SOFTWARE ENGINEERING LAB

MEDICAL STORE MANAGMENT SYSTEM

DATE: 09.11.2022

SLOT: L33 + L34

SOFTWARE REQUIREMENTS SPECIFICATION

TEAM MEMBERS DETAILS

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ABSTRACT

Medical Shop Management System is a website project developed for medical shops. This system item is field concerned with purchasing and selling medicines, maintaining their inventory, generating sales invoices and generating remainders of expiry date about medicines. It requires more time and effort when all procedures are performed manually.

Thus, in order to reduce time consumption and human effort the medical shop management system application can be applied in medical where manual procedure exits. The purpose of this project is to reduce time consumption and human effort. This application provides user friendly interface as well.

CONTENT

1. INTRODUCTION

1.1. PROJECT DESCRIPTION

The complete medical shop management software is so designed as to ease the work load of medical shop professionals. The main feature includes invoicing, inventory and stock control, accounting, client and vendor management.

This software helps you to track all the profits, loss, profitable clients and products of medical shop moreover it's a medical shop accounting software. Flexible and adaptive software suited to medical shops or stores or pharmacies of any size.

1.2. SCOPE & OBJECTIVES

As this is generic software it can be used by a wide variety of outlets (Retailers) to automate the process of manually maintaining the records related to the subject of maintaining the stock and cash flows.

This project is basically updating the manual chemist inventory system to automated inventory system, so that organization can manage their record in efficient and organized form.

This software helps you track all the products of medical shop moreover it's a medical shop accounting software. Flexible and adaptive software suited to medical shops or stores or pharmacies of any size.

Project Characteristics:

- Customer Management
- Transition Management
- Sales Management
- Reporting

The main goal of the application is to maintain the records of purchase, sales and stock details with cash transaction maintenance.

Medical store management software is very needy for medical store. This software helps them maintain day to day transaction in computer.

1.3. BACKAGROUND & SPECIFICATION

A medical Store needs to maintain its inventory of medicines and other products using a computerized system. It is planning to create a network of computers which should be placed at various sales and cash counters. It also proposes to have a centralized workstation for the database and system administrators. Customer orders are accepted at the sales counters which in turn produces a medicine collection delivery challan.

The delivery challan includes the DC number, details of the customer, date, name of medicine, batch number, date of expiry, packing of the medicine, selling rate, maximum retail price, quantity ordered and free. At last it will have the total price to be paid and party's signature. One order may contain more than one medicine. As per DC, medicines are put in a basket by a person, who passes it to billing assistant. Billing assistant checks the medicine is as per the DC, any shortcoming is either corrected or reported to customer. On receiving conformation from the customer the bill is generated. The cash counter collects the money as per the bill and dispense the medicine to the customer.

1.4. FEATURES

1.4.1 SILENT FEATURES

- Menu driven, key board and mouse navigation.
- Paperless practise.
- Improve efficiency, productivity.
- Cost effective solutions.
- Graphical user interface with context sensitive help.
- No special training needed for using the system.
- Anyone who don't have accounting knowledge can use without any without any difficulty.

1.4.2. GENERAL FEATURES

- Automatic importing of drug list
- Inbuilt account group and account ledgers
- Option for setting default company
- Keep address book/telephone directory for easy access
- Maintain customer relationship
- Incorporates calculator with system
- Option for sending mail from software itself
- Provide multi user environment.

1.4.3. USER CLASSES AND CHARACTERSITICS

- User of project include customers and staff
- Customer can be member or visitors who are accessing this system.
- Staff which act as administrator and controlling overall system
- Users should IT literate and know to use computer.
- Cashier should know data entry & typing.
- Manager should have knowledge of Internet & Browsing.

1.5. HARDWARE REQUIREMENTS

- Processor : 1.6Ghz and above
- RAM : 4GB RAM
- Monitor : 15” Colour Monitor
- Processor Speed : 1.7GHZ
- Hard Disk : 10GB HDD
- CD Drive : 53 – X CD ROM
- Keyboard : Mercury 110 Keys
- Mouse : Logitech Mouse

1.6. SYSTEM FEATURES DESCRIPTION & PRIORIRTY

Proposed database is intended to store, retrieve, update, and manipulate information related to chemist which include

- Order Processing & taking
- Staff information
- Customers information
- Product details
- calculation of revenue
- searching of product
- Remainder about products expiry, shortage.
- Generate Reports

2. FUNCTIONAL REQUIREMENTS

Functional requirements define the fundamental actions that system must perform.

The functional requirements for the system are divided into three main categories, medicine stock, customer information and billing and Sale and supplier info. For further details, refer to the use cases.

Medical Stock

- The system shall record stock of medicines.
- The system shall be updated with arrival of new stock.
- The system shall notify the expired stock of medicines.
- The system shall keep record of medicine details.

Customer info and billing

- The system will display the customer info
- The system will generate the bill.
- The system shall store the customer information.
- The system shall keep record of the billing.

Sale and supplier info

- The system shall display the supplier information and update it from time to time.
- The system shall display the number of sale with record of profit and losses.

3. NON-FUCTIONAL REQUIREMENTS

Functional requirements define the needs in terms of performance, logical database requirements, design constraints, standards compliance, reliability, availability, security, maintainability and portability.

3.1. PERFORMANCE REQUIREMENTS

Performance requirements define acceptable response time for system functionality.

- The load time for user interface screens shall take no longer than ten seconds.
- The log in information shall be verified within five seconds.
- Queries shall return results within five seconds.

3.2. AVAILABILITY

The system shall be available during normal operating hours.

3.3. STANDARDS COMPLIANCE

There shall be consistency in variable name within the system. The graphical user interface shall have a consistent look and feel.

3.4. PORTABILITY

The Medical store Management System shall run in any Microsoft Windows environment that constrains Microsoft Access database.

3.5. SECURITY

Pharmacist and Managers will be able to log in to the Medical store Management System.

Pharmacist will have access to the medicine stock and customer info and billing system.

3.6. SAFETY REQUIREMENTS

- The database may get crashed or damaged due to some viruses or operating system requirements. Therefore it is mandatory to have backup for your data. Ups/inverter facility should be there in case of power failure.
- Staff can just see the products and mark their attendance. They cannot edit or modify anything except their personal information.
- Proper user authentication will be provided.
- There should be separate account for admin and user. So that no one else can access the database except admin.

3.7. USER REQUIREMENTS

- The users of system are staff, manager and customer of the store.
- The members share assumed to have basic knowledge of computer and internet browsing while administrator of system should have more knowledge so he/she can resolve small problems and perform information's.
- The user manual, installation guide and other related material should be sufficient to educate the user how to use and maintain the system.

3.8. SOTWARE REQUIREMENTS

FRONT-END:

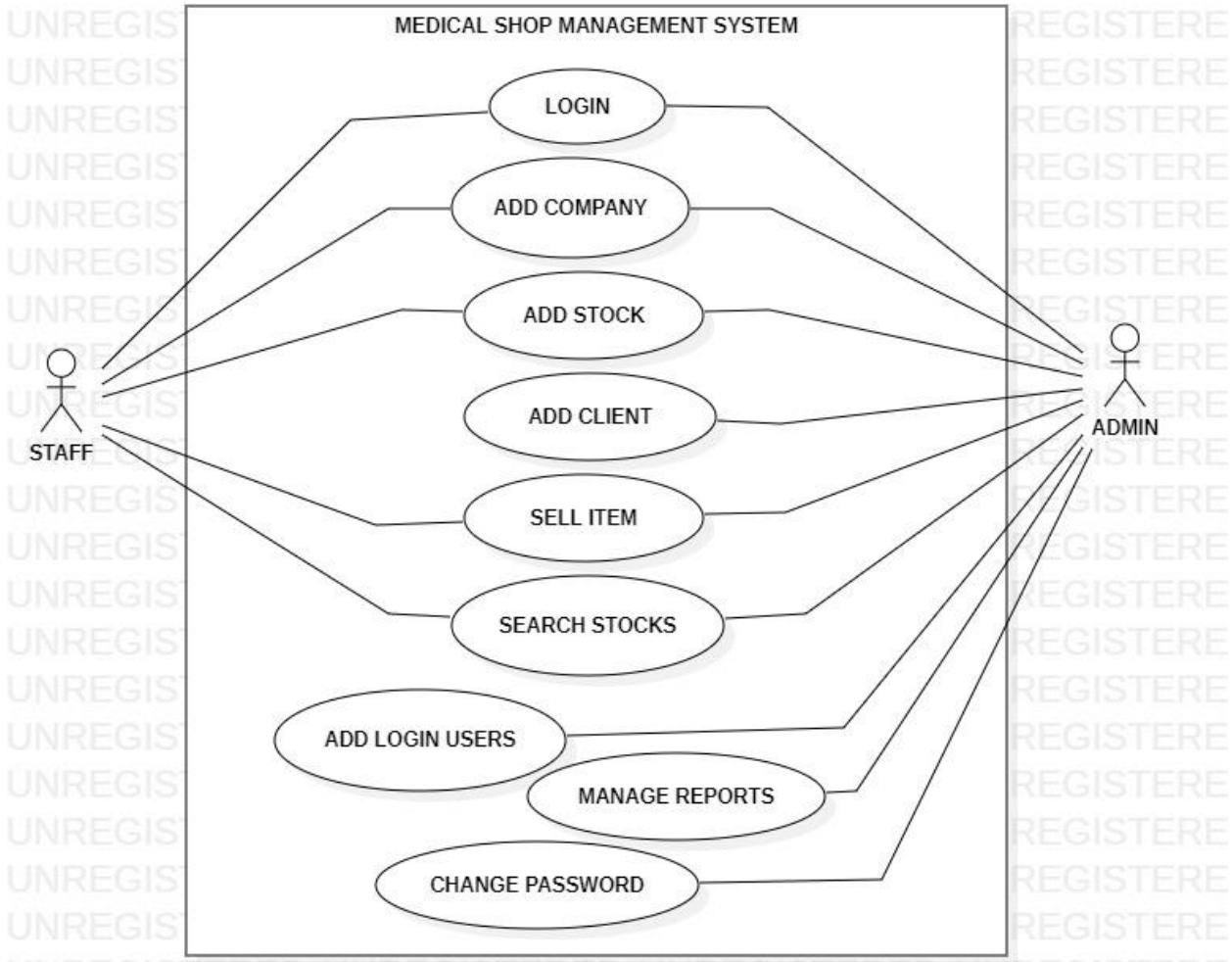
1. C LANGUAGE

BACK-END:

