Garment store management

#include<fstream.h>

#include<conio.h>

#include<string.h>

#include<stdio.h>

#include<process.h>

struct dress

{

char dressname[50];

int dressid;

char gender[10];

float price;

int qty;

};

class printbill

{

dress a;

public:

void bill();

void reduce(int,int);

};

class modify

{

dress a;

public:

void choice();

void add();

void del();

void modprc();

void modqty();

void display();

};

class search

{

dress a;

public:

void choice();

void nmsearch();

void prcsearch();

void gnsearch();

};

void printbill::bill()

{

clrscr();

int id,q;

double s=0;

char c[5];

strcpy(c,"yes");

while(strcmpi(c,"yes")==0)

{

ifstream x("garment.dat",ios::binary);

cout<<"\nInput id of product :";

cin>>id;

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(a.dressid==id)

{

cout<<"Enter the quantity to buy :";

cin>>q;

if(q<=a.qty)

{

cout<<"\nDressname :"<<a.dressname;

cout<<"\nPrice of one unit :"<<a.price;

s=s+(q\*(a.price));

reduce(a.dressid,q);

}

else

cout<<"\nInsufficient quantity";

}

x.read((char\*)&a,sizeof(dress));

}

x.close();

cout<<"\nEnter yes if you want to add more amount to bill :";

gets(c);

}

cout<<"\nYour total bill is :"<<s;

getch();

}

void printbill::reduce(int id,int qty1)

{

int qty;

ifstream x("garment.dat",ios::binary);

ofstream y("dress.dat",ios::binary);

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(id==a.dressid)

{

a.qty=a.qty-qty1;

y.write((char\*)&a,sizeof(dress));

}

else

y.write((char\*)&a,sizeof(dress));

x.read((char\*)&a,sizeof(dress));

}

x.close();

y.close();

remove("garment.dat");

rename("dress.dat","garment.dat");

}

void modify::add()

{

clrscr();

ofstream x("garment.dat",ios::app,ios::binary);

cout<<"Enter garment name :";

gets(a.dressname);

cout<<"Enter dressid :";

cin>>a.dressid;

cout<<"Enter gender :";

cin>>a.gender;

cout<<"Enter price of dress :";

cin>>a.price;

cout<<"Enter quantity available in store :";

cin>>a.qty;

x.write((char\*)&a,sizeof(dress));

x.close();

getch();

}

void modify::del()

{

int id;

ifstream x("garment.dat",ios::binary);

ofstream y("dress.dat",ios::binary);

cout<<"\nEnter the id to delete :";

cin>>id;

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(a.dressid!=id)

y.write((char\*)&a,sizeof(dress));

x.read((char\*)&a,sizeof(dress));

}

x.close();

y.close();

remove("garment.dat");

rename("dress.dat","garment.dat");

cout<<"\nRecord deleted";

getch();

}

void modify::modqty()

{

int id,n;

ifstream x("garment.dat",ios::binary);

ofstream y("dress.dat",ios::binary);

cout<<"\nEnter the id to be modified :";

cin>>id;

cout<<"Enter change in quantiy :";

cin>>n;

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(a.dressid==id)

a.qty=a.qty+n;

y.write((char\*)&a,sizeof(dress));

x.read((char\*)&a,sizeof(dress));

}

x.close();

y.close();

remove("garment.dat");

rename("dress.dat","garment.dat");

cout<<"\nRecord modified";

getch();

}

void modify::modprc()

{

int id,n;

ifstream x("garment.dat",ios::binary);

ofstream y("dress.dat",ios::binary);

cout<<"\nEnter the id to be modified :";

cin>>id;

cout<<"Enter change in price :";

cin>>n;

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(a.dressid==id)

a.price=a.price+n;

y.write((char\*)&a,sizeof(dress));

x.read((char\*)&a,sizeof(dress));

