#include<iostream>

#include<fstream>

#include<stdlib.h>

#include<stdio.h>

#include<cstring>

using namespace std;

struct invent

{

int sr\_no;

char name[20];

int qty;

float price;

};

int manager\_login(char login\_id[],char password[])

{

char id[8],pass[8];

FILE \*fp;

fp=fopen("manager.txt","r");

fscanf(fp,"%s",&id);

fseek(fp,1,SEEK\_CUR);

fscanf(fp,"%s",&pass);

if(!strcmp(id,login\_id)&&!strcmp(pass,password))

return 1;

else

return 0;

fclose(fp);

}

void buy()

{

int s[100],q[100],i=0,j=0,c=0,usr,n;

float p[100],total=0.0;

char ch1,ch2,ch3,item[20];

bool b=0;

FILE \*fp1,\*fp2,\*fp5;

fp1=fopen("inv1.txt","r");

fp2=fopen("inv2.txt","r");

fp5=fopen("count.txt","r");

fscanf(fp5,"%d",&n);

fclose(fp5);

for(c=0;c<n;c++)

{

fscanf(fp1,"%d",&s[i]);

cout<<s[i]<<ends;

fseek(fp1,1,SEEK\_CUR);

fscanf(fp1,"%f",&p[j]);

cout<<p[i]<<ends;

fseek(fp1,1,SEEK\_CUR);

fseek(fp2,4,SEEK\_CUR);

fscanf(fp2,"%d",&q[j]);

cout<<ends<<q[j]<<endl;

fseek(fp2,2,SEEK\_CUR);

i++;

j++;

}

fclose(fp1);

fclose(fp2);

c=0;

j=0;

cout<<endl<<"enter quantity of the material you want to buy";

FILE \*fp3;

fp3=fopen("inv.txt","r");

while(j<n)

{

fseek(fp3,4,SEEK\_CUR);

fscanf(fp3,"%s",&item);

cout<<endl<<"serial no :"<<s[c]<<endl<<"item :"<<item;

cout<<endl<<"price :"<<p[c];

cout<<endl<<"enter quantity ";

cin>>usr;

if(usr>q[c])

cout<<endl<<"sorry we are out of order for that much quantity";

else

{

total=total+usr\*p[c];

q[c]=q[c]-usr;

b=1;

}

cout<<"\n please enter again";

fseek(fp3,1,SEEK\_CUR);

c++;

j++;

}

fclose(fp3);

for(c=0;c<n;c++)

cout<<q[c]<<ends;

cout<<endl<<"your total purchase is "<<total;

cout<<"thank u";

j=0;

FILE \*fp4;

fp4=fopen("inv2.txt","w");

for(c=0;c<n;c++)

{

if(s[j]<10)

fprintf(fp4,"00%d",s[j]);

else if(s[j]<100)

fprintf(fp4,"0%d",s[j]);

else

fprintf(fp4,"%d",s[j]);

cout<<"..."<<endl;

if(q[j]<10)

fprintf(fp4,":00%d\n",q[j]);

else if(q[j]<100)

fprintf(fp4,":0%d\n",q[j]);

else

fprintf(fp4,":%d\n",q[j]);

j++;

}

cout<<"\n thank u for shopping come again";

fclose(fp4);

}

void check\_stocks()

{

int s,q;

float p;

char ch,ch1,ch2,item[20];

cout<<endl<<" Your current stocks are "<<endl;

FILE \*fp,\*fp1,\*fp2;

fp=fopen("inv.txt","r");

fp1=fopen("inv1.txt","r");

fp2=fopen("inv2.txt","r");

while((ch=getc(fp))!=EOF&&(ch1=getc(fp1))!=EOF&&(ch2=getc(fp2))!=EOF)

{

fscanf(fp,"%d",&s);

cout<<s<<ends;

fseek(fp,1,SEEK\_CUR);

fscanf(fp,"%s",&item);

cout<<item<<ends;

fscanf(fp1,"%d",&s);

fseek(fp1,1,SEEK\_CUR);

fscanf(fp1,"%f",&p);

cout<<p<<ends;

fscanf(fp2,"%d",&s);

fseek(fp2,1,SEEK\_CUR);

fscanf(fp2,"%d",&q);

cout<<q<<ends;

cout<<endl;

}

fclose(fp);

fclose(fp1);

fclose(fp2);

}

void add\_stocks()

{

int n,i,c;

struct invent inv;

FILE \*fp,\*fp1,\*fp2,\*fp3,\*fp5;

fp=fopen("inv.txt","a");

fp1=fopen("inv1.txt","a");

fp2=fopen("inv2.txt","a");

fp3=fopen("total.txt","a");

fp5=fopen("count.txt","r");

cout<<endl<<"enter no of items you want to enter ";

cin>>n;

fscanf(fp5,"%d",&c);

c=c+n;

fclose(fp5);