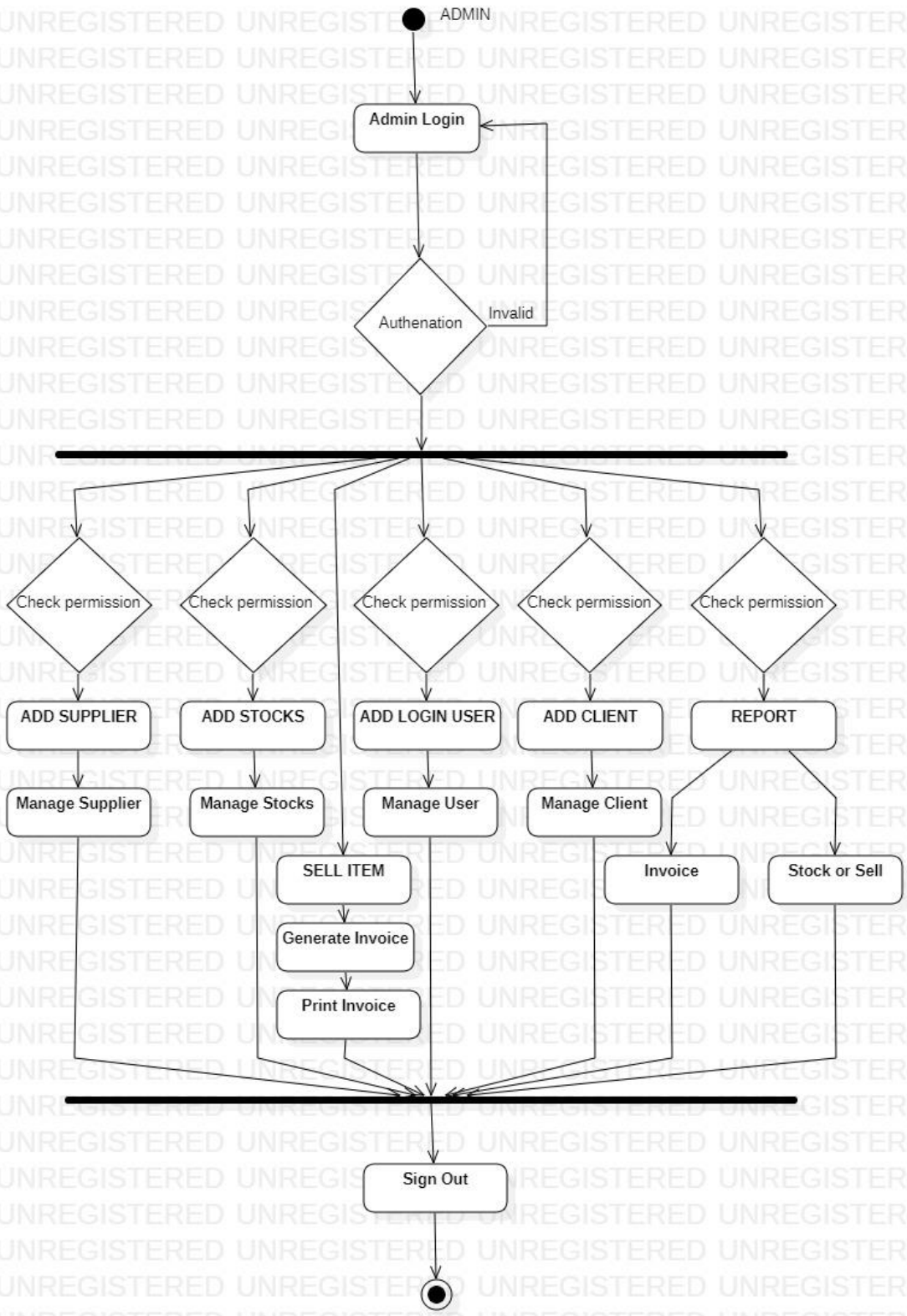
1. MySQL

4. UML DIAGRAM

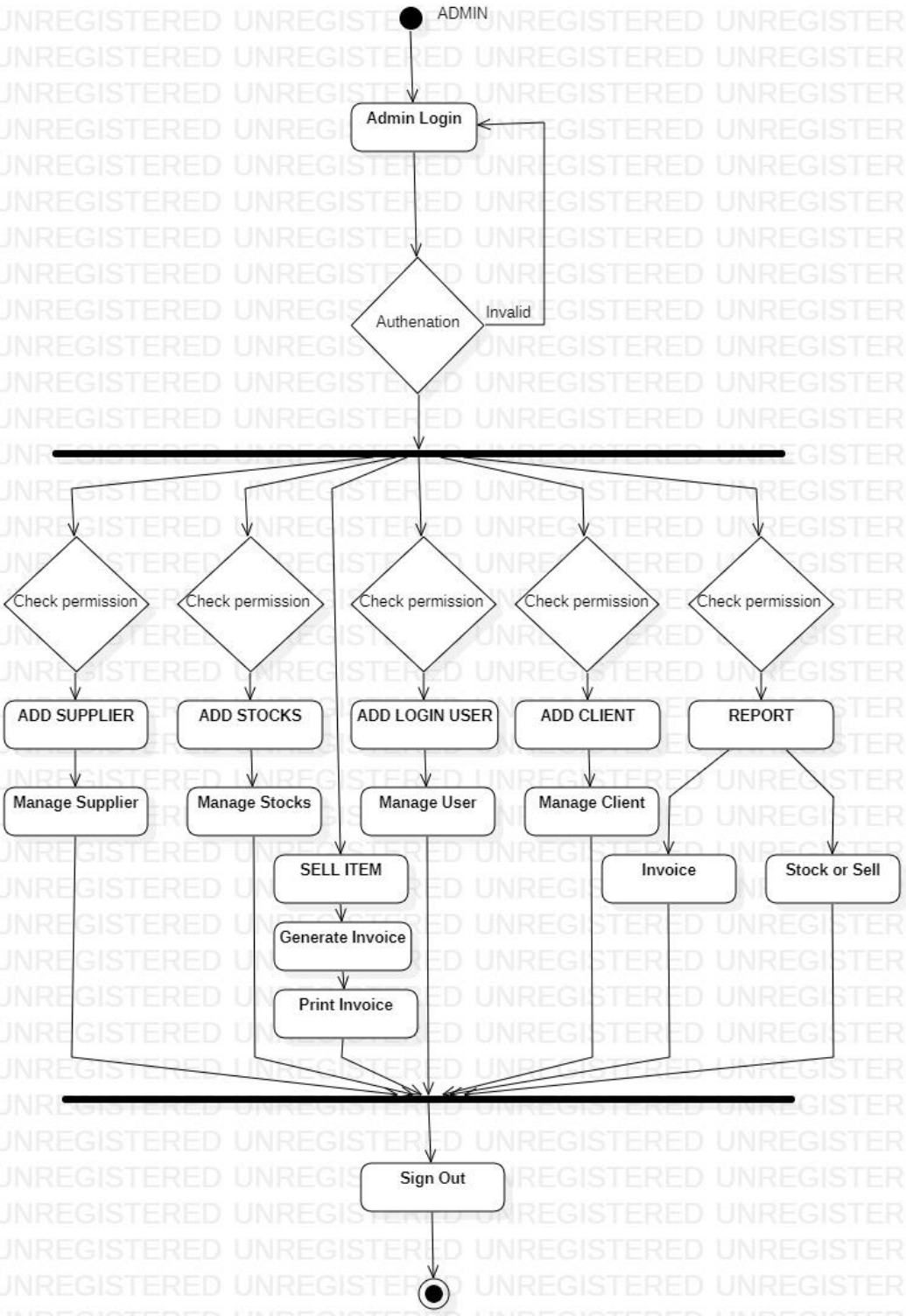
4.1. USE CASE DIAGRAM



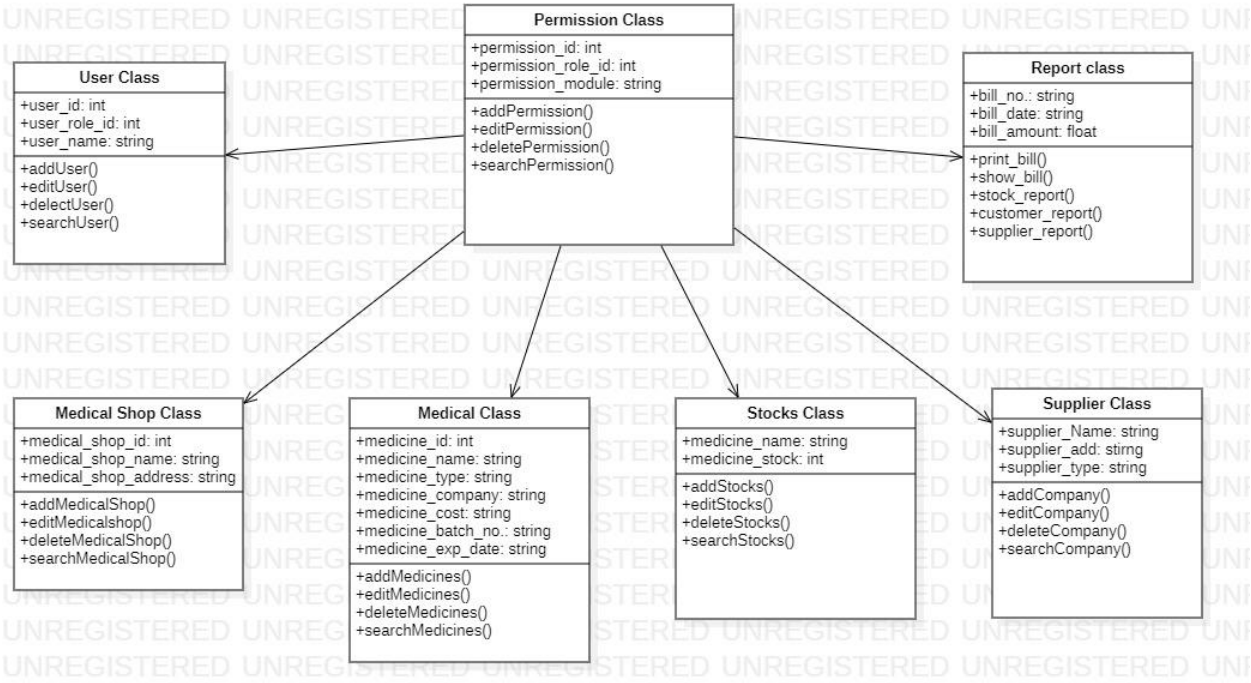
4.2. ACTIVITY DIAGRAM

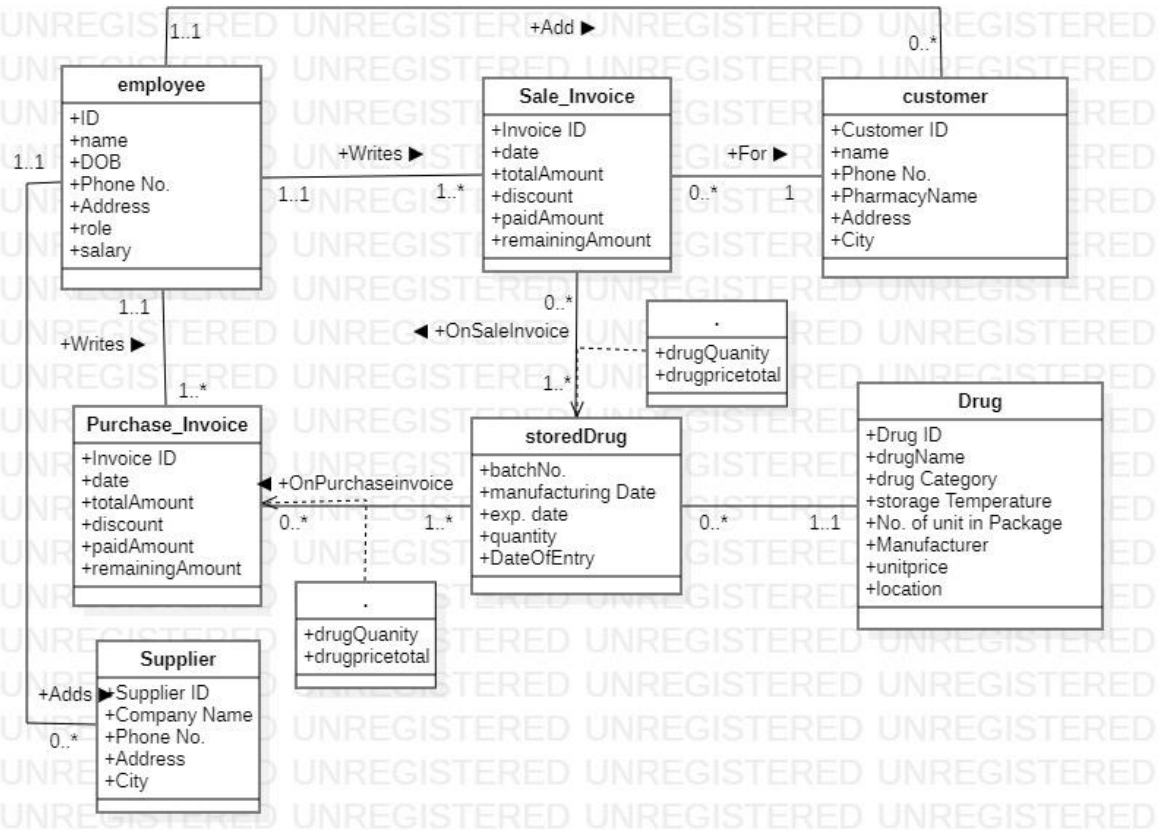


4.3. SEQUENCE DIAGRAM:

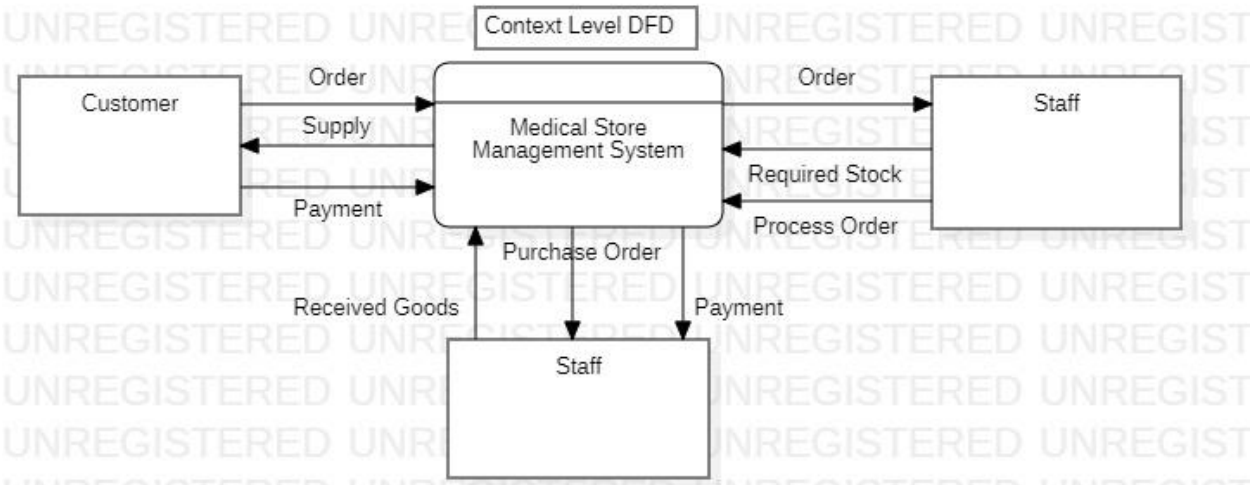


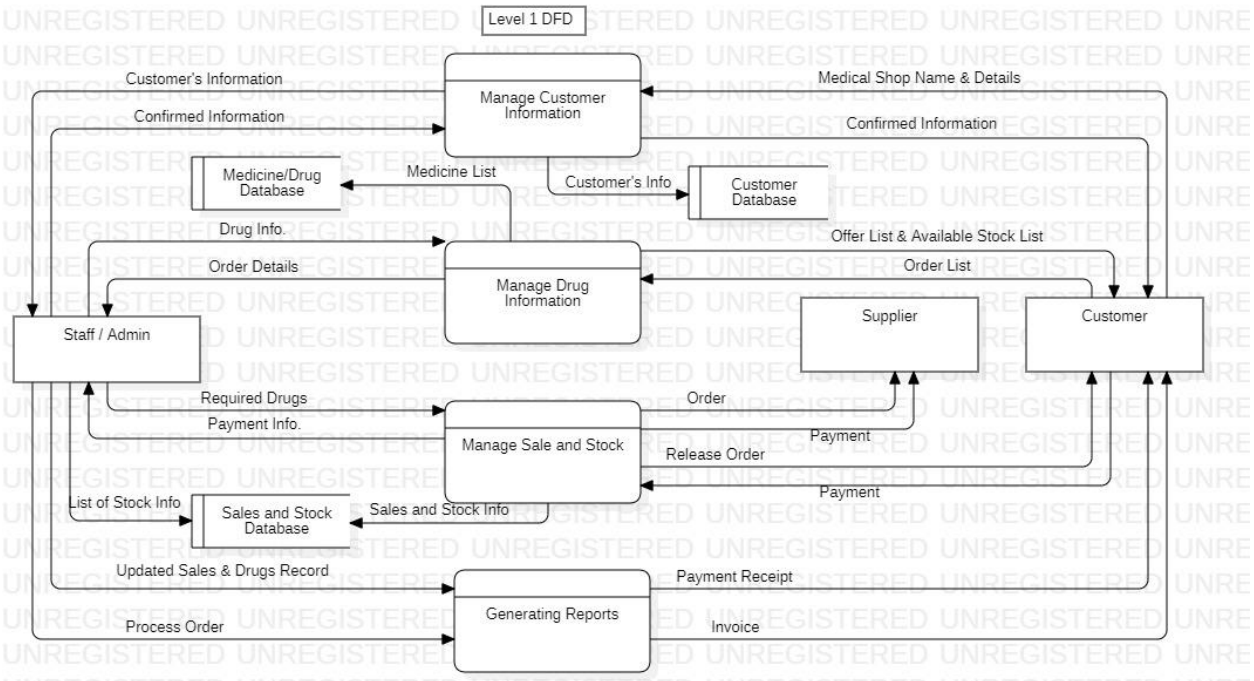
4.4. CLASS DIAGRAM:





4.5. DATA FLOW DIAGRAM:





5. CODE:

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<math.h>
#include<dos.h>
#include<time.h>
#include<ctype.h>
#include<windows.h>

void login()
{
        int a=0,i=0;
   char uname[10],c=' ';
   char pword[10],code[10];
   char user[10]="user";
   char pass[10]="pass";
   do
{

   printf("\n \t
\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\ LOGIN
\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\xB2\  ");
```

```
   printf(" \n\n                    USERNAME=");
        scanf("%s", &uname);
        printf(" \n\n                    PASSWORD=");
        while(i<10)
        {
           pword[i]=getch();
           c=pword[i];
           if(c==13) break;
           else printf("*");
           i++;
        }
        pword[i]='\0';
        //char code=pword;
        i=0;
        //scanf("%s",&pword);
                if(strcmp(uname,"user")==0 && strcmp(pword,"pass")==0)
        {
        printf("  \n\n\n      WELCOME TO KRISHNA MEDICAL STORE MANAGEMENT
SYSTEM !!!! YOUR LOGIN IS SUCCESSFUL");
        printf("\n\n\n\t\t\t\tPress any key to continue...");
        getch();//holds the screen
        break;
        }
```

```
        else
        {
                printf("\n       SORRY !!!!  LOGIN IS UNSUCESSFUL");
                a++;

                getch();//holds the screen

        }
}
        while(a<=2);
        if (a>2)
        {
                printf("\nSorry you have entered the wrong username and password for
four times!!!");

                getch();

                }
                system("cls");
}

COORD = {0, 0};
void gotoxy(int x, int y)
```

```
{
 COORD;
 coord.X = x;
 coord.Y = y;
 SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), coord);
}

int i;
//function for auto increment customer & supplier Id.
int getcust_id();
int getsupp_id();
//function for welcome & main menu
void welcome();
void main_menu();
//function for all box
void main_box();
void box1();
void wbox();
//function for bill slip
void bill();
//function for about menu
void about();
//function for medicine menu
```

```
void medicine();
void medi_sale();
void stock();
void update_stock();
void medi_entry();
void medi_search();
void remainder();
//function for supplier menu
void supplier();
void supp_entry();
void supp_list();
void sup_update();
void search();
void search_id();
void search_name();
//function for customer menu
void customer();
void cust_search();
void search_cid();
void search_cname();
void cust_entry();
void cust_list();
void cust_update();
```

```
//function for report menu
void report_menu();
void report();
void sale_rpt();
void sale_rpt_daily();
void profit_rpt();
void pur_rpt();
void pur_rpt_daily();
//===================================structures ========================
struct medical
{
        char id[6];
        char medi_name[20];
        int rack;
        char cabnit[2];
        int quantity;
        float sale;
        float total;
        float unit;
        float cost;
        float profit;
        float bye;
        int qty;
```

```
        char pur_date[15];
        char exp_date[15];
        char manu_date[15];
        int bill_no;
        char comp_name[20];
        char supp_name[30];
 };

struct medical temp;
struct medical x[20];
FILE *ptr;

char a[10];
struct supplier
{
        int supp_id;
        char supp_name[25];
        char city[20];
        char mob_no[11];
        char email[30];

};
struct supplier temp1;
```

```
struct customer
{
        int cust_id;
        char cust_name[30];
        char city[20];
        char mob_no[11];
        char email[50];

};
struct customer temp_c;
FILE *ptr1;

struct bill
{
        char billno[6];
        char cname[30];
        char mediname[30];
        int medi_qty;
        float medi_rate;
        float total;
        int day;
        int month;
```

```
        int year;

};
struct bill bil;
FILE *ptrbill;
struct sales_report
{
        char medi_id[6];
        char medir_name[20];
        char cust_name[30];
        int sDay,sMonth,sYear;
        int qty;
        float rate;
        float total;
};
struct sales_report s_r;
FILE *ptrs_r;

struct purchase_report
{
        char medi_id[6];
        char medir_name[20];
        char supp_name[30];
```

```
        int sDay,sMonth,sYear;
        int qty;
        float rate;
        float total;
};
struct purchase_report p_r;
FILE *ptrp_r;

struct profit_report
{
        char medi_id[6];
        char medir_name[20];
        int sDay,sMonth,sYear;
        int qty;
        float rate;
        float unit;
        float profit;
};
struct profit_report pr_r;
FILE *ptrpr_r;

void linkfloat()
{
```

```
        float f,*p;
        p=&f;
        f=*p;
}

//=========================Time & Date ====================
int t(void)
{
        //struct date d;
        //struct time t;

   time_t t = time(0);   // get time now
   struct tm * now = localtime( & t );
        //getdate(&d);
        //gettime(&t);
        gotoxy(55,46);
        printf("Date: %d-%d-%d ",now->tm_mday,now->tm_mon,now->tm_year);
        gotoxy(55,48);
        printf("Time: %d:%d:%d",now->tm_hour, now->tm_min,now->tm_sec);
        return 0;
}

//======================Animation ==========================
```

```
void animation()
{
	for (i=45; i>=1; i--)
	{
		Sleep(30);
		gotoxy(1,i);
		//clreol();
	}
	for (i=1; i<=20; i++)
	{
		//clreol();
		Sleep(40);
		gotoxy(1,i);
	}
}
//========================== validation ========================
void ventry(char t[],int code)
{
  int i=0;
	if(code==0)
	{
		while((t[i]=getch())!='\r' && i<30)
		if((t[i]>=97 && t[i]<=122) || (t[i]>=65 && t[i]<=90) || t[i]==32 || t[i]=='_')
```

```
        {
                printf("%c",t[i]);
                i++;
        }
        else if(t[i]==8 && i>0)
        {
                printf("%c%c%c",8,32,8);
                i--;            //Length counter is decremented.

