql,val);
                mydb.commit();
                messagebox.showinfo("","Medicine Details has been succesfully Added to inventory , Thank you ");
                clear_F2()
            except mysql.connector.errors.IntegrityError:
                messagebox.showinfo("","Medicine_ID Already Exists , Please Do Not Enter Duplicate Entry for the Medicine_ID Thank You" );
            except mysql.connector.errors.DataError:
                messagebox.showinfo("","Please Enter the date correctly");
            except mysql.connector.errors.DatabaseError:
                messagebox.showinfo("","Please Enter the Price in  Number Format(1,1.0,22.33)");
    def clear_F2():
        medid.delete(0,END);
        medname.delete(0,END);
        meddesc.delete(0,END);
        stockavail.delete(0,END);
```



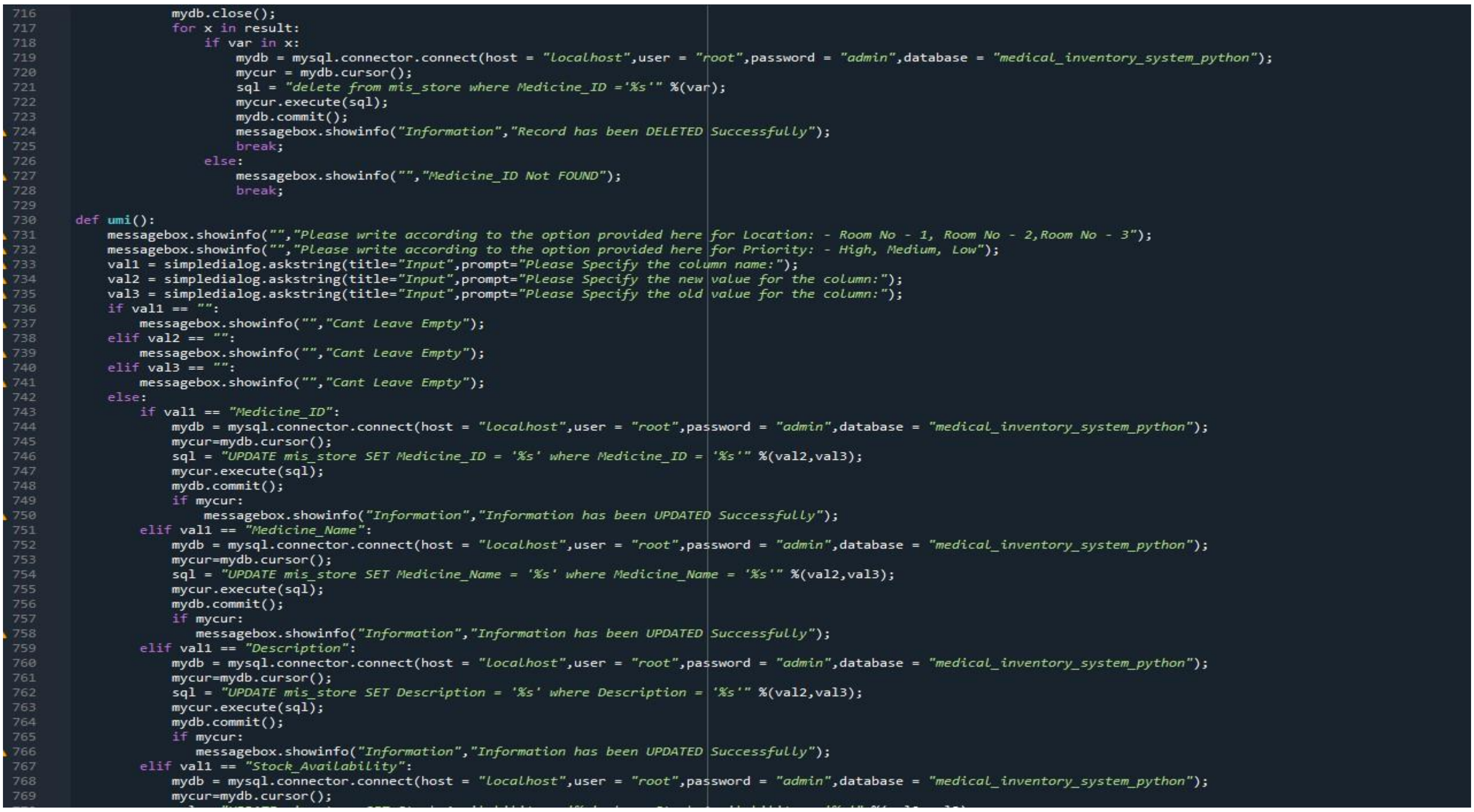
```
        Combo1.set("Select Location - ");
        Combo2.set("Select Priority -");
        exp.delete(0,END);
        exp.insert(0,"YYYY-MM-DD");
        price.delete(0,END);