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

{

cout<<endl<<"for"<<i+1<<"item"<<endl;

cout<<"enter serial no"<<endl;

cin>>inv.sr\_no;

cout<<"enter name of the item"<<endl;

cin>>inv.name;

cout<<"enter quantity"<<endl;

cin>>inv.qty;

cout<<"enter price for unit quantity"<<endl;

cin>>inv.price;

if(inv.sr\_no<10)

{

fprintf(fp,"00%d",inv.sr\_no);

fprintf(fp1,"00%d",inv.sr\_no);

fprintf(fp2,"00%d",inv.sr\_no);

fprintf(fp3,"00%d",inv.sr\_no);

}

else if(inv.sr\_no<100)

{

fprintf(fp,"0%d",inv.sr\_no);

fprintf(fp1,"0%d",inv.sr\_no);

fprintf(fp2,"0%d",inv.sr\_no);

fprintf(fp3,"0%d",inv.sr\_no);

}

else

{

fprintf(fp,"%d",inv.sr\_no);

fprintf(fp1,"%d",inv.sr\_no);

fprintf(fp2,"%d",inv.sr\_no);

fprintf(fp3,"%d",inv.sr\_no);

}

fprintf(fp,":%s\n",inv.name);

fprintf(fp3,":%s:",inv.name);

if(inv.qty<10)

{

fprintf(fp2,":00%d\n",inv.qty);

fprintf(fp3,"00%d:",inv.qty);

}

else if(inv.qty<100)

{

fprintf(fp2,":0%d\n",inv.qty);

fprintf(fp3,"0%d:",inv.qty);

}

else

{

fprintf(fp2,":%d\n",inv.qty);

fprintf(fp3,"%d:",inv.qty);

}

fprintf(fp1,":%f\n",inv.price);

fprintf(fp3,"%f\n",inv.price);

}

FILE \*fp4;

fp4=fopen("count.txt","w");

fprintf(fp4,"%d",c);

fclose(fp4);

fclose(fp);

fclose(fp1);

fclose(fp2);

}

void new\_customer()

{

char name[20];

int age;

FILE \*fp;

cout<<endl<<"WELCOME"<<endl;

cout<<"Enter your name"<<endl;

cin>>name;

fp=fopen(name,"w");

fprintf(fp,"NAME:%s\n",name);

cout<<"enter your age"<<endl;

cin>>age;

fprintf(fp,"AGE:%d\n",age);

fclose(fp);

}

void old\_customer()

{

int c;

char filename[20];

bool b=0;

while(!b)

{

cout<<endl<<"WELCOME AGAIN"<<endl;

cout<<"1. check your personal details"<<endl;

cout<<"2. buy from the super market"<<endl;

cout<<"3. exit"<<endl;

cin>>c;

switch(c)

{

case 1: FILE \*fp;

char ch,name[20];

cout<<endl<<"Enter your name"<<endl;

cin>>name;

fp=fopen(name,"r");

while((ch=getc(fp))!=EOF)

cout<<ch;

fclose(fp);

break;

case 2: buy();

break;

case 3: b=1;

break;

}

}

}

void customer()

{

int c;

bool b=0;

while(!b)

{

cout<<"1.New Customer"<<endl;

cout<<"2. Existing Customer"<<endl;

cout<<"3.Exit"<<endl;

cout<<"Enter your choice"<<endl;

cin>>c;

switch(c)

{

case 1: new\_customer();

break;

case 2: old\_customer();

break;

case 3: b=1;

break;

}

}

}

void inv\_page()

{

int c;

bool b=0;

while(!b)

{

cout<<endl<<endl<<"MANAGE INVENTOTARY"<<endl;

cout<<"1. Check stocks"<<endl;

cout<<"2. Add new stocks"<<endl;

cout<<"3.Exit"<<endl;

cout<<"Enter your choice.. ";

cin>>c;

switch(c)

{

case 1: check\_stocks();

break;

case 2: add\_stocks();

break;

case 3: b=1;

break;

}

}

}

void manager\_page()

{

int c;

bool b=0;

while(!b)

{

cout<<endl<<"welcome mr. manager "<<endl;

cout<<"1. Manage inventotary"<<endl;

cout<<"2.Exit"<<endl;

cout<<"enter your choice.. ";

cin>>c;

switch(c)

{

case 1: inv\_page();

break;

case 2: b=1;

break;

}

}

}

int main()

{

int c,p=0;

char id[8],pass[8];

bool b=0;

cout<<"WELCOME TO SUPERMARKET"<<endl;

while(!b)

{

cout<<"Enter as "<<endl<<"1. Manager"<<endl<<"2. Customer"<<endl<<"3.exit";

cin>>c;

switch(c)

{

case 1: while(!p)

{

cout<<endl<<"enter your id"<<endl;

cin>>id;

cout<<"enter your password"<<endl;

cin>>pass;

p=manager\_login(id,pass);

if(p=1)

manager\_page();

else

{

cout<<endl<<"sorry wrong id or password plz try again"<<endl;

}

}

break;

case 2: customer();

break;

case 3: b=1;

break;

}

}

}