        }
}
else if(code==1)
{
        while((t[i]=getch())!='\r' && i<10 )
        if((t[i]>=48 && t[i]<=57) || t[i]==46 ||  t[i]=='-')
        {
                printf("%c",t[i]);
                i++;
        }
        else if(t[i]==8 && i>0)
        {
                printf("%c%c%c",8,32,8);
                i--;            //Length counter is decremented.
```

```
                }
        }
        else if(code==2)
        {
                while((t[i]=getch())!='\r' && i<30 )
                if((t[i]>=97 && t[i]<=122) || (t[i]>=65 && t[i]<=90) ||(t[i]>=48 && t[i]<=57)
|| t[i]==32 || t[i]==8 ||t[i]=='@'||t[i]=='.')
                {
                        printf("%c",t[i]);
                        i++;
                }
                else if(t[i]==8 && i>0)
                {
                        printf("%c%c%c",8,32,8);
                        i--;            //Length counter is decremented.

                }
        }

        t[i]='\0';
}
//=================================================================
======
```

```
void box()
{
  for(i=3;i<=79;i++)  //This 'FOR' loop will print a combination of
        {
                gotoxy(i,3);    //the 79th column is reached.
                printf("%c",219);
                gotoxy(78,45);
                printf("%c",219);
                gotoxy(i,45);
                printf("%c",219);
        }

        for(i=3;i<=45;i++)     //This 'FOR' loop will print asterisks 'I'
        {                   //vertically till the 3th row is reached.
                gotoxy(3,i);
                printf("%c",219);
                gotoxy(79,i);
                printf("%c",219);
        }
}
void wbox()
{
        for(i=5;i<=75;i++)     //This 'FOR' loop will print a combination of
```

```
        {
                gotoxy(i,5);    //the 75th column is reached.
                printf("%c",219);
                gotoxy(74,40);
                printf("%c",219);
                gotoxy(i,40);
                printf("%c",219);
        }

        for(i=5;i<=40;i++)      //This 'FOR' loop will print asteriks 'I'
        {                       //vertically till the 17th row is reached.
                gotoxy(5,i);
                printf("%c",219);
                gotoxy(75,i);
                printf("%c",219);
        }
}
//=========================getsupp_id ======================
int getsupp_id()
{

 FILE *fp;
          fp=fopen("supplier.dat","r");
```

```
        if(fp==NULL)
        {
                gotoxy(22,15);
                printf("Data not Found.....");
                getch();
        }
        else
        {
                temp1.supp_id=100;
                rewind(fp);
                while(fscanf(fp,"%d %s %s %s
%s",&temp1.supp_id,temp1.supp_name,temp1.city,
temp1.mob_no,temp1.email)!=EOF)
                {
                }
        }
        fclose(fp);
        return temp1.supp_id+1;
}

//=========================getcust_id ======================
int getcust_id()
{
 FILE *fp;
```

```
	fp=fopen("customer.dat","r");
	if(fp==NULL)
	{
		gotoxy(22,15);
		printf("Data not Found.....");
		getch();
	}
	else
	{
		temp_c.cust_id=100;
		rewind(fp);
		while(fscanf(fp,"%d %s %s %s
%s",&temp_c.cust_id,temp_c.cust_name,temp_c.mob_no,
temp_c.city,temp_c.email)!=EOF)
		{
		}
	}
	fclose(fp);
	return temp_c.cust_id+1;
}


//=========================welcome screen ==============
```

```
void welcome()
{
 int j,k,l,m;
 system("cls");
        for(m=0;m<16;m++)
        {
                //textcolor(m);
                wbox();
        for(i=0;i<16;i++)
        {
                //textcolor(i);
                gotoxy(35,20);
                printf("WELCOME");
                k=i+2;
                //textcolor(k);
                gotoxy(38,22);
                printf("TO");
                l=i+3;
                //textcolor(l);
                gotoxy(28,24);
                printf("CP MEDICAL");
                //textcolor(l);
                gotoxy(36,24);
```

```
                printf("STORE");
                //textcolor(l);
                gotoxy(42,24);
                printf("SYSTEM");
                gotoxy(52,45);
                j=i+1;
                //textcolor(j);
                printf("Loading.....");
                Sleep(40);
        }
        }
}
//============================ box for label ==========
void lbox()
{
        gotoxy(25,6);
        printf("%c",201);
        for(i=26;i<55;i++)
        {
                gotoxy(i,6);
                printf("%c",205);
        }
        gotoxy(55,6);
```

```
printf("%c",187);
gotoxy(25,6);
for(i=6;i<8;i++)
{
        gotoxy(25,i+1);
        printf("%c",186);
}
gotoxy(25,9);
printf("%c",200);
for(i=26;i<55;i++)
{
        gotoxy(i,9);
        printf("%c",205);
}
gotoxy(55,9);
printf("%c",188);
gotoxy(55,6);
for(i=6;i<8;i++)
{
        gotoxy(55,i+1);
        printf("%c",186);
}
```

```
}
//============================small box ==============
void box1()
{
        gotoxy(1,3);
        printf("%c",201);
        for(i=1;i<79;i++)
        {
                gotoxy(1+i,3);
                printf("%c",205);
        }

        gotoxy(80,3);
        printf("%c",187);
        gotoxy(1,3);
        for(i=4;i<10;i++)
        {
                gotoxy(1,i);
                printf("%c",186);
        }
        gotoxy(1,9);
        for(i=4;i<8;i++)
        {
```

```
                gotoxy(80,i);
                printf("%c",186);
        }
}

//============================main ====================

int main()
{
        char name[15];
        char pass[15];
        int count=0,i;

        system("cls");

        /*start:
        //textcolor(5);
        wbox();
        lbox();
        //textcolor(GREEN);
        gotoxy(35,8);
        printf(" LOGIN ");
```

```
//textcolor(RED);
gotoxy(32,18);
printf("Enter user name :");
gotoxy(32,22);
printf("Enter password  :");
gotoxy(51,18);
strcpy(gets(name),name);

gotoxy(51,22);

i=0;
do
{
        pass[i] = getch();
        if(pass[i] == 13 )
        {
                break;
        }
        else if(pass[i]==8 && i>0)
        {
                printf("%c%c%c",8,32,8);
                i--;
        }
```

```
        else
        {
                printf("*");
                i++;
        }
}while(pass[i]!=13);
pass[i] = '\0';

if(strcmp(name,"rana") || strcmp(pass,"singh"))
{
 system("cls");
 gotoxy(20,20);
 printf("Please Enter vailid Username & Passward!!!!!");
 count++;
 gotoxy(20,23);
 printf("%d chance left!!!!",3-count);
 getch();
 system("cls");
 if(count==3)
 exit(0);
 else
 goto start;
}
```

```
        else
        {*/
         //welcome();
         main_menu();
        //}

}

void main_box()
{
        gotoxy(1,6);
        printf("%c",201);
        for(i=1;i<79;i++)
        {
                gotoxy(1+i,6);
                printf("%c",205);
        }

        gotoxy(80,6);
        printf("%c",187);
        gotoxy(1,6);
        for(i=5;i<35;i++)
        {
```

```
            gotoxy(1,2+i);
            printf("%c",186);
        }
        gotoxy(1,37);
        printf("%c",200);
        for(i=1;i<79;i++)
        {
            gotoxy(1+i,37);
            printf("%c",205);
        }
        gotoxy(80,37);
        printf("%c",188);
        gotoxy(80,6);
        for(i=5;i<35;i++)
        {
            gotoxy(80,2+i);
            printf("%c",186);
        }
}

void main_menu()

{
```

```
        login();
char ch;

        do
        {
                //window(1,1,80,50);
                //textbackground(BLACK);
                system("cls");
                //textcolor(4+BLINK);
                gotoxy(3,5);
                printf("S");
                //textcolor(WHITE);
                gotoxy(4,5);
                printf("upplier Info");
                //textcolor(4+BLINK);
                gotoxy(19,5);
                printf("C");
                //textcolor(15);
                gotoxy(20,5);
                printf("ustomer Info");
                //textcolor(4+BLINK);
                gotoxy(36,5);
                printf("M");
```

```
//textcolor(15);
gotoxy(37,5);
printf("edicine");
//textcolor(4+BLINK);
gotoxy(48,5);
printf("R");
//textcolor(15);
gotoxy(49,5);
printf("eport");
//textcolor(4+BLINK);
gotoxy(57,5);
printf("B");
//textcolor(15);
gotoxy(58,5);
printf("ill");
//textcolor(4+BLINK);
gotoxy(64,5);
printf("A");
//textcolor(15);
gotoxy(65,5);
printf("bout");
//textcolor(4+BLINK);
gotoxy(72,5);
```

```
printf("E");
//textcolor(15);
gotoxy(73,5);
printf("xit");
t();   //this function display date & time
box1();
main_box();
gotoxy(30,10);
//textcolor(GREEN);
printf("Medical Store Management System ");
gotoxy(2,28);
//textcolor(15);

remainder();//this function is active when medicine qty is less then 10.
gotoxy(10,40);
//textcolor(RED+BLINK);
printf("Press ");
gotoxy(16,40);
//textcolor(15);
printf("First Character for further Menu  ");

ch=toupper(getche());
switch(ch)
```

```
{
        case 'S':supplier();
                break;
        case 'C':customer();
                break;
        case 'M':medicine();
                break;
        case 'R':report_menu();
                break;
        case 'B':bill();
                break;
        case 'A':about();
                break;
        case 'E':gotoxy(23,20);
                //textcolor(4);
        printf("Do you want to exit now? Y/N :");
        Sleep(100);
        ch=(getche());
        ch=toupper(ch);
        if(ch=='Y')
        {
                animation();
                system("cls");
```

```
                        //textcolor(2);
                        gotoxy(35,20);
                        printf(" Please wait.....");
                        Sleep(2000);
                        exit(0);
                }
                else
                {
                        main_menu();
                }

                default://textcolor(4+BLINK);
                gotoxy(11,34);
                printf("Plese Enter right character ONLY (S,C,M,R,B,A).");
                getch();
        }
    }while(ch!='E');
}
//=========================For supplier ============================
void supplier()
{
  char ch;
    do
```

```
{
 system("cls");
 gotoxy(34,3);
 //textcolor(GREEN);
 printf("----------------");
 gotoxy(35,4);
 //textcolor(GREEN);
 printf("Supplier MENU");
 gotoxy(34,5);
 //textcolor(GREEN);
 printf("----------------");
 gotoxy(25,11);
 //textcolor(4+BLINK);
 printf("A");
 gotoxy(26,11);
 //textcolor(15);
 printf("dd New Supplier");

 gotoxy(25,15);
 //textcolor(4+BLINK);
 printf("U");
 gotoxy(26,15);
 //textcolor(15);
```

```
printf("pdate Supplier");


gotoxy(25,19);
//textcolor(4+BLINK);
printf("S");
gotoxy(26,19);
//textcolor(15);
printf("earch Supplier");


gotoxy(25,23);
//textcolor(4+BLINK);
printf("L");
gotoxy(26,23);
//textcolor(15);
printf("ist of Existing Supplier");


gotoxy(25,27);
//textcolor(4+BLINK);
printf("M");
gotoxy(26,27);
//textcolor(15);
printf("ain Menu");
main_box();
```

```
gotoxy(10,40);
//textcolor(15);
printf("Press First Character for further Operation ");


ch=toupper(getche());
switch(ch)
{
        case 'A':animation();
                 supp_entry();
                 break;
        case 'U':animation();
                 sup_update();
                 break;
        case 'L':animation();
                 supp_list();
                 break;
        case 'S':search();
                 break;
        case 'M':main_menu();
                 break;
        default://textcolor(4+BLINK);
```

```
                    gotoxy(11,34);
                    printf("Plese Enter right character ONLY (A,L,U,S,M).");
                    getch();
          }
        }while(ch!='M');

}
//=========================For customer ==========================
void customer()
{
        char ch;
        do
        {
          system("cls");

          gotoxy(34,3);
          //textcolor(GREEN);
          printf("---------------");
          gotoxy(35,4);
          printf("Customer Menu.");
          gotoxy(34,5);
          printf("---------------");
          gotoxy(25,11);
```

```
//textcolor(4+BLINK);
printf("A");
gotoxy(26,11);
//textcolor(15);
printf("dd New Customer");

gotoxy(25,15);
//textcolor(4+BLINK);
printf("U");
gotoxy(26,15);
//textcolor(15);
printf("pdate Customer");

gotoxy(25,19);
//textcolor(4+BLINK);
printf("S");
gotoxy(26,19);
//textcolor(15);
printf("earch Customer");

gotoxy(25,23);
//textcolor(4+BLINK);
printf("L");
```

```
gotoxy(26,23);
//textcolor(15);
printf("ist of Existing Customer");

gotoxy(25,27);
//textcolor(4+BLINK);
printf("M");
gotoxy(26,27);
//textcolor(15);
printf("ain Menu");
main_box();

gotoxy(10,40);
//textcolor(15);
printf("Press First Character for further Operations  ");


ch=toupper(getche());
switch(ch)
{
        case 'A':animation();
                 cust_entry();
                 break;
```

```
                case 'U':animation();
                        cust_update();
                        break;
                case 'L':animation();
                        cust_list();
                        break;
                case 'S':cust_search();
                        break;
                case 'M':main_menu();
                        break;
                default://textcolor(4+BLINK);
                        gotoxy(11,34);
                        printf("Plese Enter right character ONLY (A,L,U,S,M).");
                        getch();
             }
        }while(ch!='M');

}
//=========================For Medicine ============================
void medicine()
{
        char ch;
        do
```

```
{
 system("cls");

 gotoxy(34,3);
 //textcolor(GREEN);
 printf("---------------");
 gotoxy(35,4);
 printf("Medicine Menu.");
 gotoxy(34,5);
 printf("---------------");
 gotoxy(25,15);
 //textcolor(4+BLINK);
 printf("P");
 gotoxy(26,15);
 //textcolor(15);
 printf("urchase New Medicine");

 gotoxy(25,19);
 //textcolor(4+BLINK);
 printf("S");
 gotoxy(26,19);
 //textcolor(15);
 printf("ale Medicine");
```

```
gotoxy(25,23);
//textcolor(15);
printf("Sto");
gotoxy(28,23);
//textcolor(4+BLINK);
printf("c");
gotoxy(29,23);
//textcolor(15);
printf("k of Medicine");

gotoxy(25,27);
//textcolor(15);
printf("Se");
gotoxy(27,27);
//textcolor(4+BLINK);
printf("a");
gotoxy(28,27);
//textcolor(15);
printf("rch Medicine");

gotoxy(25,31);
//textcolor(4+BLINK);
```

```
printf("M");
gotoxy(26,31);
//textcolor(15);
printf("ain Menu");
main_box();

gotoxy(10,40);
//textcolor(15);
printf("Press First Character for further Operations  ");


ch=toupper(getche());
switch(ch)
{
        case 'P':medi_entry();
                 break;
        case 'S':medi_sale();
                 break;
        case 'C':stock();
                 break;
        case 'A':medi_search();
                 break;
        case 'M':main_menu();
```