    def About():
        f3 = Tk();
        f3.geometry("350x170");
        f3.title("About");
        f3.iconbitmap("ic1.ico");
        bg = Image.open("black.jpg").resize((350,170));
        img = ImageTk.PhotoImage(bg,master = f3);
        lbl = Label(f3,image = img).place(x = 0,y = 0);
        lb1 = Label(f3,text = "Medical Inventory Sytem 1.0.0",font = ("Arial",12,"bold"),fg = "green",bg = "black").place(x = 10,y  =20);
        lb2 = Label(f3,text = "copyright © 2021 by",font = ("Arial",12,"bold"),fg = "Green",bg = "black").place(x = 10,y  =40);
        lb3 = Label(f3,text = "Raunak Kumar",font = ("Arial",15,"bold"),fg = "green",bg = "black").place(x = 10,y  =60);
        exitButt =  Button(f3, text = "Exit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",command = f3.destroy,width = 4).place(x = 10,y = 100);


        f3.mainloop();

    def Feedback():
        f2.destroy();
        global e1;
        global e2;
        global e3;
        global sc;
        global tb;
        global f4;
        global var;
        f4 = Tk();
        f4.iconbitmap("ic1.ico");
        f4.title("Feedback");
        f4.geometry("800x750");
        Label(f4,text = "Feedback",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
        bg = Image.open("black.jpg").resize((800,750));
        img = ImageTk.PhotoImage(bg);
        lbl = Label(f4,image = img).place(x = 0,y = 63.3);
        Label(f4,text = "Name",font = ("Ink free",18,"bold"),bg = "Black",fg = "Green").pack(pady = 1);
        e1 = Entry(f4,width = 50,borderwidth = 0,font = ("Times New Roman",12,"bold"), highlightthickness=2);
        e1.config(highlightbackground = "Green", highlightcolor= "Green");
        e1.pack();
        Label(f4,text = "Email_ID",font = ("Ink free",18,"bold"),bg = "Black",fg = "Green").pack(pady = 10);
        e2 = Entry(f4,width = 50,borderwidth = 0,font = ("Times New Roman",12,"bold"), highlightthickness=2);