}

x.close();

y.close();

remove("garment.dat");

rename("dress.dat","garment.dat");

cout<<"\nRecord modified";

getch();

}

void modify::display()

{

clrscr();

ifstream x("garment.dat",ios::binary);

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

cout<<"\nDressname :"<<a.dressname;

cout<<"\nDressid :"<<a.dressid;

cout<<"\nGender :"<<a.gender;

cout<<"\nPrice :"<<a.price;

cout<<"\nQuantity available in store :"<<a.qty;

cout<<endl;

x.read((char\*)&a,sizeof(dress));

}

x.close();

getch();

}

void search::nmsearch()

{

clrscr();

char name[10];

cout<<"Input name for search :";

cin>>name;

ifstream x("garment.dat",ios::binary);

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(strcmpi(name,a.dressname)==0)

{

cout<<"\nDressname :"<<a.dressname;

cout<<"\nDressid : "<<a.dressid;

cout<<"\nGender :"<<a.gender;

cout<<"\nPrice :"<<a.price;

cout<<"\nQuantity available in store :"<<a.qty<<endl;

}

x.read((char\*)&a,sizeof(dress));

}

x.close();

getch();

}

void search::prcsearch()

{

clrscr();

float prc;

cout<<"Input price for search :";

cin>>prc;

ifstream x("garment.dat",ios::binary);

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(a.price<=prc)

{

cout<<"\nDressname :"<<a.dressname;

cout<<"\nDressid : "<<a.dressid;

cout<<"\nGender :"<<a.gender;

cout<<"\nPrice :"<<a.price;

cout<<"\nQuantity available in store :"<<a.qty<<endl;

}

x.read((char\*)&a,sizeof(dress));

}

x.close();

getch();

}

void search::gnsearch()

{

clrscr();

char gn[10];

cout<<"Input gender for search :";

cin>>gn;

ifstream x("garment.dat",ios::binary);

x.read((char\*)&a,sizeof(dress));

while(!x.eof())

{

if(strcmpi(a.gender,gn)==0)

{

cout<<"\nDressname :"<<a.dressname;

cout<<"\nDressid : "<<a.dressid;

cout<<"\nGender :"<<a.gender;

cout<<"\nPrice :"<<a.price;

cout<<"\nQuantity available in store :"<<a.qty<<endl;

}

x.read((char\*)&a,sizeof(dress));

}

x.close();

getch();

}

void modify::choice()

{

clrscr();

int i=1,opt;

while(i==1)

{

clrscr();

cout<<"\n1: Add";

cout<<"\n2: Delete";

cout<<"\n3: Modify quantity";

cout<<"\n4: Modify price";

cout<<"\n5: Display";

cout<<"\n6: Return to previous menu";

cout<<"\nEnter your option :";

cin>>opt;

if(opt==1)

add();

else if(opt==2)

del();

else if(opt==3)

modqty();

else if(opt==4)

modprc();

else if(opt==5)

display();

else if(opt==6)

return;

else exit(0);

}

}

void search::choice()

{

int i=1,opt;

while(i==1)

{

clrscr();

cout<<"\n1: Search by name";

cout<<"\n2: Search by price";

cout<<"\n3: Search by gender";

cout<<"\n4: Return to previous menu";

cout<<"\nEnter your option :";

cin>>opt;

if(opt==1)

nmsearch();

else if(opt==2)

prcsearch();

else if(opt==3)

gnsearch();

else if(opt==4)

return;

else exit(0);

}

}

void main()

{

clrscr();

printbill a;

modify b;

search c;

int i=1,opt;

while(i==1)

{

clrscr();

cout<<"\n1: Print bill";

cout<<"\n2: Modify record";

cout<<"\n3: Search record";

cout<<"\n4: Exit";

cout<<"\nEnter your option :";

cin>>opt;

if(opt==1)

a.bill();

else if(opt==2)

b.choice();

else if(opt==3)

c.choice();

else exit(0);

}

getch();

}