```
                        break;
                default://textcolor(4+BLINK);
                        gotoxy(11,34);
                        printf("Plese Enter right character ONLY (P,S,C,M).");
                        getch();
            }
          }while(ch!='M');

}
//=========================For Report ============================
void report_menu()
{
          char ch;
          do
          {
            system("cls");

            gotoxy(34,3);
            //textcolor(GREEN);
            printf("---------------");
            gotoxy(35,4);
            printf("Report Menu.");
            gotoxy(34,5);
```

```
printf("---------------");
gotoxy(25,12);
//textcolor(4+BLINK);
printf("P");
gotoxy(26,12);
//textcolor(15);
printf("urchase Report");

gotoxy(25,16);
//textcolor(4+BLINK);
printf("S");
gotoxy(26,16);
//textcolor(15);
printf("ale Report");

gotoxy(25,20);
//textcolor(15);
printf("Pr");
gotoxy(27,20);
//textcolor(4+BLINK);
printf("o");
gotoxy(28,20);
//textcolor(15);
```

```
printf("fit Report");


gotoxy(25,24);
//textcolor(15);
printf("D");
gotoxy(26,24);
//textcolor(4+BLINK);
printf("a");
gotoxy(27,24);
//textcolor(15);
printf("ily Sale Report");


gotoxy(25,28);
//textcolor(4+BLINK);
printf("D");
gotoxy(26,28);
//textcolor(15);
printf("aily Purchase Report");


gotoxy(25,32);
//textcolor(4+BLINK);
printf("M");
gotoxy(26,32);
```

```
//textcolor(15);
printf("ain Menu");
main_box();

gotoxy(10,40);
//textcolor(15);
printf("Press First Character for further Operations  ");


ch=toupper(getche());
switch(ch)
{
        case 'P':pur_rpt();
                 break;
        case 'S':sale_rpt();
                 break;
        case 'A':sale_rpt_daily();
                 break;
        case 'O':profit_rpt();
                 break;
        case 'D':pur_rpt_daily();
                 break;
        case 'M':main_menu();
```

```
                        break;
                default://textcolor(4+BLINK);
                        gotoxy(11,34);
                        printf("Plese Enter right character ONLY (P,S,O,M).");
                        getch();
            }
        }while(ch!='M');

}

void about()
{  int c;
   system("cls");

   do
   {
//   window(1,1,80,50);

        //textcolor(LIGHTGRAY);
        gotoxy(28,4);
        //textcolor(RED+BLINK);
        printf("***** MEDICAL STORE *****");
        gotoxy(10,8);
```

```
        printf("=> Project Is About Medical Store ");
        gotoxy(10,10);
        printf("=> User Can Add Medicine ,Customer,Supplier Details");
        gotoxy(10,12);
        printf("=> User Can Modify and Delete Existing Record");
        gotoxy(10,14);
        printf("=> User Can Search Medicine ,Customer,Supplier Details");
        gotoxy(10,16);
        printf("=> Also Used For Displaying Stock Of Medicine ");

        printf("<<<<-Press 1 for main menu->>>>");
        c = (getche());

        switch (c)     //This 'SWITCH' structure will ask the user for input from [1] to [7] and will display error on Invalid Entry.
                {
                        case '1':animation(); main_menu();
                                gotoxy(26,24);
                                puts("<<--ENTER FROM 1 PLEASE-->>");   //This message will only print on INVALID ENTRY and Will ask again for input.
                                getch();
                }

}while(c != '1');
```

```
}
//======================Remainder for medicine stock ===============
void remainder()
{
	ptr1=fopen("medical.dat","r");
	if(ptr1==NULL)
	{
	//	printf("\n\t Can not open File! ");
	}
	while((fread(&temp,sizeof(temp),1,ptr1))==1)
	{
		if(temp.quantity<10)
		{
			gotoxy(10,45);
			//textcolor(RED);
			printf("%s : ",temp.medi_name);
			printf("Quantity of this medicine is less then 10");
		}
	}
}

//========================for bill ============================
```

```
void bill()
{
//struct date d;
   time_t td = time(0);   // get time now
   struct tm * now = localtime( & td );

            FILE *ptrbill;
            char id[6];
            int j=1,d1,m,y,k;
            float netamt=0.0;
            //getdate(&d);
            d1=now->tm_mday;
            m=now->tm_mon;
            y=now->tm_year;
            system("cls");
            ptrbill=fopen("dbbill.dat","r");
            gotoxy(13,4);
            printf("Enter bill no : ");
            scanf("%s",&id);
            system("cls");
            gotoxy(25,3);
            ////textcolor(YELLOW+BLINK);
           // printf("***** CareWell Medico *****");
```

```
        box();
        gotoxy(7,7);
        printf("Bill No: ");
        printf(" %s",id);
        gotoxy(7,9);
        printf("Customer Name: ");
        gotoxy(50,7);
        printf("Date : ");
        printf("%d-%d-%d",d1,m,y);
        gotoxy(7,12);
        printf("Sr.No   Medicine Name      Qty        Rate       Total ");
        gotoxy(6,14);
        printf("----------------------------------------------------------------");

        i=15;
        while(fscanf(ptrbill,"%s %s %s %d %f %f %d %d
%d",bil.billno,bil.cname,bil.mediname,&bil.medi_qty,&bil.medi_rate,&bil.total,&bil.day,
&bil.month,&bil.year)!=EOF)
        {

                do
                {
                    if(strcmp(id,bil.billno)==0)
                    {
```

```
            gotoxy(7,i);
            printf(" %d",j);
            gotoxy(14,i);
            printf(" %s",bil.mediname);
            gotoxy(22,9);
            printf(" %s",bil.cname);
            gotoxy(35,i);
            printf(" %d",bil.medi_qty);
            gotoxy(47,i);
            printf(" %.2f",bil.medi_rate);
            gotoxy(60,i);
            printf(" %.2f",bil.total);
            netamt=netamt+bil.total;
            i++;
            j++;
            gotoxy(35,32);
            printf("                         ");
            gotoxy(20,50);
            //textcolor(YELLOW+BLINK);
            printf("Press Any key to go to  MENU .....");

        //  break;
    }
```

```
        }while(feof(ptrbill));

    }


    gotoxy(6,35);
    printf("----------------------------------------------------------------");
    gotoxy(50,37);
    printf("Net Amount : ");
    printf("%.2f",netamt);

    fclose(ptrbill);
    getch();
}

//========FOR SUPPLIERS ENTRY=================
void supp_entry()
{
 int id;
 char ch;
 FILE *fp;
```

```
 system("cls");


            fp=fopen("supplier.dat","a");
            if(fp==NULL)
            {
                  printf("\n Can not open file!!");
                  exit(0);
            }
            system("cls");
            ch='y';
            while(ch=='y')
            {
                  system("cls");
                  //textcolor(14);
                  t();
                  box();
                  lbox();
                  gotoxy(30,8);
                  printf(" SUPPLIER ENTRY ");
                  gotoxy(8,13);
//                //flushall();
                  temp1.supp_id=getsupp_id();
                  printf("SUPPLIER ID : %d ",temp1.supp_id);
```

```
//ventry(temp1.supp_id,1);
//flushall();
gotoxy(39,13);
printf("SUPPLIER NAME : ");
gotoxy(8,18);
printf("CITY       : ");
gotoxy(39,18);
printf("CONTACT NO.   : ");
gotoxy(8,23);
printf("EMAIL ID    : ");

gotoxy(55,13);
//flushall();
ventry(temp1.supp_name,0);
gotoxy(22,18);
ventry(temp1.city,0);
//flushall();
gotoxy(55,18);
ventry(temp1.mob_no,1);
//flushall();
gotoxy(22,23);
gets(temp1.email);
//flushall();
```

```
gotoxy(20,30);
//textcolor(RED+BLINK);
printf("S");
//textcolor(WHITE);
gotoxy(21,30);
printf("ave");
gotoxy(28,30);
//textcolor(RED+BLINK);
printf("C");
//textcolor(WHITE);
gotoxy(29,30);
printf("ancel");
gotoxy(18,36);
printf("Press First charecter for the operation : ");
ch=getch();
if(ch=='s' || ch=='S')
{
        fprintf(fp,"%d %s %s %s
%s\n\n",temp1.supp_id,temp1.supp_name,temp1.mob_no,temp1.city,temp1.email);
        fprintf(fp,"\n");
        //flushall();
        system("cls");
```

```
                    gotoxy(20,20);
                    printf("Supplier Added successfully!!!!!");
                    //textcolor(10);
                    gotoxy(20,25);
                    printf("More entries  [y/n]");
                    ch=getche();
                }
            }
            fclose(fp);

}
//=========FOR SUPPLIER DISPLAY LIST ==========
void supp_list()
{
 char ch;
 int j;
 system("cls");
            ptr1=fopen("supplier.dat","r");
            if(ptr1==NULL)
            {
                printf("\n\t Can not open File! ");
                exit(0);
            }
```

```
        system("cls");
        box();
        t();
        //textcolor(GREEN+BLINK);
        gotoxy(8,48);
        printf("Press Anykey to go to SUPPLIER MENU !!!");
        //textcolor(GREEN);
        lbox();
        gotoxy(30,8);
        printf(" SUPPLIER LIST ");
        //textcolor(WHITE);
        gotoxy(5,10);
        printf("ID.  SUPPLIER NAME.      PH.NO.     CITY.        EMAIL");
        gotoxy(4,12);
        i=14;

printf("================================================================"
);
        while(fscanf(ptr1,"%d %s %s %s
%s",&temp1.supp_id,temp1.supp_name,temp1.city,temp1.mob_no,temp1.email)!=EOF
)
        {
                gotoxy(4,i);
                printf(" %d",temp1.supp_id);
```

```
                gotoxy(9,i);
                printf(" %s",temp1.supp_name);
                gotoxy(29,i);
                printf(" %s",temp1.city);
                gotoxy(41,i);
                printf(" %s",temp1.mob_no);
                gotoxy(54,i);
                printf(" %s",temp1.email);
                i=i+2;
            }
            getche();
}
//======================search supplier==================
void search()
{
  int ch;

          do
          {
            system("cls");
            //textcolor(WHITE);
            gotoxy(17,10);
            printf(" Two options Available for searching ");
```

```
gotoxy(15,15);
printf("Search by");
gotoxy(25,15);
//textcolor(RED+BLINK);
printf("I");
//textcolor(WHITE);
gotoxy(26,15);
printf("D number");

gotoxy(15,18);
printf("Search by");
gotoxy(25,18);
//textcolor(RED+BLINK);
printf("N");
//textcolor(WHITE);
gotoxy(26,18);
printf("ame");

gotoxy(15,21);
//textcolor(RED+BLINK);
printf("R");
//textcolor(WHITE);
gotoxy(16,21);
```

```
printf("eturn");
main_box();
gotoxy(17,24);
printf("Press First charecter for the operation : ");
ch=toupper(getche());
switch(ch)
{
	case 'I':
		animation();
		search_id();

		break;
	case 'N':
		animation();
		search_name();
		break;
	case 'R':
		animation();
		supplier();
		break;
	default:
		gotoxy(22,18);
		printf("You entered wrong choice!!!!!");
```

```
                    getch();
            }
            }while(ch!='R');

}
//================================ Search by id
============================
void search_id()
{
  int id;
  FILE *fp;

            fp=fopen("supplier.dat","r");
            if(fp==NULL)
            {
              printf("file can't open!!!!");

            }
            system("cls");
            box();
            gotoxy(13,8);
            printf("Enter id to be searched:");
            scanf("%d",&id);
```

```
        gotoxy(20,35);
        //textcolor(YELLOW);
        printf("Press Any key to Return Back Menu ....");
        gotoxy(12,14);
        printf("ID.  SUPPLIER NAME.   CITY.     PH.NO.       EMAIL");
        gotoxy(12,16);
        i=18;

printf("============================================================");
        while(fscanf(fp,"%d %s %s %s
%s",&temp1.supp_id,temp1.supp_name,temp1.mob_no,temp1.city,temp1.email)!=EOF
)
        {
              if(temp1.supp_id==id)
              {
                    gotoxy(10,i);
                    printf(" %d",temp1.supp_id);
                    gotoxy(15,i);
                    printf(" %s",temp1.supp_name);
                    gotoxy(30,i);
                    printf(" %s",temp1.city);
                    gotoxy(40,i);
                    printf(" %s",temp1.mob_no);
                    gotoxy(53,i);
```

```
                printf(" %s",temp1.email);
                i++;
                break;
            }
        }
        if(temp1.supp_id!=id)
        {
            gotoxy(20,30);
            printf("Record not found!");
        }
        fclose(fp);
        getche();
}
//============================ Search by name
============================
void search_name()
{
  char name[20];
  FILE *fp;

        fp=fopen("supplier.dat","r");
        if(fp==NULL)
        {
```

```
            printf("file can't open!!!!");


        }
        system("cls");
        box();
        fp=fopen("supplier.dat","rb");
        gotoxy(13,8);
        printf(" Enter Supplier Name to be searched : ");
        scanf("%s",&name);
        gotoxy(20,35);
        //textcolor(YELLOW);
        printf("Press Any key to Return Back Menu ....");
        gotoxy(12,14);
        printf("ID. SUPPLIER NAME.   CITY.     PH.NO.       EMAIL");
        gotoxy(12,16);
        i=18;

printf("============================================================");


        while(fscanf(fp,"%d %s %s %s
%s",&temp1.supp_id,temp1.supp_name,temp1.mob_no,
temp1.city,temp1.email)!=EOF)
        {
                if(strcmp(temp1.supp_name,name)==0)
```

```
        {
                gotoxy(11,i);
                printf(" %d",temp1.supp_id);
                gotoxy(15,i);
                printf(" %s",temp1.supp_name);
                gotoxy(30,i);
                printf(" %s",temp1.city);
                gotoxy(40,i);
                printf(" %s",temp1.mob_no);
                gotoxy(53,i);
                printf(" %s",temp1.email);
                i++;
                break;
        }
}
if(strcmp(temp1.supp_name,name)!=0)
{
        gotoxy(20,30);
        //textcolor(YELLOW);
        printf("Record not found!!!");
}
fclose(ptr1);
getche();
```

```
}
//============supp update=================
void sup_update()
{
  int i;
  char ch;
  int sid;
  FILE *ft;
  system("cls");
  box();
            ptr1=fopen("supplier.dat","rb+");
            if(ptr1==NULL )
            {
                  printf("\n\t Can not open file!! ");
                  exit(0);
            }
            lbox();
            gotoxy(30,8);
            printf(" Modifying Supplier ");
            gotoxy(12,13);
            printf("Enter supplier ID :  ");
           // //flushall();
            scanf("%d",&sid);
```

```
        gotoxy(12,15);


                ft=fopen("temp.dat","w");
                if(ft==NULL)
                {
                        printf(" Can not open file");
                        exit(1);
                }
                else
                {
                        while(fscanf(ptr1,"%d %s %s %s
%s",&temp1.supp_id,temp1.supp_name,temp1.mob_no,
temp1.city,temp1.email)!=EOF)
                        {
                                if(temp1.supp_id==sid)
                                {
                                        gotoxy(18,17);
                                        printf(" Existing Record  ");
                                        gotoxy(10,19);
                                        printf("%d\t %s \t%s \t%s
\t%s",temp1.supp_id,temp1.supp_name,temp1.mob_no, temp1.city,temp1.email);
                                        gotoxy(12,22);
                                        printf("Enter New Name      : ");
                                        //flushall();
```

```
ventry(temp1.supp_name,0);
gotoxy(12,24);
printf("Enter New mobile no  : ");
//flushall();
ventry(temp1.mob_no,1);
gotoxy(12,26);
printf("Enter New City      : ");
//flushall();
ventry(temp1.city,0);
gotoxy(12,28);
printf("Enter New email     : ");
//flushall();
ventry(temp1.email,2);
gotoxy(20,32);
//textcolor(RED+BLINK);
printf("U");
gotoxy(21,32);
//textcolor(WHITE);
printf("pdate");
gotoxy(30,32);
//textcolor(RED+BLINK);
printf("C");
gotoxy(31,32);
```

