**MEDICAL STORE MANAGEMENT SYSTEM**

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<ctype.h>

struct Medicine{

int id,price,quantity;

char medicneName[100],Company[100],Mfg\_Date[11],Exp\_Date[11],info[5000];

}m[100];

void PurchaseMedicine(int number);

void EnterInfoAboutMedicine(int number);

void StockOfMedicine(int number);

void KnowInfoAboutMedicine(int number);

void AddMedicineinStore(int number,struct Medicine m[]);

void DeleteMedicineStore(int number);

void ChangeMedicineDetails(int number);

main()

{

int i,j,choice,number=0,c;

for(i=0;i<100;i++)

{

m[i].id=0;

m[i].price=0;

m[i].quantity=0;

strcpy(m[i].Mfg\_Date,"");

strcpy(m[i].Exp\_Date,"");

strcpy(m[i].medicneName,"");

strcpy(m[i].Company,"");

strcpy(m[i].info,"");

}

m[0].id=1;

m[0].price=120;

m[0].quantity=30;

strcpy(m[0].Mfg\_Date,"23-04-2016");

strcpy(m[0].Exp\_Date,"24-04-2020");

strcpy(m[0].medicneName,"Paracetmol");

strcpy(m[0].Company,"ABCD");

strcpy(m[0].info,"Good Medicine for Fever");

do{

printf("Enter\n1 - Purchase Medicine\n2 - Enter Information about a Medicine\n3 - Stock of Medicine in Store\n4 - Medicine Information\n5 - Add Medicine\n6 - Delete a Medicine\n7 - Change Quantity of Medicine\n");

scanf("%d",&choice);

switch(choice)

{

case 1:

{

PurchaseMedicine(number+1);

break;

}

case 2:

{

EnterInfoAboutMedicine(number+1);

break;

}

case 3:

{

StockOfMedicine(number+1);

break;

}

case 4:

{

KnowInfoAboutMedicine(number+1);

break;

}

case 5:

{

++number;

AddMedicineinStore(number,m);

break;

}

case 6:

{

DeleteMedicineStore(number+1);

break;

}

case 7:

{

ChangeMedicineDetails(number+1);

break;

}

}

printf("To Continue with other Options Enter 1 Else any other number\n");

scanf("%d",&c);

}while(c==1);

}

void PurchaseMedicine(int number)

{

int id,check,i,quantity,flag=0;

char name[100];

printf("Enter 1 if you know ID else any other number to enter Name of Medicine\n");

fflush(stdin);

scanf("%d",&check);

if(check==1)

{

printf("Enter Id to purchase Medicine\n");

fflush(stdin);

scanf("%d",&id);

for(i=0;i<number;i++)

{

if(m[i].id==id)

{

flag=1;

int c;

printf("These are the details of Medicine\n");

printf("Name%s\nPrice=%d\nAvailable Quantity=%d\nCompany=%s\nMfg Date=%s\nExp Date=%s\n",m[i].medicneName,m[i].price,m[i].quantity,m[i].Company,m[i].Mfg\_Date,m[i].Exp\_Date);

if(strcmp(m[i].info,"")==0)

{

printf("Medicine Review/Info=Not Available\n");

}

else

{

printf("Medicine Review/Info=%s\n",m[i].info);

}

printf("Do you want to purchase %s \nIf Yes Enter 1 else any other number\n",m[i].medicneName);

fflush(stdin);

scanf("%d",&c);

if(c==1)

{

printf("Enter Quantity to Purchase\n");

scanf("%d",&quantity);

if(m[i].quantity>quantity)

{

printf("Total Price to be paid=%d\n",quantity\*m[i].price);

}

else{

printf("Please Enter quantity below Available Quantity\n");

}

}

break;

}

}

if(flag==0)

{

printf("Entered Id Not Found\n");

}

}

else

{

printf("Enter Name to search and Purchase\n");

fflush(stdin);

gets(name);

for(i=0;i<number;i++)