        e2.config(highlightbackground = "Green", highlightcolor= "Green");
        e2.pack();
        Label(f4,text = "Phone",font = ("Ink free",18,"bold"),bg = "Black",fg = "Green").pack(pady = 10);
        e3 = Entry(f4,width = 50,borderwidth = 0,font = ("Times New Roman",12,"bold"), highlightthickness=2);
        e3.config(highlightbackground = "Green", highlightcolor= "Green");
        e3.pack();
        Label(f4,text = "Rate",font = ("Ink free",18,"bold"),bg = "Black",fg = "Green").pack(pady = 10);
        i = Label(f4,text = "[1 - Poor, 2 - Fairy Poor, 3 - Good, 4 - Very Good, 5 - Excellent] ",font = ("Times New Roman",10,"bold"),bg = "Black",fg = "Red").pack(pady = 10);
        var=IntVar();
```



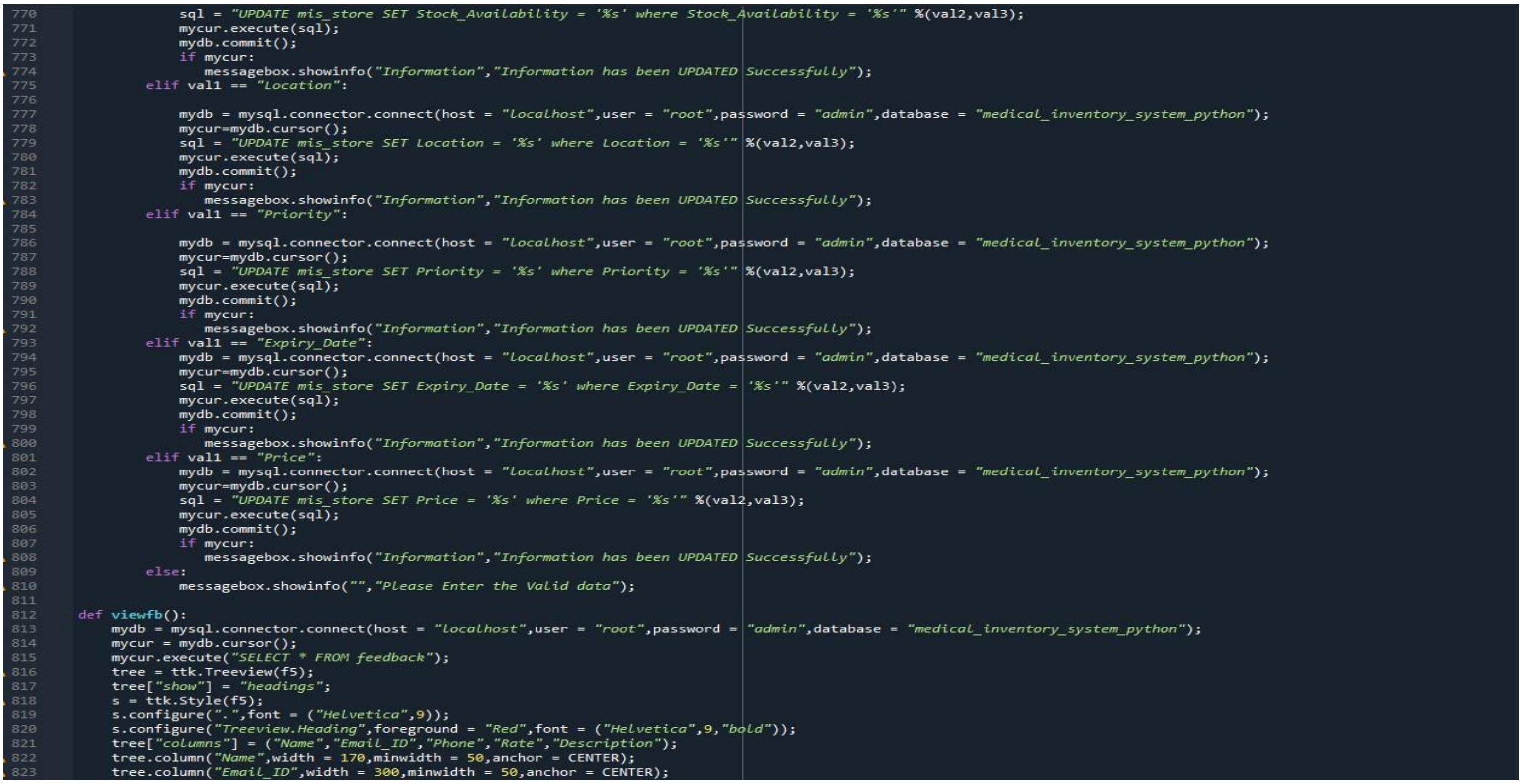
```python
    sc=Scale(f4,variable=var,from_=1, to_=5,orient=HORIZONTAL,length = 150,highlightcolor = "Green");
    sc.config(highlightbackground = "Green");
    sc.pack();
    Label(f4,text = "Desrciption",font = ("Ink free",27,"bold"),bg = "Black",fg = "Green").pack(pady = 10);
    tb = Text(f4,width = 50,height = 8,highlightthickness=2,font = ("Times New Roman",12,"bold"));
    tb.config(highlightbackground = "Green", highlightcolor= "Green");
    tb.insert("1.0","Enter Some Text Here.....");
    tb.pack();
    submit = Button(f4,text = "Submit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = feedregister).place(x = 90,y = 680);
    clearButt = Button(f4,text = "Clear",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = clear_f4).place(x = 250 ,y = 680);
    backButt = Button(f4,text = "Back",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 10,command = backbttn_f4).place(x = 410 ,y = 680);
    exitButt =  Button(f4, text = "Exit",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",command = f4.destroy,width = 10).place(x = 570,y = 680);

    f4.mainloop();