```
                                        //textcolor(WHITE);
                                        printf("ancel");
                                        gotoxy(18,36);
                                        printf("Press First charecter for the operation : ");
                                        ch=getch();
                                        if(ch=='u' || ch=='U')
                                        {
                                           fprintf(ft,"%d %s %s %s
%s\n",temp1.supp_id,temp1.supp_name,temp1.mob_no,temp1.city,temp1.email);
                                           //flushall();
                                           gotoxy(20,38);
                                           printf("Supplier updated successfully...");
                                           remove("supplier.dat");
                                           rename("temp.dat","supplier.dat");


                                        }
                                }
                        else
                        {
                                fprintf(ft,"%d %s %s %s
%s\n",temp1.supp_id,temp1.supp_name,temp1.mob_no,temp1.city,temp1.email);
                                fflush(stdin);
                        }
                }
```

```
            fclose(ft);
            fclose(ptr1);
            }
}
//================================END OF SUPPLIER
FUNCTION==================
//========FOR CUSTOMER ENTRY=================
void cust_entry()
{
 char ch;
 int id;
 FILE *fp;
 system("cls");
            fp=fopen("customer.dat","a");
            if(fp==NULL)
            {
                  printf("\n Can not open file!!");
                  exit(0);
            }
            system("cls");
            ch='y';
            while(ch=='y')
```

```
{
        system("cls");
        //textcolor(14);
        t();
        box();
        lbox();
        gotoxy(30,8);
        printf(" CUSTOMER ENTRY ");
        gotoxy(8,13);
        //flushall();
        temp_c.cust_id=getcust_id();
        printf("CUSTOMER ID :%d",temp_c.cust_id);
        //ventry(temp_c.cust_id,1);
        //flushall();
        gotoxy(39,13);
        printf("CUSTOMER NAME : ");
        gotoxy(8,18);
        printf("CITY       : ");
        gotoxy(39,18);
        printf("CONTACT NO.   : ");
        gotoxy(8,23);
        printf("EMAIL ID    : ");
```

```
gotoxy(55,13);
//flushall();
ventry(temp_c.cust_name,0);
gotoxy(22,18);
ventry(temp_c.city,0);
//flushall();
gotoxy(55,18);
ventry(temp_c.mob_no,1);
//flushall();
gotoxy(22,23);
gets(temp_c.email);
//flushall();

gotoxy(20,30);
//textcolor(RED+BLINK);
printf("S");
//textcolor(WHITE);
gotoxy(21,30);
printf("ave");
gotoxy(28,30);
//textcolor(RED+BLINK);
printf("C");
//textcolor(WHITE);
```

```
                gotoxy(29,30);
                printf("ancel");
                gotoxy(18,36);
                printf("Press First charecter for the operation : ");
                ch=getch();
                if(ch=='s' || ch=='S')
                {
                        fprintf(fp,"%d %s %s %s
%s\n",temp_c.cust_id,temp_c.cust_name,temp_c.mob_no, temp_c.city,temp_c.email);
                        fprintf(fp,"\n");
                        fflush(stdin);
                        system("cls");
                        gotoxy(20,20);
                        printf("Customer Added Successfully!!!!!");
                        //textcolor(10);
                        gotoxy(20,25);
                        printf("More entries  [y/n] ");
                        ch=getche();

                }
        }
        fclose(fp);
}
```

```
//=========FOR CUSTOMER DISPLAY LIST ==========
void cust_list()
{
 char ch;
 system("cls");
        ptr1=fopen("customer.dat","r");
        if(ptr1==NULL)
        {
            printf("\n\t Can not open File! ");
            exit(0);
        }
        system("cls");
        box();
        //textcolor(GREEN+BLINK);
        gotoxy(8,48);
        printf("Press Anykey to go to CUSTOMER MENU!!!");
        //textcolor(GREEN);
        lbox();
        gotoxy(30,8);
        printf(" CUSTOMER LIST ");
        //textcolor(WHITE);
        i=14;
```

```
        gotoxy(5,10);
        printf(" ID. CUSTOMER NAME.    CITY.     MOBILE.NO.      EMAIL");
        gotoxy(4,12);

printf("=============================================================");
        while(fscanf(ptr1,"%d %s %s %s
%s",&temp_c.cust_id,temp_c.cust_name,temp_c.mob_no,
temp_c.city,temp_c.email)!=EOF)
        {
            gotoxy(4,i);
            printf(" %d",temp_c.cust_id);
            gotoxy(11,i);
            printf(" %s",temp_c.cust_name);
            gotoxy(28,i);
            printf(" %s",temp_c.city);
            gotoxy(40,i);
            printf(" %s",temp_c.mob_no);
            gotoxy(53,i);
            printf(" %s",temp_c.email);
            i=i+2;
        }
        getche();
}
//=====================search CUSTOMER=================
```

```
void cust_search()
{
  int ch;

          do
           {
             system("cls");
             //textcolor(WHITE);
             gotoxy(17,10);
             printf(" Two options Available for searching ");
             gotoxy(15,15);
             printf("Search by");
             gotoxy(25,15);
             //textcolor(RED+BLINK);
             printf("I");
             //textcolor(WHITE);
             gotoxy(26,15);
             printf("D number");

             gotoxy(15,18);
             printf("Search by");
             gotoxy(25,18);
             //textcolor(RED+BLINK);
```

```
printf("N");
//textcolor(WHITE);
gotoxy(26,18);
printf("ame");

gotoxy(15,21);
//textcolor(RED+BLINK);
printf("R");
//textcolor(WHITE);
gotoxy(16,21);
printf("eturn");
main_box();
gotoxy(17,24);
printf("Press First charecter for the operation : ");
ch=toupper(getche());
switch(ch)
{
	case 'I':
		animation();
		search_cid();

		break;
	case 'N':
```

```
                    animation();
                    search_cname();
                    break;
            case 'R':
                    animation();
                    customer();
                    break;
            default:
                    gotoxy(22,18);
                    printf("You entered wrong choice!!!!!");
                    getch();
        }
        }while(ch!='R');
    getche();
}
//============================Search by CustomerId=========================
void search_cid()
{
  int id;
  system("cls");
  box();
        ptr1=fopen("customer.dat","rb");
        gotoxy(13,8);
```

```
        printf("\xDB\xDB\xB2  Enter id to be searched:");
        scanf("%d",&id);
        //textcolor(GREEN);
        //textcolor(WHITE);
        i=18;
        gotoxy(9,15);
        printf(" ID. CUSTOMER NAME.    CITY.     MOBILE.NO.      EMAIL");
        gotoxy(8,16);

printf("============================================================");
        while(fscanf(ptr1,"%d %s %s %s
%s",&temp_c.cust_id,temp_c.cust_name,temp_c.mob_no,
temp_c.city,temp_c.email)!=EOF)
        {
              if(temp_c.cust_id==id)
              {
                    gotoxy(8,i);
                    printf(" %d",temp_c.cust_id);
                    gotoxy(15,i);
                    printf(" %s",temp_c.cust_name);
                    gotoxy(28,i);
                    printf(" %s",temp_c.city);
                    gotoxy(40,i);
                    printf(" %s",temp_c.mob_no);
```

```
                    gotoxy(54,i);
                    printf(" %s",temp_c.email);
                    gotoxy(20,35);
                    //textcolor(YELLOW);
                    printf("Press Any key to go to CUSTOMER MENU .....");
                    break;
                }
            }
            if(temp_c.cust_id!=id)
            {
                gotoxy(20,30);
                printf("Record not found!");
            }
            fclose(ptr1);
    getche();
}
/*****************************search by
CUSTOMERname*****************************/
void search_cname()
{
  char name[20];
  system("cls");
  box();
```

```
        ptr1=fopen("customer.dat","rb");
        gotoxy(12,8);
        printf("\xDB\xDB\xB2  Enter Customer Name to be searched:");
        scanf("%s",&name);
        //textcolor(GREEN);
        //textcolor(WHITE);
        i=18;
        gotoxy(9,15);
        printf(" ID. CUSTOMER NAME.    CITY.     MOBILE.NO.      EMAIL");
        gotoxy(8,16);

printf("============================================================");
        while(fscanf(ptr1,"%d %s %s %s
%s",&temp_c.cust_id,temp_c.cust_name,temp_c.mob_no,
temp_c.city,temp_c.email)!=EOF)
        {
              if(strcmp(temp_c.cust_name,name)==0)
              {
                    gotoxy(8,i);
                    printf(" %d",temp_c.cust_id);
                    gotoxy(15,i);
                    printf(" %s",temp_c.cust_name);
                    gotoxy(28,i);
                    printf(" %s",temp_c.city);
```

```
                    gotoxy(40,i);
                    printf(" %s",temp_c.mob_no);
                    gotoxy(54,i);
                    printf(" %s",temp_c.email);
                    gotoxy(20,35);
                    //textcolor(YELLOW);
                    printf("Press Any key to go to CUSTOMER MENU .....");
                    break;
                }
            }
            if(strcmp(temp_c.cust_name,name)!=0)
            {
                gotoxy(5,10);
                //textcolor(YELLOW);
                printf("Record not found!");
            }
            fclose(ptr1);
          getche();
}
//============CUSTOMER update================
void cust_update()
{
  int i;
```

```
char ch;
int cid;
FILE *ft;
system("cls");
box();
        ptr1=fopen("customer.dat","rb+");
        if(ptr1==NULL)
        {
                printf("\n\t Can not open file!! ");
                exit(0);
        }
        lbox();
        gotoxy(30,8);
        printf(" Modifying customer ");
        gotoxy(12,13);
        printf("Enter the CUSTOMER ID : ");
        scanf("%d",&cid);
        gotoxy(12,15);

                ft=fopen("temp.txt","w");
                if(ft==NULL)
                {
                        printf("\n Can not open file");
```

```
                exit(0);
            }
            else
            {

                while(fscanf(ptr1,"%d %s %s %s
%s",&temp_c.cust_id,temp_c.cust_name,temp_c.mob_no,
temp_c.city,temp_c.email)!=EOF)
                {
                    if(temp_c.cust_id==cid)
                    {
                        gotoxy(25,17);
                        printf("*** Existing Record ***");
                        gotoxy(10,19);
                        printf("%d\t %s \t%s \t%s
\t%s",temp_c.cust_id,temp_c.cust_name,temp_c.mob_no, temp_c.city,temp_c.email);
                        gotoxy(12,22);
                        printf("Enter New Name       : ");
                        //flushall();
                        ventry(temp_c.cust_name,0);
                        gotoxy(12,24);
                        printf("Enter New mobile no   : ");
                        //flushall();
                        ventry(temp_c.mob_no,1);
```

```
gotoxy(12,26);
printf("Enter New City        : ");
//flushall();
ventry(temp_c.city,0);
gotoxy(12,28);
printf("Enter New email       : ");
//flushall();
scanf("%s",temp_c.email);
gotoxy(20,32);
//textcolor(RED+BLINK);
printf("U");
gotoxy(21,32);
//textcolor(WHITE);
printf("pdate");
gotoxy(30,32);
//textcolor(RED+BLINK);
printf("C");
gotoxy(31,32);
//textcolor(WHITE);
printf("ancel");
gotoxy(18,35);
printf("Press First charecter for the operation : ");
ch=getche();
```

```
                                    if(ch=='u' || ch=='U')
                                    {
                                    fprintf(ft,"%d %s %s %s
%s\n",temp_c.cust_id,temp_c.cust_name,temp_c.mob_no, temp_c.city,temp_c.email);
                                  //  fprintf(ft,"\n");
                                    fflush(stdin);
                                    gotoxy(20,36);
                                    printf("Customer updated successfully...");
                                    remove("customer.dat");
                                    rename("temp.txt","customer.dat");
                                    }                                       }
                                    else
                                    {
                                    fprintf(ft,"%d %s %s %s
%s\n",temp_c.cust_id,temp_c.cust_name,temp_c.mob_no, temp_c.city,temp_c.email);
                                    fflush(stdin);
                                    }
                                }



        fclose(ft);
        fclose(ptr1);
    }
```

```
}


//============================ END OF CUSTOMER FUNCTION
==================

//============================ FOR MEDICINE PURCHASE    ==================

void medi_entry()

{

  char ch,id[6];

//  struct date d;

    time_t t = time(0);   // get time now

    struct tm * now = localtime( & t );

  int f;

  FILE *fp;

  system("cls");

            //getdate(&d);


            ptrp_r=fopen("purreport.dat","a");

            ch='Y';

            while(ch=='Y')

            {

                  system("cls");

                  box();

                  //textcolor(14);
```

```
//              t();  // THIS FUN IS USED FOR DISPLAY DATE & TIME.....
                lbox();
                gotoxy(30,8);
                ////textcolor(GREEN+BLINK);
                printf(" MEDICINE PURSHASE  ");
                {
                        //textcolor(WHITE);
                        gotoxy(7,11);
                        printf("MEDICINE ID    : ");

                        gotoxy(40,11);
                        printf("MEDICINE NAME  : ");

                        gotoxy(7,14);
                        printf("ENTER RACK NO  : ");

                        gotoxy(40,14);
                        printf("CABNIT NO      : ");

                        gotoxy(7,18);
                        printf("COMPANY NAME   : ");

                        gotoxy(40,18);
```

```
printf("SUPPLIER NAME  : ");

gotoxy(7,21);
printf("UNIT COST   Rs.:  ");

gotoxy(40,21);
printf("SALE COST   Rs.: ");

gotoxy(7,24);
printf("QUANTITY      :  ");

gotoxy(7,27);
printf("MFG.DATE(dd-mm-yyyy): ");

gotoxy(7,29);
printf("EXP.DATE(dd-mm-yyyy): ");

gotoxy(25,11);
ventry(temp.id,1);
strcpy(id,temp.id);

fp=fopen("medical.dat","r");
while((fread(&temp,sizeof(temp),1,fp))==1)
```

```
{


if(strcmp(id,temp.id)==0)
{
        f=1;
        break;
}
}
fclose(fp);
if(f==1)
{
        gotoxy(20,31);
        printf("ID Allready Exists");
        getche();
        system("cls");
        medi_entry();
}
else
{
ptr=fopen("medical.dat","a+b");
strcpy(temp.id,id);
strcpy(p_r.medi_id,temp.id);
}
```

```
//flushall();
gotoxy(58,11);
ventry(temp.medi_name,0);
strcpy(p_r.medir_name,temp.medi_name);
//flushall();
gotoxy(25,14);
ventry(a,1);
temp.rack= atoi(a);//atoi() used for convert str to int.
//flushall();
gotoxy(58,14);
ventry(temp.cabnit,2);
//flushall();
gotoxy(25,18);
ventry(temp.comp_name,0);
//flushall();
gotoxy(58,18);
ventry(temp.supp_name,0);
strcpy(p_r.supp_name,temp.supp_name);
//flushall();
gotoxy(25,21);
ventry(a,1);
temp.unit= atof(a);
//flushall();
```

```
                p_r.rate=temp.unit;
                gotoxy(58,21);
                ventry(a,1);
                temp.sale= atof(a);
                //flushall();
                gotoxy(25,24);
                ventry(a,1);
                temp.quantity= atoi(a);
                p_r.qty=temp.quantity;
                //flushall();
                gotoxy(29,27);
                //flushall();
                ventry(temp.manu_date,1);
                gotoxy(29,29);
                //flushall();
                ventry(temp.exp_date,1);

                gotoxy(7,31);
printf("============================================================");
                temp.total=temp.quantity*temp.sale;

                //textcolor(10);
```

```
            gotoxy(10,33);
            printf("TOTAL SALE COST = Rs. %.2f",temp.total);
            temp.cost=(temp.unit*temp.quantity);
            gotoxy(40,33);
            printf("TOTAL UNIT COST = Rs. %.2f",temp.cost);
            p_r.total=temp.cost;
            p_r.sDay=now->tm_mday;
            p_r.sMonth=now->tm_mon;
            p_r.sYear=now->tm_year;
        }
    gotoxy(20,35);
    //textcolor(RED+BLINK);
    printf("S");
    //textcolor(WHITE);
    gotoxy(21,35);
    printf("ave");
    gotoxy(28,35);
    //textcolor(RED+BLINK);
    printf("C");
    //textcolor(WHITE);
    gotoxy(29,35);
    printf("ancel");
    gotoxy(18,38);
```