{

if(strcmp(m[i].medicneName,name)==0)

{

flag=1;

int c;

printf("These are the details of Medicine\n");

printf("Name=%s\nPrice=%d\nAvailable Quantity=%d\nCompany=%s\nMfg Date=%s\nExp Date=%s\n",m[i].medicneName,m[i].price,m[i].quantity,m[i].Company,m[i].Mfg\_Date,m[i].Exp\_Date);

if(strcmp(m[i].info,"")==0)

{

printf("Medicine Review/Info=Not Available\n");

}

else

{

printf("Medicine Review/Info=%s\n",m[i].info);

}

printf("Do you want to purchase %s \nIf Yes Enter 1 else any other number\n",m[i].medicneName);

fflush(stdin);

scanf("%d",&c);

if(c==1)

{

printf("Enter Quantity to Purchase\n");

scanf("%d",&quantity);

if(m[i].quantity>quantity)

{

printf("Total Price to be paid=%d\n",quantity\*m[i].price);

}

else{

printf("Please Enter quantity below Available Quantity\n");

}

}

break;

}

}

if(flag==0)

{

printf("Entered Name Not Found\n");

}

}

}

void EnterInfoAboutMedicine(int number)

{

int i,flag=0,c;

char name[100],info[100];

printf("Enter Name of the medicine you want to Review or include Info\n");

fflush(stdin);

gets(name);

for(i=0;i<number;i++)

{

if(strcmp(m[i].medicneName,name)==0)

{

flag=1;

printf("These are the details of Medicine\n");

printf("Name=%s\nPrice=%d\nAvailable Quantity=%d\nCompany=%s\nMfg Date=%s\nExp Date=%s\n",m[i].medicneName,m[i].price,m[i].quantity,m[i].Company,m[i].Mfg\_Date,m[i].Exp\_Date);

if(strcmp(m[i].info,"")!=0)

{

printf("Review Already Available!\nIf you want to Add a Review Enter 1 else Any other number\n");

fflush(stdin);

scanf("%d",&c);

}

else

{

printf("Enter review(less than 100 Characters)\n");

fflush(stdin);

gets(m[i].info);

}

if(c==1)

{

printf("Enter review(less than 100 Characters)\n");

fflush(stdin);

gets(info);

strcat(m[i].info,"; ");

strcat(m[i].info,info);

}

}

}

if(flag==0)

{

printf("Entered Name Not Found\n");

}

}

void KnowInfoAboutMedicine(int number){

int i,flag=0;

char name[100];

printf("Enter Name of the medicine you want to see Review and Info\n");

fflush(stdin);

gets(name);

for(i=0;i<number;i++)

{

if(strcmp(m[i].medicneName,name)==0)

{

flag=1;

printf("These are the details of Medicine\n");

printf("Name=%s\nPrice=%d\nAvailable Quantity=%d\nCompany=%s\nMfg Date=%s\nExp Date=%s\n",m[i].medicneName,m[i].price,m[i].quantity,m[i].Company,m[i].Mfg\_Date,m[i].Exp\_Date);

if(strcmp(m[i].info,"")!=0)

{

printf("Review or Info=%s\n",m[i].info);

}

else

{

printf("Review or Info=Not Available\n");

}

}

}

if(flag==0)

{

printf("Entered Name Not Found\n");

}

}

void StockOfMedicine(int number){

int i;

if(number!=0)

{

printf("All Available Items are\n");

for(i=0;i<number;i++)

{

if(m[i].id!=0){

printf("Id=%d\nName=%s\t\tPrice=%d\tAvailable Quantity=%d\nCompany=%s\t\tMfg Date=%s\tExp Date=%s\n",m[i].id,m[i].medicneName,m[i].price,m[i].quantity,m[i].Company,m[i].Mfg\_Date,m[i].Exp\_Date);

if(strcmp(m[i].info,"")!=0)

{

printf("Review or Info=%s\n",m[i].info);

}

else

{

printf("Review or Info=Not Available\n");