def feedregister():
    e_1 = e1.get();
    e_2 = e2.get();
    e_3 = e3.get();
    v = var.get();
    t_b = tb.get("1.0","end-1c");
    if e_1 == "" or e_2 == "" or e_3 == "" or t_b == "Enter Some Text Here.....":
        messagebox.showinfo("","Every Field is Important so Fill Accordingly");
    elif not e_1.isalpha():
        messagebox.showinfo("","Please Use Characters only in Name Field");
    else:
        try:
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur = mydb.cursor();
            val= [(e_1,e_2,e_3,v,t_b)];
            sql="INSERT INTO feedback(Name,Email_ID,phone,Rate,Description)VALUES (%s,%s,%s,%s,%s)";
            mycur.executemany(sql,val);
            mydb.commit();
            messagebox.showinfo("","Thank For Your FeedBack ");
            clear_f4();
        except mysql.connector.errors.DatabaseError:
            messagebox.showinfo("","Please Enter the Phone Number correctly without characters");


def clear_f4():
    e1.delete(0,END);
    e2.delete(0,END);
    e3.delete(0,END);
    tb.delete("1.0",END);
    tb.insert("1.0","Enter Some Text Here.....");
    var.set(0);
def backbttn_f4():
    f4.destroy();
    MDPFrame2();
def vmi():
    mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
    mycur = mydb.cursor();
    mycur.execute("SELECT * FROM mis_store");
    tree = ttk.Treeview(f5);
```



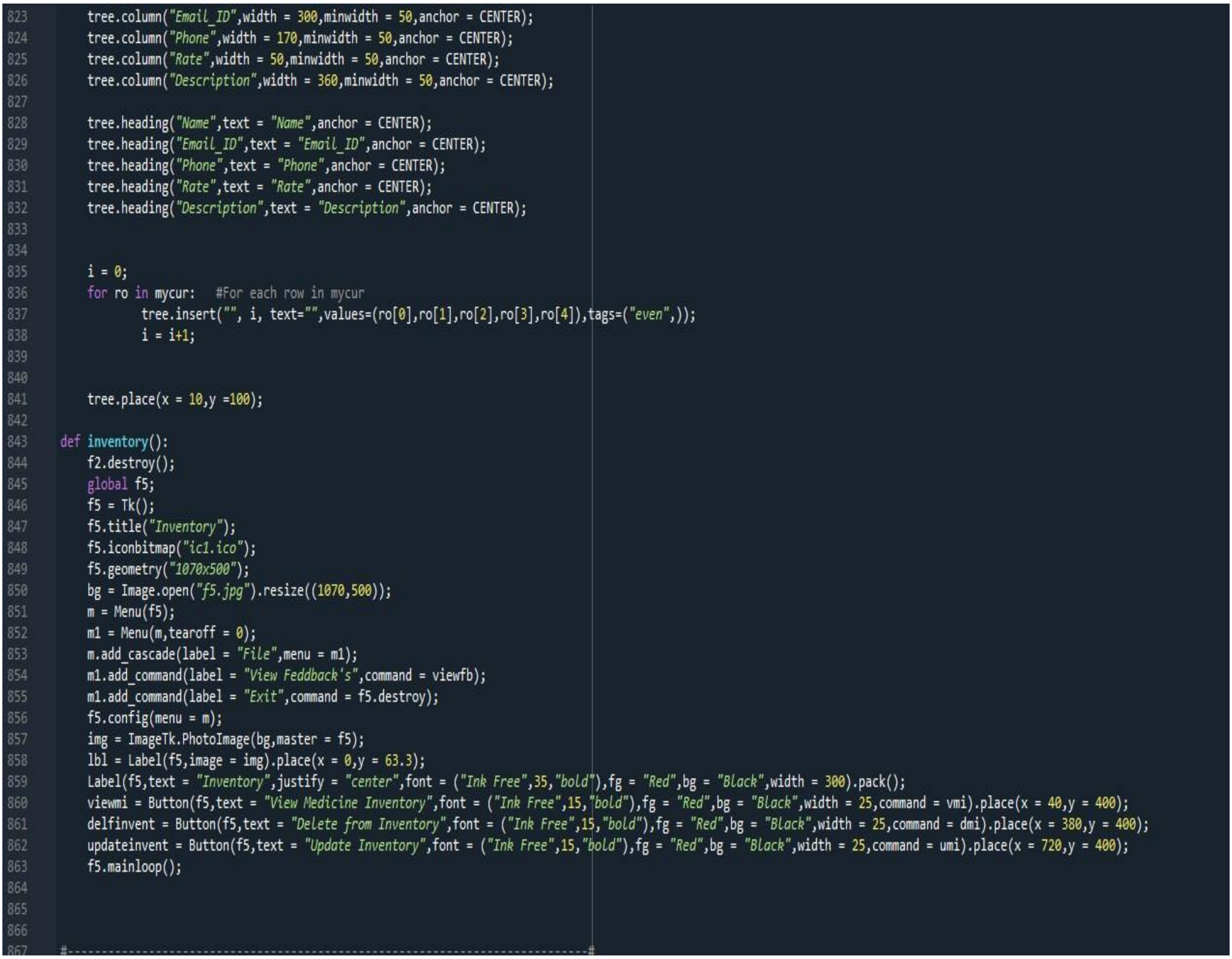
```python
    tree["show"] = "headings";
    s = ttk.Style(f5);
    s.configure(".",font = ("Helvetica",9));
    s.configure("Treeview.Heading",foreground = "Red",font = ("Helvetica",9,"bold"));
    tree["columns"] = ("Medicine_ID","Medicine_Name","Description","Stock_Availability","Location","Priority","Expiry_Date","Price");
    tree.column("Medicine_ID",width = 120,minwidth = 50,anchor = CENTER);
    tree.column("Medicine_Name",width = 120,minwidth = 50,anchor = CENTER);
    tree.column("Description",width = 120,minwidth = 50,anchor = CENTER);
    tree.column("Stock_Availability",width = 150,minwidth = 50,anchor = CENTER);
    tree.column("Location",width = 150,minwidth = 50,anchor = CENTER);
    tree.column("Priority",width = 150,minwidth = 50,anchor = CENTER);
    tree.column("Expiry_Date",width = 120,minwidth = 50,anchor = CENTER);
    tree.column("Price",width = 120,minwidth = 50,anchor = CENTER);