```
                printf("Press First charecter for the operation : ");



                ch=toupper(getche());


                if(ch=='S')
                {
                        fwrite(&temp,sizeof(temp),1,ptr);
                        fflush(stdin);
                        //textcolor(10);
                        fprintf(ptrp_r,"%s %s %s %d %.2f %.2f %d %d
%d\n",p_r.medi_id,p_r.medir_name,p_r.supp_name,p_r.qty,p_r.rate,p_r.total,p_r.sDay
,p_r.sMonth,p_r.sYear);
                        system("cls");
                        gotoxy(20,20);
                        printf("Medicine Added sucessfully!!!!!!");
                        gotoxy(20,25);
                        printf("More entries  [y/n]");
                        ch=toupper(getche());
                    /*  if(ch=='Y')
                        {
                                system("cls");
                                medi_entry();
                        }*/
```

```
                }


            }
            fclose(ptr);
            fclose(ptrp_r);
}
//===========FOR MEDICINE SALE=========================
void medi_sale()
{
  struct bill bil;
  //struct date d;
  time_t t = time(0);   // get time now
    struct tm * now = localtime( & t );
  int j,n,i,a,billno;
  int d1,m,y;
  float b,total,rate;
  char tar[30],ch,mediname[30],c_name[30],cname[30];
  FILE *fp,*fpc;
  int count=0;
  //getdate(&d);
  d1=now->tm_mday;
  m=now->tm_mon;
  y=now->tm_year;
```

```
        ch='y';
        while(ch=='y')
        {
            fp = fopen("dbbill.dat","a");
            ptr1 = fopen("customer.dat","r");
            ptr = fopen("medical.dat","r");
            ptrs_r=fopen("saleRpt.dat","a");
            ptrpr_r=fopen("profitRpt.dat","a");
            system("cls");
            box();
            for(i=3;i<=45;i++)     //This 'FOR' loop will print asteriks 'I'
            {                   //vertically till the 3th row is reached.
            gotoxy(50,i);
            printf("%c",219);
            }
            i=9;
            gotoxy(52,7);
            printf("Cust_ID    Cust_Name");
            //flushall();
            while(fscanf(ptr1,"%d %s %s %s
%s",&temp_c.cust_id,temp_c.cust_name,temp_c.mob_no,
temp_c.city,temp_c.email)!=EOF)
            {
                gotoxy(53,i);
```

```
            printf("%d",temp_c.cust_id);
            gotoxy(64,i);
            printf("%s",temp_c.cust_name);
            i+=2;
}

gotoxy(9,7);
printf("ENTER MEDICINE ID TO BE SOLD  : ");
ventry(tar,1);
//scanf("%s",&tar);
j=0;
while((fread(&temp,sizeof(temp),1,ptr))==1)
{
            if((strcmp(temp.id,tar)<0) || (strcmp(temp.id,tar)>0))
            {
                        x[j] = temp;
                        j++;
            }
            else if((strcmp(temp.id,tar)==0))
            {

                        gotoxy(8,10);
                        printf(" Medicine Name       : %s",temp.medi_name);
```

```
gotoxy(8,12);
printf(" Quantity in stock    : %d",temp.quantity);
gotoxy(8,14);
printf(" Sales price          : %.2f",temp.sale);
gotoxy(8,16);
printf("Enter bill number     : ");
//flushall();
ventry(bil.billno,1);
//scanf("%s",&bil.billno);
gotoxy(8,18);
printf("Enter customer Name   : ");
//flushall();
ventry(c_name,0);
//scanf("%s",&c_name);
gotoxy(8,20);
printf("Quantity want to sale : ");
//ventry(a,1);
scanf("%d",&a);

pr_r.profit=(temp.sale-temp.unit)*a;
x[j]=temp;
x[j].quantity=(x[j].quantity-a);
x[j].total=(x[j].quantity*temp.sale);
```

```
                    x[j].cost=(x[j].quantity*temp.unit);

                    x[j].bye=(x[j].sale*a);

                    b=x[j].bye;

                    x[j].qty=a;

                    j++;

                    count++;

                    strcpy(bil.cname,c_name);

                    strcpy(s_r.cust_name,c_name);

                    strcpy(bil.mediname,temp.medi_name);

                    bil.medi_qty=a;

                    bil.medi_rate=temp.sale;

                    bil.total=temp.sale*a;


                    bil.day=d1;

                    bil.month=m;

                    bil.year=y;


                    fprintf(fp,"%s %s %s %d %.2f %.2f %d %d
%d\n",bil.billno,bil.cname,bil.mediname,bil.medi_qty,bil.medi_rate,bil.total,bil.day,bil.
month,bil.year);

                    fflush(stdin);


                    fclose(fp);
```

```
                    s_r.sDay=d1;
                    s_r.sMonth=m;
                    s_r.sYear=y;
                    strcpy(s_r.medi_id,tar);
                    strcpy(s_r.medir_name,temp.medi_name);
                    s_r.qty=a;
                    s_r.rate=temp.sale;
                    s_r.total=temp.sale*a;

                    //sale report
                    fprintf(ptrs_r,"%s %s %s %d %.2f %.2f %d %d
%d\n",s_r.medi_id,s_r.medir_name,s_r.cust_name,s_r.qty,s_r.rate,s_r.total,s_r.sDay,s_
r.sMonth,s_r.sYear);
                    fflush(stdin);
                    fclose(ptrs_r);
                    //profit report

                    pr_r.sDay=d1;
                    pr_r.sMonth=m;
                    pr_r.sYear=y;
                    strcpy(pr_r.medi_id,tar);
                    strcpy(pr_r.medir_name,temp.medi_name);
                    pr_r.qty=a;
                    pr_r.rate=temp.sale;
```

```
                    pr_r.unit=temp.unit;
                    fprintf(ptrpr_r,"%s %s %d %d %d %d %.2f %.2f
%.2f\n",pr_r.medi_id,pr_r.medir_name,d1,pr_r.sMonth,pr_r.sYear,pr_r.qty,pr_r.unit,pr
_r.rate,pr_r.profit);
                    fflush(stdin);
                    fclose(ptrpr_r);


                }
            }
            if (count==0)
            {
                system("cls");
                gotoxy(33,10);
                printf("Not in stock!!!!!");
                getch();
                return;
            }
            fclose(ptr1);
            fclose(ptr);
            n = j;
            system("cls");
            ptr=fopen("medical.dat","wb");
            for(i=0; i<n; i++)
            fwrite(&x[i],sizeof(x[i]),1,ptr);
```

```
                fclose(ptr);
                system("cls");
                box();
                gotoxy(8,15);
                printf("* Price paid by customer = %.2f",b);
                gotoxy(8,17);
                printf("* Quantity sold         = %d",a);
                getch();
                gotoxy(10,20);
                printf("more enteries=(y/n) :");
                ch=getche();
            }

}
//==========================MEDICINE
STOCK====================================
void stock()
{
  char ch;
  int i,c;
            do
            {
                system("cls");
```

```
        ptr1=fopen("medical.dat","r");
        if(ptr1==NULL)
        {
                printf("\n\t Can not open File! ");
                exit(1);
        }
        system("cls");
        box();
        lbox();
        //textcolor(GREEN);
        gotoxy(30,8);
        ////textcolor(GREEN+BLINK);
        printf(" STOCK OF MEDICINE ");
        //textcolor(WHITE);
        i=14;
        gotoxy(9,10);
        printf("ID.   MEDICINE NAME.    QTY     Supplier Name     Exp.Date");
        gotoxy(9,12);

    printf("============================================================
======\n");

        while((fread(&temp,sizeof(temp),1,ptr1))==1)
        {
```

```
        gotoxy(9,i);
        printf(" %s",temp.id);
        gotoxy(15,i);
        printf(" %s",temp.medi_name);
        gotoxy(32,i);
        printf(" %d",temp.quantity);
        gotoxy(43,i);
        printf(" %s",temp.supp_name);
        gotoxy(60,i);
        printf(" %s",temp.exp_date);
        i++;
}
gotoxy(10,42);
printf("Press [1] for Update Medicine Stock  & [0] for main menu ");
c = (getche());
switch (c)
{
        case '0':animation();
                main_menu();
                break;
        case '1':update_stock();
                break;
}
```

```
        }while(c != '1');
        getche();
}
//============================== FOR MEDICINE SEARCH
====================
void medi_search()
{
  char mid[6];
  int i,c;
  system("cls");
        ptr1=fopen("medical.dat","r");
        if(ptr1==NULL)
        {
                printf("\n\t Can not open File! ");
                exit(0);
        }
        system("cls");
        box();

        gotoxy(10,7);
        printf("Enter Medicine Id to be searched : ");
        scanf("%s",&mid);
```

```
        system("cls");
        box();
        lbox();
        //textcolor(GREEN);
        gotoxy(30,8);
        //textcolor(GREEN+BLINK);
        printf(" MEDICINE ");
        //textcolor(WHITE);
        i=14;
        gotoxy(9,10);
        printf("ID.   MEDICINE NAME.    QTY     Supplier Name     Exp.Date");
        gotoxy(9,12);

printf("================================================================
\n");
        while((fread(&temp,sizeof(temp),1,ptr1))==1)
        {
            if(strcmp(mid,temp.id)==0)
            {
                gotoxy(9,i);
                printf(" %s",temp.id);
                gotoxy(15,i);
                printf(" %s",temp.medi_name);
                gotoxy(32,i);
```

```
                printf(" %d",temp.quantity);
                gotoxy(43,i);
                printf(" %s",temp.supp_name);
                gotoxy(60,i);
                printf(" %s",temp.exp_date);
                i++;
                break;
            }

        }
        if(strcmp(mid,temp.id)!=0)
        {
            gotoxy(20,20);
            printf("Not in Stock.....");
        }
        getche();

}
//============================ FOR MEDICINE UPDATE ====================
void update_stock()
{
  char mid[6];
  int j,a,count=0,n;
```

```
system("cls");
        ptr=fopen("medical.dat","rb");
        if(ptr==NULL)
        {
            printf("\n\t Can not open File! ");
            exit(0);
        }
        system("cls");
        box();
        gotoxy(20,45);
        printf("Press Enter to go to MENU .....");
        //textcolor(GREEN);
        gotoxy(27,8);
        ////textcolor(GREEN+BLINK);
        printf(" UPDATE MEDICINE QUANTITY ");
        //textcolor(WHITE);
        gotoxy(9,10);
        printf("Enter medicine id to be update qty: ");
        scanf("%s",&mid);
        j=0;

        while((fread(&temp,sizeof(temp),1,ptr))==1)
        {
```

```
if((strcmp(temp.id,mid)<0) || (strcmp(temp.id,mid)>0))
{
        x[j] = temp;
        j++;
}
else
{
        gotoxy(8,12);
        printf("Medicine Name     : %s",temp.medi_name);
        gotoxy(8,14);
        printf("Quantity in stock : %d",temp.quantity);
        gotoxy(8,16);
        printf("Quantity want to update : ");
        scanf("%d",&a);
        x[j]=temp;
        x[j].quantity=(x[j].quantity+a);
        x[j].total=(x[j].quantity*temp.sale);
        x[j].cost=(x[j].quantity*temp.unit);
        x[j].bye=(x[j].sale*a);
        x[j].qty=a;
        j++;
        count++;
}
```

```
        }
        if (count==0)
        {
                system("cls");
                gotoxy(33,10);
                printf("Not in stock!!!!!!");
                getch();
                return;
        }
        fclose(ptr);
        n = j;
        system("cls");
        ptr=fopen("medical.dat","wb");
        for(i=0; i<n; i++)
        fwrite(&x[i],sizeof(x[i]),1,ptr);
        fclose(ptr);
}
//====================== view report ============================/
void sale_rpt()
{
  char ch;
  int j;
  system("cls");
```

```
        ptrs_r=fopen("saleRpt.dat","r");
        if(ptrs_r==NULL)
        {
            printf("\n\t Can not open File! ");
            exit(0);
        }
        system("cls");
        box();
        gotoxy(20,50);
        printf("Press any key to go to REPORT MENU .....");
        lbox();
        //textcolor(GREEN);
        gotoxy(30,8);
        ////textcolor(GREEN+BLINK);
        printf("Sales Report");
        //textcolor(WHITE);
        gotoxy(7,10);
        printf("ID. Medicine Name.  Customer Name.   Qty.  Rate.  Total.   Date");
        gotoxy(7,12);

printf("================================================================
=");
        j=14;
```

```
        while(fscanf(ptrs_r,"%s %s %s %d %f %f %d %d
%d\n",s_r.medi_id,s_r.medir_name,s_r.cust_name,&s_r.qty,&s_r.rate,&s_r.total,&s_r.s
Day,&s_r.sMonth,&s_r.sYear)!=EOF)
        {
            gotoxy(6,j);
            printf("%s",s_r.medi_id);
            gotoxy(11,j);
            printf("%s",s_r.medir_name);
            gotoxy(28,j);
            printf("%s",s_r.cust_name);
            gotoxy(44,j);
            printf("%d",s_r.qty);
            gotoxy(50,j);
            printf("%.2f",s_r.rate);
            gotoxy(57,j);
            printf("%.2f",s_r.total);
            gotoxy(65,j);
            printf("%d-%d-%d",s_r.sDay,s_r.sMonth,s_r.sYear);
            j=j+2;
        }
        getche();
}
//======================= VIEW PURCHASE REPORT
==========================
```

```
void pur_rpt()
{
  char ch;
  int j;
  system("cls");
  t();
  box();
            ptrp_r=fopen("purreport.dat","r");
            if(ptrp_r==NULL)
            {
                  printf("\n\t Can not open File! ");
                  exit(0);
            }
            gotoxy(20,50);
            printf("Press Enter to go to REPORT MENU .....");
            lbox();
            //textcolor(GREEN);
            gotoxy(30,8);
            printf("Purchase Report");
            //textcolor(WHITE);
            gotoxy(7,10);
            printf("ID. Medicine Name.  Supplier Name.   Qty.  Rate.  Total.   Date");
            gotoxy(7,12);
```

```
printf("================================================================
==");

        j=14;

        while(fscanf(ptrp_r,"%s %s %s %d %f %f %d %d
%d\n",p_r.medi_id,p_r.medir_name,p_r.supp_name,&p_r.qty,&p_r.rate,&p_r.total,&p_
r.sDay,&p_r.sMonth,&p_r.sYear)!=EOF)

        {

                gotoxy(6,j);

                printf("%s",p_r.medi_id);

                gotoxy(11,j);

                printf("%s",p_r.medir_name);

                gotoxy(28,j);

                printf("%s",p_r.supp_name);

                gotoxy(44,j);

                printf("%d",p_r.qty);

                gotoxy(50,j);

                printf("%.2f",p_r.rate);

                gotoxy(57,j);

                printf("%.2f",p_r.total);

                gotoxy(65,j);

                printf("%d-%d-%d",p_r.sDay,p_r.sMonth,p_r.sYear);

                j+=2;

        }
```

```
            getche();
}
//======================== report of profit ==========================
void profit_rpt()
{
  char ch;
  int j;
  system("cls");
  t();
  box();
            ptrpr_r=fopen("profitRpt.dat","r");
            if(ptrpr_r==NULL)
            {
                  printf("\n\t Can not open File! ");
               //  exit(0);
            }
            gotoxy(20,50);
            printf("Press Enter to go to REPORT MENU .....");
            lbox();
            //textcolor(GREEN);
            gotoxy(30,8);
            printf("Profit Report");
            //textcolor(WHITE);
```

```
        gotoxy(7,10);
        printf("ID. Medicine Name.   Date       Qty.  Unit Price  Sale Price. Profit. ");
        gotoxy(7,12);

printf("=================================================================
=");
        j=14;
        while(fscanf(ptrpr_r,"%s %s %d %d %d %d %f %f %f
\n",pr_r.medi_id,pr_r.medir_name,&pr_r.sDay,&pr_r.sMonth,&pr_r.sYear,&pr_r.qty,&p
r_r.unit,&pr_r.rate,&pr_r.profit)!=EOF)
        {
            gotoxy(6,j);

            printf("%s",pr_r.medi_id);
            gotoxy(11,j);
            printf("%s",pr_r.medir_name);
            gotoxy(28,j);
            printf("%d-%d-%d",pr_r.sDay,pr_r.sMonth,pr_r.sYear);
            gotoxy(40,j);
            printf("%d",pr_r.qty);
            gotoxy(48,j);
            printf("%.2f",pr_r.unit);
            gotoxy(60,j);
            printf("%.2f",pr_r.rate);
```

```
                gotoxy(70,j);
                printf("%.2f",pr_r.profit);
                gotoxy(10,j);
                printf("%c",124);
                j+=2;

