**CHAPTER 2**

**PROJECT DESCRIPTION**

**2.1 ABOUT PROJECT**

Pharmacy Management System is actually based on taking medicine orders and paying bills. When a user orders a medicine, he/she get a receipt number which is used to check order and clear payments. Also A verified user can input medicines data in his store add them but here we have not used due to lack of knowledge on file handling. We have just showed that how it works and used arrays and strings for the execution process.

**2.1 SOURCE CODE**

#include<stdio.h>

#include<conio.h>

#include<ctype.h>

#include<stdlib.h>

#include<string.h>

//Declarations a,b,c has been used To assign array value in different functions.

char drugname[10][30]={"Pantoprazole","Vitamin C(500mg)","Acid Free C(500mg)","Womens Multivitamin","Sinex","Painkiller","Tusinol","Azithromycin","Fluconazole","Metronidazole"};

int drugid[10]={1,2,3,4,5,6,7,8,9,10}, stock[10]={100,200,600,1000,500,900,300,800,1200,1500};//order function

float price[10]={6,10,15,25,3,5,80,40,50,20};

int i, count, recnum[100], choice[10], quantity[10], tprice[10];

char medicname[10][30],name[10][20];

//Starts Coding

int main(){

int Choice;

Start:

system("cls");

printf("\t\t\t Pharmacy Management System \n");

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

printf("\t\t--------------------------------------------------\n");

printf("\t\t||\t1. Enter Control Pannel \t\t ||\n"); //COntrol PAnnel For Verified Users Only But Works With File Handing This Is Just A Design But Working CAn Be MAde Using File HAndling

printf("\t\t||\t2. Take new Medicine order \t\t ||\n");

printf("\t\t||\t3. Delete latest Medicine order\t\t ||\n");

printf("\t\t||\t4. Print the Reciept and Make Payment \t ||\n");

printf("\t\t||\t5. Exit\t\t\t\t\t ||\n");

printf("\t\t--------------------------------------------------\n");

printf("Enter Choice: ");

scanf("%d",&Choice);

switch(Choice){

case 2:

order();

break;

case 3:

delorder();

break;

case 4:

printbill();

break;

case 5:

printf("\n\nThank You");

exit(1);

break;

default:

printf("\nInvalid Input");

printf("\nEnter Valid Input");

sleep(1);

goto Start;

break;

getch();

}

}

//After Choic

order(){

system("cls");

int b,tempquant;

printf("\nAdd Order Details\n");

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \n\n");

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

printf("DRUGS ID\tDRUGS TYPE\tDRUGS NAME DRUGS PRICE(RS)\t Expiry Date(MM/YY)\t Stocks Available\n");

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n"); //TB Represents Tablet And CC Represents Capsule And Sy Represents Syrup

printf("0001 \t TB \t%s RS %.2f\t\t\t12/20\t\t\t%d\n",drugname[0],price[0],stock[0]);

printf("0002 \t CC \t%s RS %.2f\t\t10/21\t\t\t%d\n",drugname[1],price[1],stock[1]);

printf("0003 \t TB \t%s RS %.2f\t\t05/20\t\t\t%d\n",drugname[2],price[2],stock[2]);

printf("0004 \t CC \t%s RS %.2f\t\t08/22\t\t\t%d\n",drugname[3],price[3],stock[3]);

printf("0005 \t TB \t%s RS %.2f\t\t\t09/21\t\t\t%d\n",drugname[4],price[4],stock[4]);

printf("0006 \t TB \t%s Rs %.2f\t\t\t10/21\t\t\t%d\n",drugname[5],price[5],stock[5]);

printf("0007 \t SY \t%s \tRS %.2f\t\t01/22\t\t\t%d\n",drugname[6],price[6],stock[6]);

printf("0008 \t CC \t%s RS %.2f\t\t02/23\t\t\t%d\n",drugname[7],price[7],stock[7]);

printf("0009 \t CC \t%s RS %.2f\t\t09/20\t\t\t%d\n",drugname[8],price[8],stock[8]);

printf("0010 \t TB \t%s RS %.2f\t\t07/20\t\t\t%d\n",drugname[9],price[9],stock[9]);

//Selection Starts

printf("\nType Order Number: ");

scanf("%d",&b);

if(recnum[b]!=0){

printf("\n\nReceipt Number Already Taken.");

printf("\n\nPress Any Key To Continue...");

getch();

main();

}

else{

recnum[b]=b;

printf("\nEnter Your Name: ");

scanf("%s",name[b]);

printf("\nHow Many Medicines Do You Want To Order: ");

scanf("%d",&i);

if(i>=10){

printf("\n\nOnly 10 Medicines Are Allowed To Order Once..");

printf("\nPress Any Key To Continue...");

getch();

main();

}

else{

for(count=1; count<=i; count++){

printf("\n\nEnter Drug ID (Ignore 0): ");

scanf("%d",&choice[count]);

printf("Medicine Name: %s",drugname[choice[count]-1]);

strcpy(medicname[count],drugname[choice[count]-1]);

printf("\nEnter Quantity: ");

scanf("%d",&quantity[count]);

tempquant=quantity[count];

tprice[b] =tprice[b] + tempquant\*price[choice[count]-1];

stock[choice[count]-1] = stock[choice[count]-1] - tempquant;

}

}

}

printf("\n\nThe Amount You Need To Pay: %d",tprice[b]);

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

printf("\nOrder Taken Successfully\n");

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

printf("Go to Reciept Menu to Pay The Bill. Receipt Number = %d",recnum[b]);

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

printf("\n\n Press Any Key To Continue...");

getch();

main();

}

delorder(){

int c;

system("cls");

printf("Enter Receipt Number: ");

scanf("%d",&c);

if(recnum[c]==0){

printf("\\n\nThere is no Such Record.");

printf("\n\nPress Any Key To Continue...");

getch();

main();

}

else{

recnum[c]=0;

tprice[c]=0;

printf("Deleted Successfully");

printf("\n\nPress Any Key To Continue...");

getch();

main();

}

}

printbill(){

int a;

system("cls");

printf("Enter Receipt Number: ");

scanf("%d",&a);

if(recnum[a]==0){

printf("\n\nThere is no Order to show\nSo The List is Empty\n\n\n");

printf("\n\nPress Any Key To Continue...");

getch();

main();

}

else{

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

printf("\n\t\tHere is the Order list\n");

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

printf("\nCustomer Name: %s",name[a]);

printf("\nTotal Bill Amount: %d\n",tprice[a]);

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n");

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

printf("| Medicine Name | Quantity | Total Price |\n");

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

for(count=1; count<=i; count++){

printf("%s\t\t\t", medicname[count]);

printf("%d\t\t\t",quantity[count]);

printf("RS %d",price[count-1]);

printf("\n");

}

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n\n");

printf("Press Any Key To Continue....");

getch();

printf("\n\nPayment Done....\nThank You.\n\n");

recnum[a]= 0;

tprice[a]=0;

printf("Press Any Key To Continue....");

getch();

main();

}

}

**2.3 RESULT AND CONCLUSION**

Hence By Using C Programming We Successfully Developed A Sample Project For Pharmacy Management System Showing How This System Works. Here We Used Functions, Arrays, And Strings To Complete Our Project. The Only Limitation Here Is That It Can not Store The Datas Permanently Because We Have Not Used File Handling But This Project Successfully Shows The Working System And Gives The Idea About It. By Using This Idea Project Can Be Made Professional And Dynamic And Can Be Used In Large Scale If Storage System Is Made Using File Handling In C.

**-------------------------------------THE END---------------------------------------**