    tree.heading("Medicine_ID",text = "Medicine_ID",anchor = CENTER);
    tree.heading("Medicine_Name",text = "Medicine_Name",anchor = CENTER);
    tree.heading("Description",text = "Description",anchor = CENTER);
    tree.heading("Stock_Availability",text = "Stock_Availability",anchor = CENTER);
    tree.heading("Location",text = "Location",anchor = CENTER);
    tree.heading("Priority",text = "Priority",anchor = CENTER);
    tree.heading("Expiry_Date",text = "Expiry_Date",anchor = CENTER);
    tree.heading("Price",text = "Price",anchor = CENTER);

    i = 0;
    for ro in mycur:   #For each row in mycur
            tree.insert("", i, text="",values=(ro[0],ro[1],ro[2],ro[3],ro[4],ro[5],ro[6],ro[7]),tags=("even",));
            i = i+1;


    tree.place(x = 10,y =100);

def dmi():
    var = StringVar();


    mydb1 = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
    mycur1 = mydb1.cursor();
    sql1 = """SELECT count(*) FROM mis_store""";
    mycur1.execute(sql1);
    result = mycur1.fetchone();
    mydb1.close();
    if 0 in result:
        messagebox.showinfo("","Table Is empty ,No records Present");
    else:
        var = simpledialog.askstring(title="Input",prompt="Enter The Medicine_Id to delete the Record:");
        if var == "":
                messagebox.showinfo("","Cant Leave Empty");

        else:
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = """select Medicine_ID from mis_store""";
            mycur.execute(sql);
            result = mycur.fetchall();
```



```
            mydb.close();
            for x in result:
                if var in x:
                    mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
                    mycur = mydb.cursor();
                    sql = "delete from mis_store where Medicine_ID ='%s'" %(var);
                    mycur.execute(sql);
                    mydb.commit();
                    messagebox.showinfo("Information","Record has been DELETED Successfully");
                    break;
                else:
                    messagebox.showinfo("","Medicine_ID Not FOUND");
                    break;

def umi():
    messagebox.showinfo("","Please write according to the option provided here for Location: - Room No - 1, Room No - 2,Room No - 3");
    messagebox.showinfo("","Please write according to the option provided here for Priority: - High, Medium, Low");
    val1 = simpledialog.askstring(title="Input",prompt="Please Specify the column name:");
    val2 = simpledialog.askstring(title="Input",prompt="Please Specify the new value for the column:");
    val3 = simpledialog.askstring(title="Input",prompt="Please Specify the old value for the column:");
    if val1 == "":
        messagebox.showinfo("","Cant Leave Empty");
    elif val2 == "":
        messagebox.showinfo("","Cant Leave Empty");
    elif val3 == "":
        messagebox.showinfo("","Cant Leave Empty");
    else:
        if val1 == "Medicine_ID":
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Medicine_ID = '%s' where Medicine_ID = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
                messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Medicine_Name":
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Medicine_Name = '%s' where Medicine_Name = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Description":
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Description = '%s' where Description = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Stock_Availability":
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
```