        }
        getche();
}

void sale_rpt_daily()
{
  char ch;
  int j,d,m,y;
  float total=0.00;
  system("cls");
        ptrs_r=fopen("saleRpt.dat","r");
        if(ptrs_r==NULL)
        {
                printf("\n\t Can not open File! ");
                exit(0);
        }
        system("cls");
```

```
        gotoxy(15,10);
        printf("Enter Date(dd-mm-yyyy):  ");
        scanf("%d-%d-%d",&d,&m,&y);
        system("cls");
        gotoxy(20,50);
        printf("Press any key to go to REPORT MENU .....");
        box();
        lbox();
        //textcolor(GREEN);
        gotoxy(30,8);
        ////textcolor(GREEN+BLINK);
        printf("Sales Report");
        //textcolor(WHITE);
        gotoxy(7,10);
        printf("ID. Medicine Name.  Customer Name.   Qty.  Rate.  Total.   Date");
        gotoxy(7,12);

printf("================================================================
=");
        j=14;
        while(fscanf(ptrs_r,"%s %s %s %d %f %f %d %d
%d\n",s_r.medi_id,s_r.medir_name,s_r.cust_name,&s_r.qty,&s_r.rate,&s_r.total,&s_r.s
Day,&s_r.sMonth,&s_r.sYear)!=EOF)
        {
```

```
        if(d==s_r.sDay &&m== s_r.sMonth && y==s_r.sYear)
        {
        gotoxy(6,j);
        printf("%s",s_r.medi_id);
        gotoxy(11,j);
        printf("%s",s_r.medir_name);
        gotoxy(28,j);
        printf("%s",s_r.cust_name);
        gotoxy(44,j);
        printf("%d",s_r.qty);
        gotoxy(50,j);
        printf("%.2f",s_r.rate);
        gotoxy(57,j);
        printf("%.2f",s_r.total);
        gotoxy(65,j);
        printf("%d-%d-%d",s_r.sDay,s_r.sMonth,s_r.sYear);
        j=j+2;
        total=total+s_r.total;
        }
}
gotoxy(7,42);
printf("----------------------------------------------------------------");
gotoxy(45,43);
```

```
            printf("Total:       %.2f",total);
            getche();
}
void pur_rpt_daily()
{
  char ch;
  int j,d,m,y;
  float total=0.00;

            ptrp_r=fopen("purreport.dat","r");
            if(ptrp_r==NULL)
            {
                  printf("\n\t Can not open File! ");
                  exit(0);
            }
            system("cls");
            gotoxy(15,10);
            printf("Enter Date(dd-mm-yyyy):  ");
            scanf("%d-%d-%d",&d,&m,&y);
            system("cls");
            gotoxy(20,50);
            printf("Press Enter to go to REPORT MENU .....");
            t();
```

```
        box();
        lbox();
        //textcolor(GREEN);
        gotoxy(30,8);
        printf("Purchase Report");
        //textcolor(WHITE);
        gotoxy(7,10);
        printf("ID. Medicine Name.  Supplier Name.   Qty.  Rate.  Total.   Date");
        gotoxy(7,12);

printf("================================================================
=");
        j=14;
        while(fscanf(ptrp_r,"%s %s %s %d %f %f %d %d
%d\n",p_r.medi_id,p_r.medir_name,p_r.supp_name,&p_r.qty,&p_r.rate,&p_r.total,&p_
r.sDay,&p_r.sMonth,&p_r.sYear)!=EOF)
        {
            if(d==p_r.sDay &&m== p_r.sMonth && y==p_r.sYear)
            {
            gotoxy(6,j);
            printf("%s",p_r.medi_id);
            gotoxy(11,j);
            printf("%s",p_r.medir_name);
            gotoxy(28,j);
```

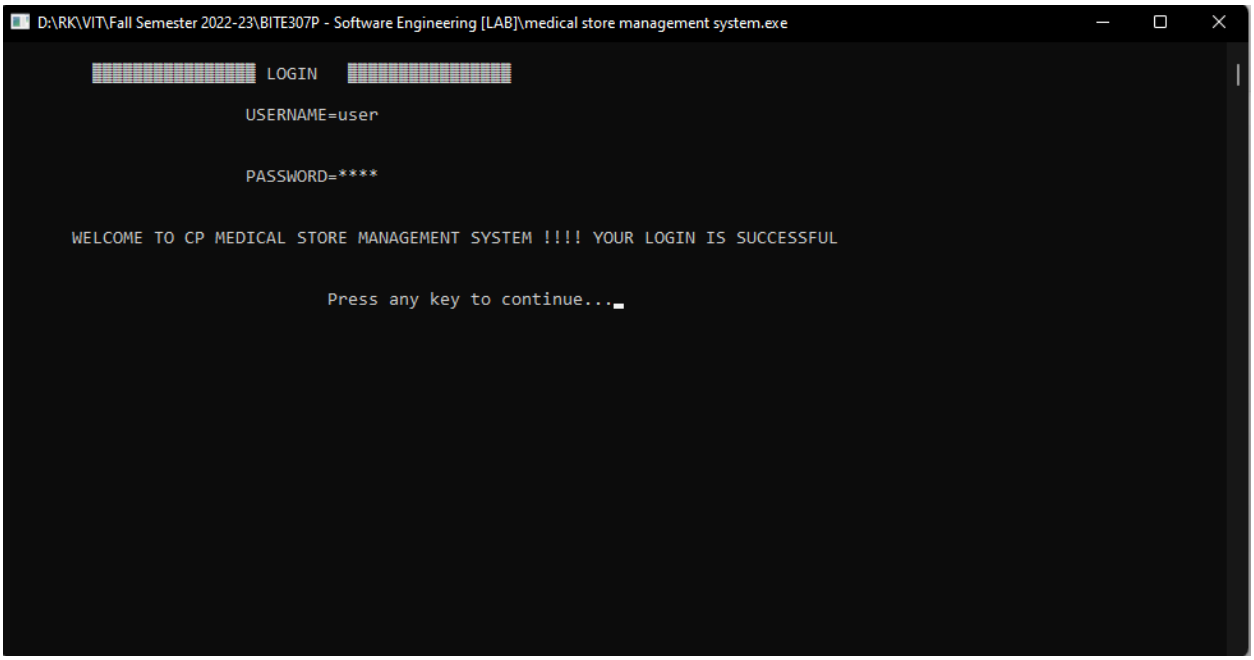
```
                printf("%s",p_r.supp_name);
                gotoxy(44,j);
                printf("%d",p_r.qty);
                gotoxy(50,j);
                printf("%.2f",p_r.rate);
                gotoxy(57,j);
                printf("%.2f",p_r.total);
                gotoxy(65,j);
                printf("%d-%d-%d",p_r.sDay,p_r.sMonth,p_r.sYear);
                j+=2;
                total=total+p_r.total;
                }
        }
        gotoxy(7,42);
        printf("----------------------------------------------------------------");
        gotoxy(45,43);
        printf("Total:       %.2f",total);
        getche();
}