}

}

}

}

else{

printf("No Items or Medicines Available\n");

}

}

void AddMedicineinStore(int number,struct Medicine m[])

{

char name[100];

printf("Enter Medicine Id\n");

scanf("%d",&(m[number].id));

fflush(stdin);

printf("Enter Medicine Name\n");

fflush(stdin);

gets(name);

strcpy(m[number].medicneName,name);

printf("Enter Company Name\n");

fflush(stdin);

gets(m[number].Company);

printf("Enter Manufactured Date\n");

fflush(stdin);

gets(m[number].Mfg\_Date);

printf("Enter Expiry Date\n");

fflush(stdin);

gets(m[number].Exp\_Date);

printf("Enter Quantity\n");

fflush(stdin);

scanf("%d",&(m[number].quantity));

printf("Enter Price\n");

fflush(stdin);

scanf("%d",&(m[number].price));

strcpy(m[number].info,"");

printf("Medicine with id %d Added Successfully\n",m[number].id);

}

void DeleteMedicineStore(int number)

{

int id,i,flag=0,num;

printf("Enter Id to be deleted\n");

fflush(stdin);

scanf("%d",&id);

for(i=0;i<number;i++)

{

if(m[i].id==id)

{

flag=1;

m[i].id=0;

m[i].price=0;

m[i].quantity=0;

strcpy(m[i].medicneName,"");

strcpy(m[i].Company,"");

strcpy(m[i].Mfg\_Date,"");

strcpy(m[i].Exp\_Date,"");

strcpy(m[i].info,"");

num=i;

break;

}

}

if(flag==1)

{

printf("Medicine with %d is Deleted Successfully\n",id);

}

}

void ChangeMedicineDetails(int number)

{

int id,quantity,choice,c,i;

printf("Enter id to change Details\n");

scanf("%d",&id);

for(i=0;i<number;i++)

{

if(m[i].id==id && m[i].id!=0)

{

do

{

printf("Enter\n1 - Change Quantity\n2 - Change Price\n3 - Change Name\n4 - Change Company\n5 - Change Manufaturing Date\n6 - Change Expiry Date\n7 - Change Info\nAny other number to exit");

scanf("%d",&choice);

if(choice==1)

{

int quantity;

printf("Enter Quantity to be changed\n");

fflush(stdin);

scanf("%d",&quantity);

m[i].quantity=quantity;

printf("Quantity changed Successfully\n");

}

if(choice==2)

{

int price;

printf("Enter Price to be changed\n");

fflush(stdin);

scanf("%d",&price);

m[i].price=price;

printf("Price changed Successfully\n");

}

if(choice==3)

{

char name[100];

printf("Enter Name to be changed\n");

fflush(stdin);

gets(name);

strcpy(m[i].medicneName,name);

printf("Medicine Name changed Successfully\n");

}

if(choice==4)

{

char company[100];

printf("Enter company to be changed\n");

fflush(stdin);

gets(company);

strcpy(m[i].Company,company);

printf("Company changed Successfully\n");

}

if(choice==5)

{

char mfg[11];

printf("Enter Manufacturing date to be changed\n");

fflush(stdin);

gets(mfg);

strcpy(m[i].Mfg\_Date,mfg);

printf("Manufacturing Date changed Successfully\n");

}

if(choice==6)

{

char exp[11];

printf("Enter Expiry date to be changed\n");

fflush(stdin);

gets(exp);

strcpy(m[i].Exp\_Date,exp);

printf("Expiry Date changed Successfully\n");

}

if(choice==7)

{

char info[100];

printf("Enter Info to be changed(Less than 100 Characters)\n");

fflush(stdin);

gets(info);

strcpy(m[i].info,info);

printf("Info changed Successfully\n");

}

if(choice<=0 && choice>7)

{

printf("Enter valid Choice\n");

}

printf("Enter 1 to Change other Details Else any other number\n");

fflush(stdin);

scanf("%d",&c);

}while(c==1);

break;

}

}

}