```
            sql = "UPDATE mis_store SET Stock_Availability = '%s' where Stock_Availability = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Location":

            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Location = '%s' where Location = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Priority":

            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Priority = '%s' where Priority = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Expiry_Date":
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Expiry_Date = '%s' where Expiry_Date = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        elif val1 == "Price":
            mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
            mycur=mydb.cursor();
            sql = "UPDATE mis_store SET Price = '%s' where Price = '%s'" %(val2,val3);
            mycur.execute(sql);
            mydb.commit();
            if mycur:
               messagebox.showinfo("Information","Information has been UPDATED Successfully");
        else:
            messagebox.showinfo("","Please Enter the Valid data");

def viewfb():
    mydb = mysql.connector.connect(host = "localhost",user = "root",password = "admin",database = "medical_inventory_system_python");
    mycur = mydb.cursor();
    mycur.execute("SELECT * FROM feedback");
    tree = ttk.Treeview(f5);
    tree["show"] = "headings";
    s = ttk.Style(f5);
    s.configure(".",font = ("Helvetica",9));
    s.configure("Treeview.Heading",foreground = "Red",font = ("Helvetica",9,"bold"));
    tree["columns"] = ("Name","Email_ID","Phone","Rate","Description");
    tree.column("Name",width = 170,minwidth = 50,anchor = CENTER);
    tree.column("Email_ID",width = 300,minwidth = 50,anchor = CENTER);
```



```
    tree.column("Email_ID",width = 300,minwidth = 50,anchor = CENTER);
    tree.column("Phone",width = 170,minwidth = 50,anchor = CENTER);
    tree.column("Rate",width = 50,minwidth = 50,anchor = CENTER);
    tree.column("Description",width = 360,minwidth = 50,anchor = CENTER);

    tree.heading("Name",text = "Name",anchor = CENTER);
    tree.heading("Email_ID",text = "Email_ID",anchor = CENTER);
    tree.heading("Phone",text = "Phone",anchor = CENTER);
    tree.heading("Rate",text = "Rate",anchor = CENTER);
    tree.heading("Description",text = "Description",anchor = CENTER);


    i = 0;
    for ro in mycur:   #For each row in mycur
            tree.insert("", i, text="",values=(ro[0],ro[1],ro[2],ro[3],ro[4]),tags=("even",));
            i = i+1;


    tree.place(x = 10,y =100);

def inventory():
    f2.destroy();
    global f5;
    f5 = Tk();
    f5.title("Inventory");
    f5.iconbitmap("ic1.ico");
    f5.geometry("1070x500");
    bg = Image.open("f5.jpg").resize((1070,500));
    m = Menu(f5);
    m1 = Menu(m,tearoff = 0);
    m.add_cascade(label = "File",menu = m1);
    m1.add_command(label = "View Feddback's",command = viewfb);
    m1.add_command(label = "Exit",command = f5.destroy);
    f5.config(menu = m);
    img = ImageTk.PhotoImage(bg,master = f5);
    lbl = Label(f5,image = img).place(x = 0,y = 63.3);
    Label(f5,text = "Inventory",justify = "center",font = ("Ink Free",35,"bold"),fg = "Red",bg = "Black",width = 300).pack();
    viewmi = Button(f5,text = "View Medicine Inventory",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 25,command = vmi).place(x = 40,y = 400);
    delfinvent = Button(f5,text = "Delete from Inventory",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 25,command = dmi).place(x = 380,y = 400);
    updateinvent = Button(f5,text = "Update Inventory",font = ("Ink Free",15,"bold"),fg = "Red",bg = "Black",width = 25,command = umi).place(x = 720,y = 400);
    f5.mainloop();



#----------------------------------------------------------------------------#
```

FUTURE SCOPE

In future the need of the Medical Inventory System will be more as in the era of automation and Digitization every thing is going to be paperless and no body needs to perform or keep data in hard copy. And in future this Medical inventory system could be more and more time saving for user as everything is going to be Digitalized so that there would be no hand work which actually takes lot of time and also to maintain that hard copy.

CONCLUSION

Effective implementation of this software will take care of the basic requirements of the medical inventory management system because it is capable of providing easy and effective storage of information related to activities happening. This system provides an easy way for the operator to interact with the database and to manipulate the data in the database. The operator can add delete update the records in the database with ease.

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