//=============================================:) THE END :)
================================
```

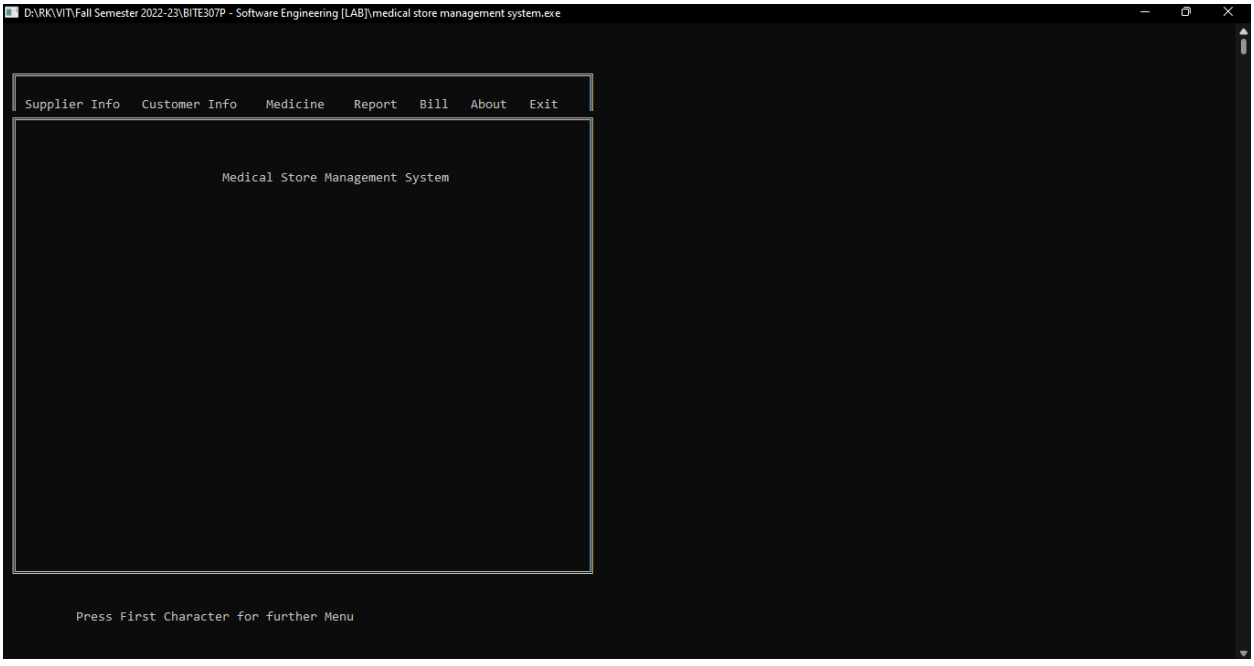
- **NOTE: - Username: “user” Password: “pass”**

6. OUTPUT:

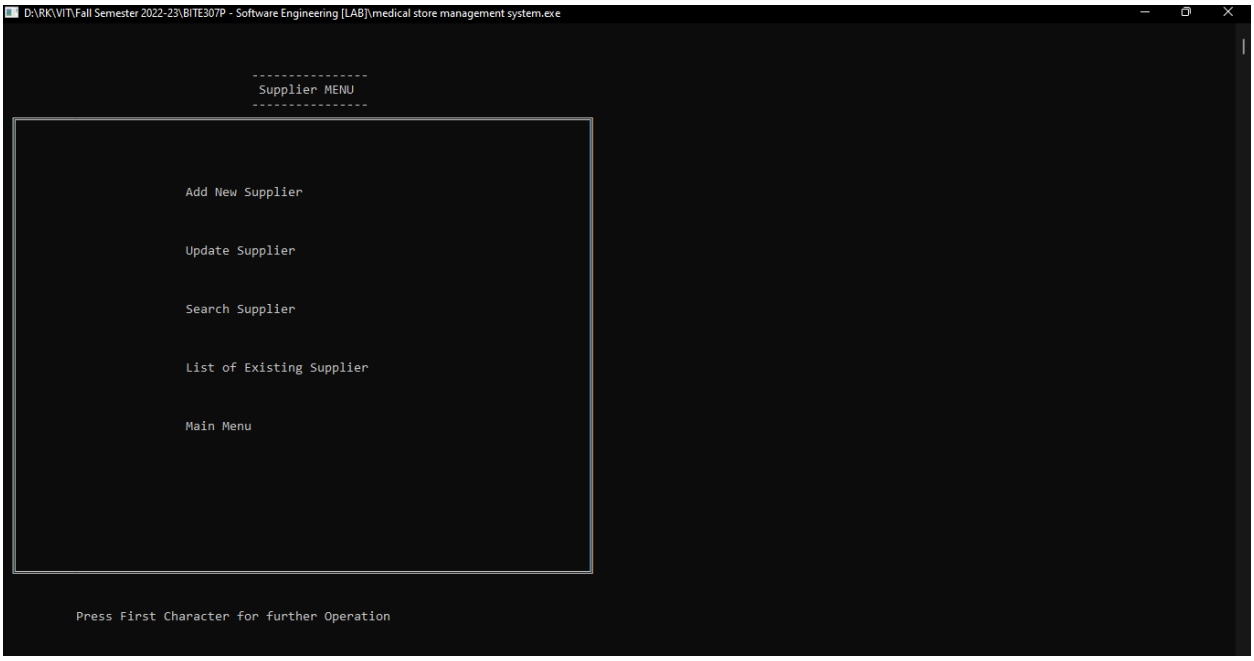
6.1. LOGIN SCREEN:



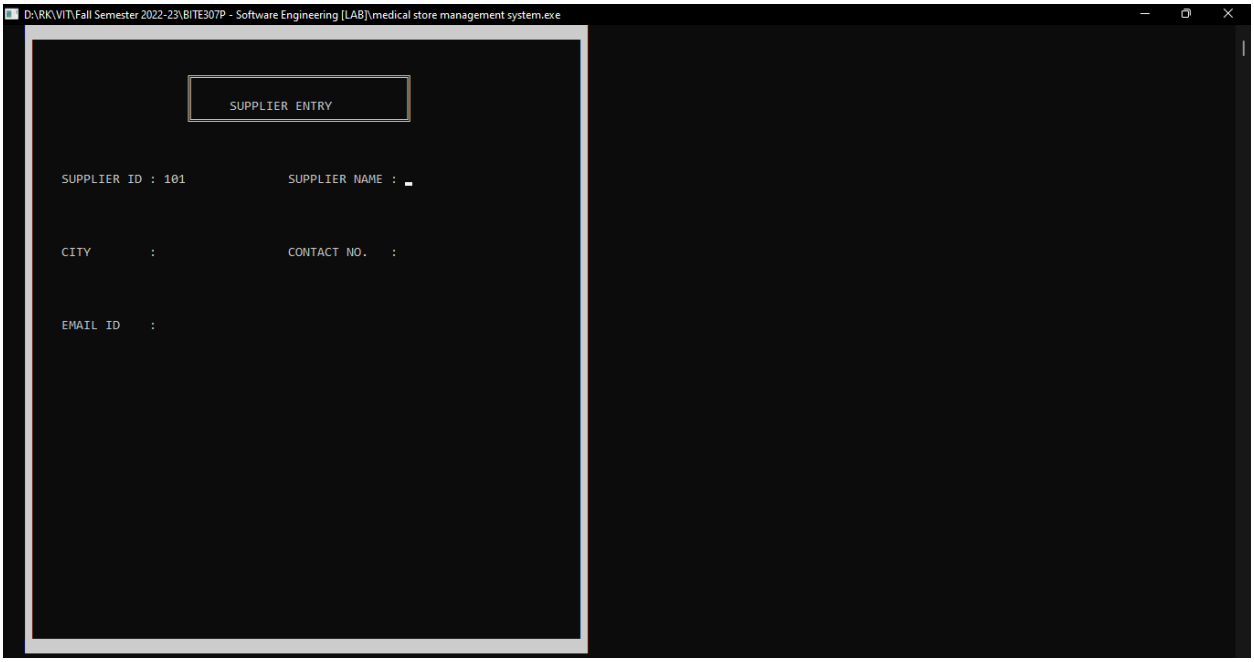
6.2. HOME SCREEN:



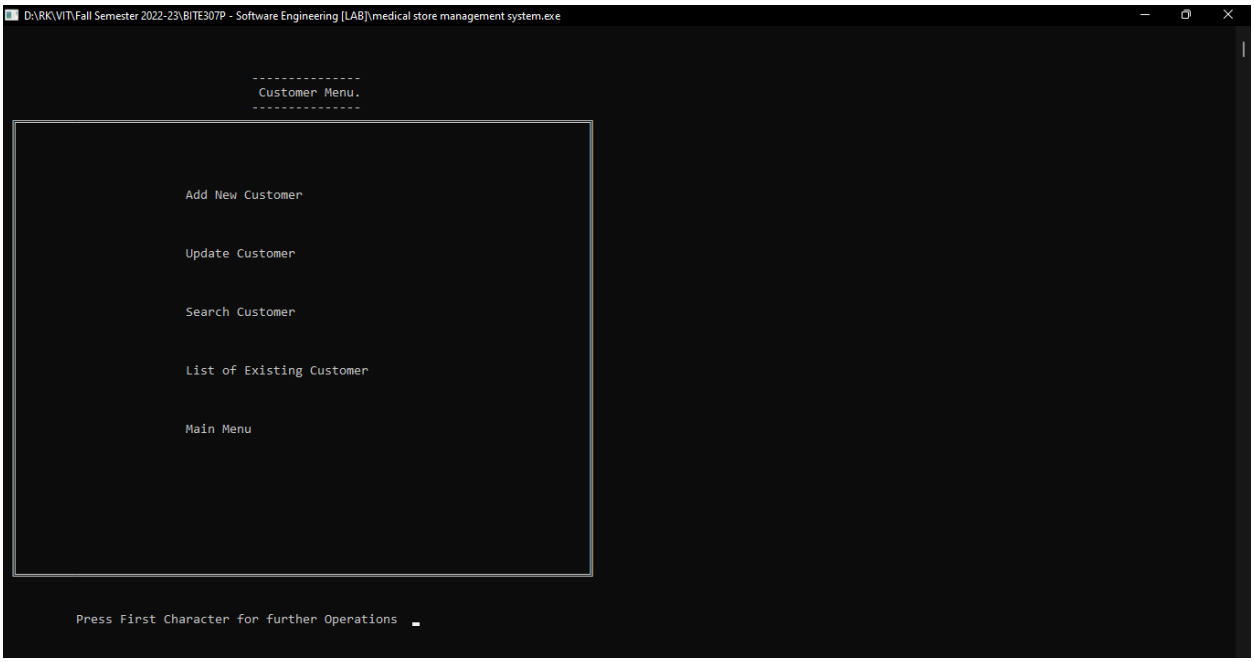
6.3. SUPPLIER INFO. SCREEN:



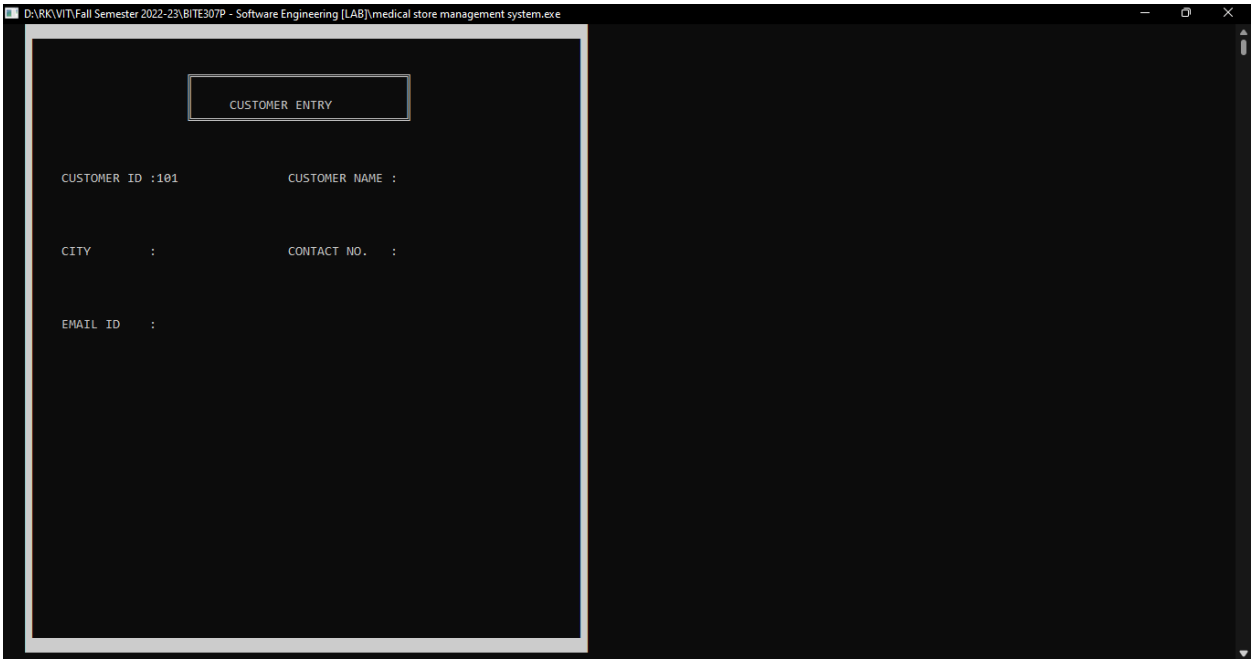
6.3.1. ADD SUPPLIER SCREEN:



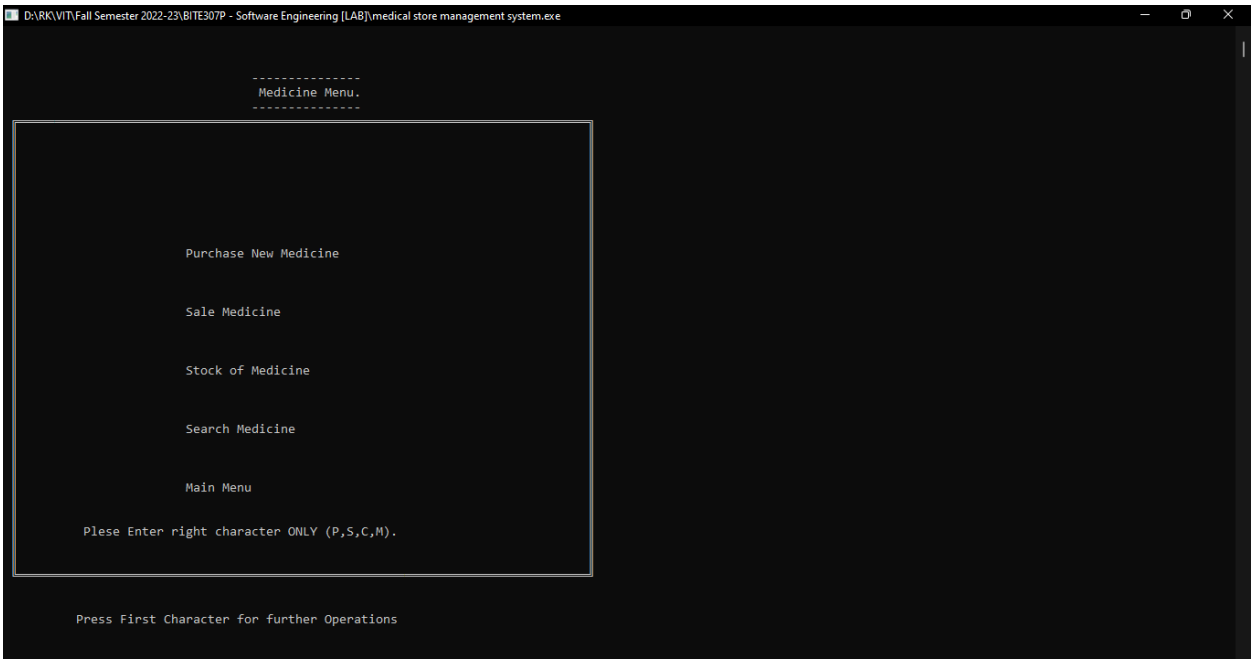
6.4. CUSTOMER INFO. SCREEN:



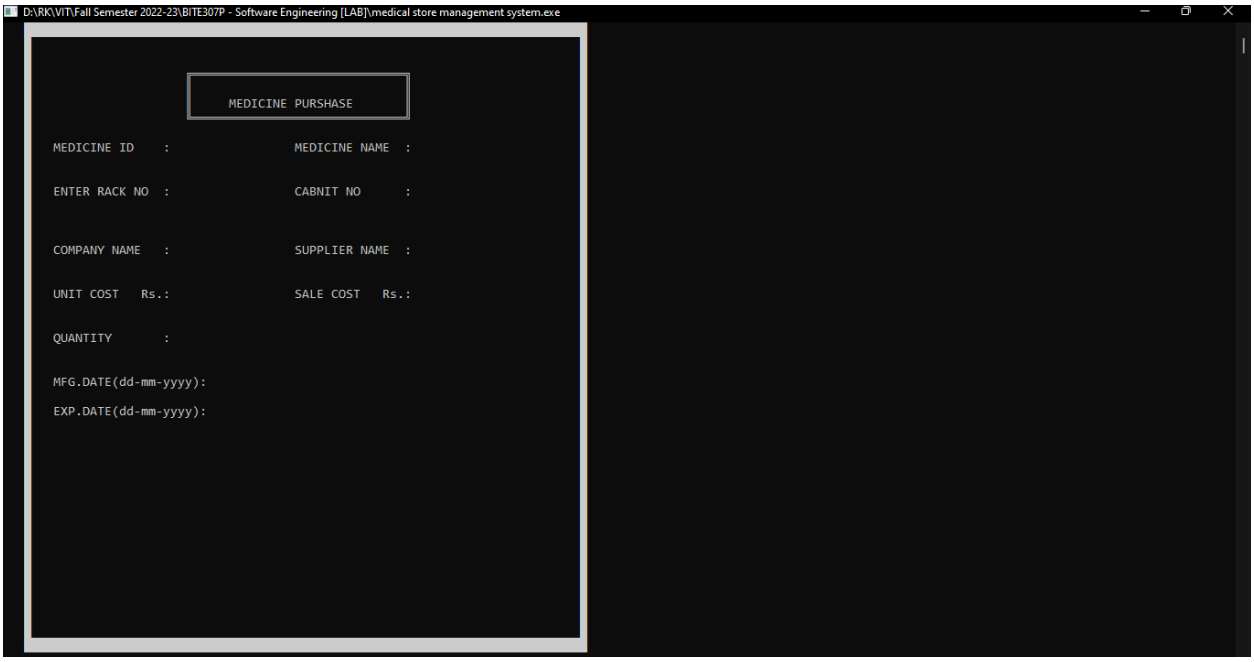
6.4.1 ADD NEW CUSTOMER SCREEN:



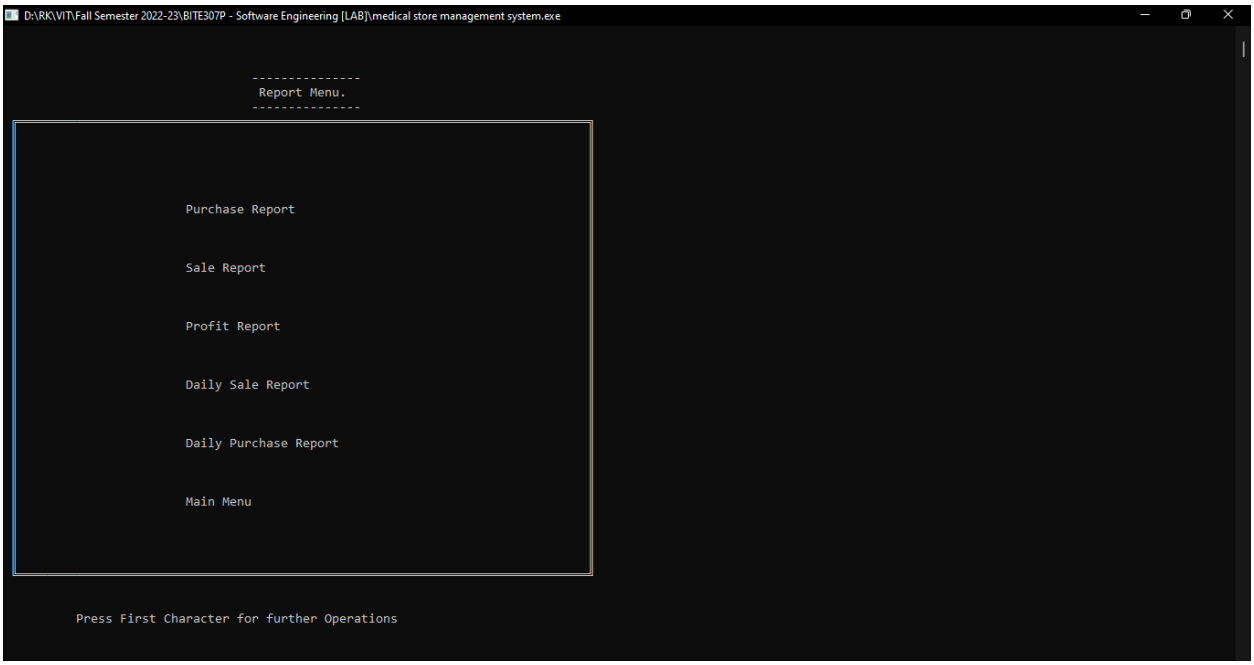
6.5. MEDICINE SCREEN:



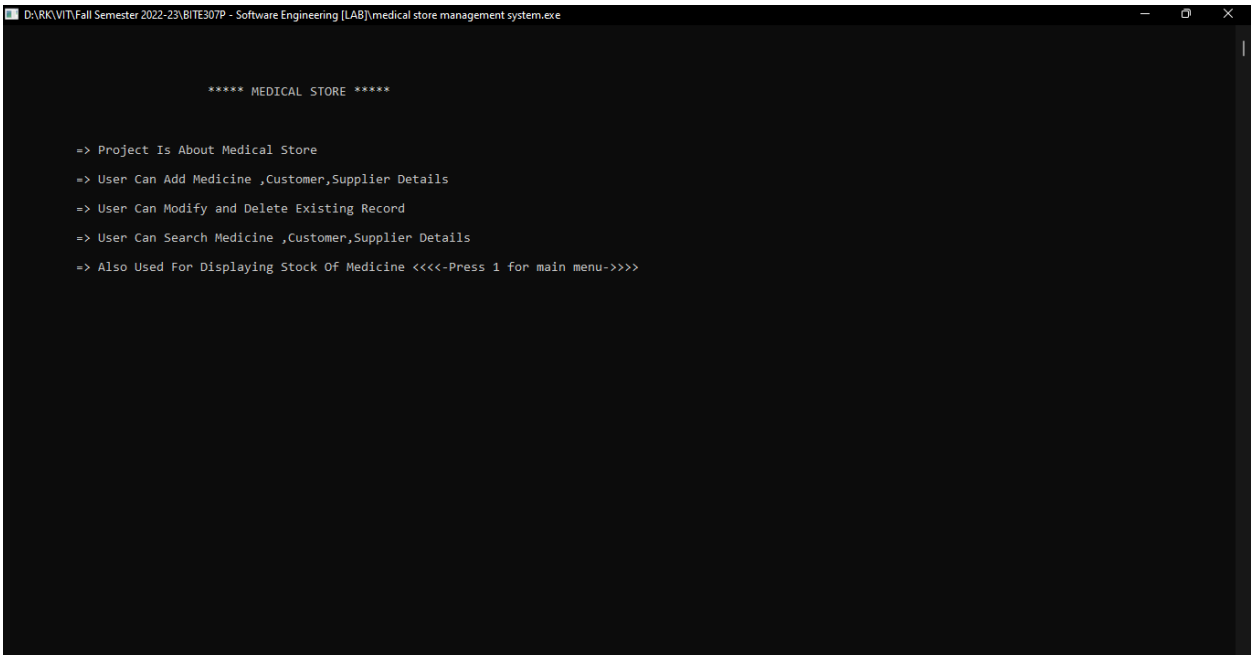
6.5.1. MEDICINE PURCHASE SCREEN:



6.6. REPORT SCREEN:



6.7. ABOUT SCREEN:



7. TEST CASE:

7.1. LOGIN:

Username (length):

<= 0	INVALID
0<”username”<12	VALID
13<=	INVALID

Password (length):

<= 0	INVALID
0<”username”<12	VALID
13<=	INVALID

7.2. MAIN MENU:

S,C,M,R,B,A VALID

- Supplier Info : S
- Customer Info : C
- Medicine Info : M
- Report : R
- Bill Menu : B
- About : A

Other than (S,C,M,B,A) INVALID

7.3. SUPPLIER MENU:

A,L,U,S,M VALID

- Add New Supplier : A
- Update Supplier : U
- Search Supplier : S
- List of Existing Supplier : L
- Main Menu : M

Other than (A,L,U,S,M) INVALID

7.4. CUSTOMER MENU:

A,L,U,S,M VALID

- Add New Customer : A
- Update Customer : U
- Search Customer : S
- List of Existing Customer : L
- Main Menu : M

Other than (A,L,U,S,M) INVALID

7.5. MEDICINE MENU

P,S,C,M VALID

- Purchase New Medicine : P
- Sale Medicine : S
- Stock Medicine : C
- Main Menu : M

Other than (P,S,C,M) INVALID

7.6. REPORT MENU

P,S,O,D,M	VALID

- Purchase Report : P
- Sale Report : S
- Profit Report : O
- Daily Purchase Report : D
- Main Menu : M

Other than (P,S,O,D,M)	INVALID

7.7. BILL MENU

Bill No. FORMAT :(KP1021)	VALID
Other than Bill No.	INVALID

7.8. EXIT

Y (yes) OR N (no)	VALID
Other than Y and N	INVALID