#include<conio.h>

#include<stdio.h>

#include<fstream.h>

#include<string.h>

#include<process.h>

class log

{

char name[50],pass[30],email[100];

char phone[40];

public:

void newac()

{ cout<<"ENTER YOUR NAME\n";

gets(name);

cout<<"ENTER YOUR EMAIL ADDRESS\n";

gets(email);

cout<<"ENTER PHONE NUMBER WITH THE NAME OF COUNTRY(EXAMPLE:-9999999999 INDIA\n";

gets(phone);

cout<<endl;

cout<<"ENTER PASSWORD\n";

gets(pass);

char t[30];

cout<<"PLEASE RE-ENTER THE PASSWORD\n";

gets(t);

if(strcmp(t,pass)==0)

{

cout<<"THANKS FOR JOINING US\n";

getch();

}

else

{cout<<"SORRY PASSWORD MISSMATCH PLEASE REENTER\n";

newac();

}

}

void disjj()

{

cout<<"name=";

puts(name);

cout<<"email=";

puts(email);

cout<<"phone number with country=";

puts(phone);

cout<<"password=";

puts(pass);

}

char \*retname()

{

return(name);

}

char \*retpas()

{

return(pass);

}

};

void mainmenu()

{

void login();

void signin();

clrscr();

cout<<"1.SIGNIN AS NEW USER\n"

<<"2.LOGIN\n"

<<"3.EXIT\n";

int d;

cin>>d;

if(d==1)

signin();

else

if(d==2)

login();

else

if(d==3)

{

cout<<"come back soon\n";

getch();

exit(0);

}

else

{cout<<"wrong choice please reenter\n";

getch();

mainmenu();

}

}

void login()

{void c\_menu();

void admin\_menu();

clrscr();

ifstream f;

f.open("people.dat",ios::in|ios::binary);

log l;

int p=0;

char check\_n[50],check\_p[40];

cout<<"enter name\n";

gets(check\_n);

cout<<"enter password\n";

gets(check\_p);

if((strcmp(check\_n,"pawan sen")==0)&&(strcmp(check\_p,"pawanpawan")==0))

admin\_menu();

else

{

while(f.read((char\*)&l,sizeof(l)))

{if((strcmp(check\_n,l.retname())==0)&&(strcmp(check\_p,l.retpas())==0))

p++;

}

if(p==1)

c\_menu();

else

{ cout<<"no match found\n";

getch();

mainmenu();

}

}

f.close();

}

void signin()

{void c\_menu();

clrscr();

ofstream f;

f.open("people.dat",ios::app|ios::binary);

log l;

int i;

for(i=0;i<1;i++)

{

l.newac();

f.write((char\*)&l,sizeof(l));

}

f.close();

c\_menu();

}

class quiz

{

char ques[200],o1[100],o2[100],o3[100];

int ans;

int code;

public:

void question()

{

cout<<"enter question\n";

gets(ques);

cout<<"op1\n";

gets(o1);

cout<<"op2\n";

gets(o2);

cout<<"op3\n";

gets(o3);

cout<<"enter option no.\n";

cin>>ans;

cout<<"enter the question code(in 3 digits)\n";

cin>>code;

}

void may(int &attempt,int &right,int &wrong)

{

clrscr();

cout<<"question code:"<<code<<endl;

puts(ques);

cout<<"1.";

puts(o1);

cout<<"2.";

puts(o2);

cout<<"3.";

puts(o3);

int i;

cout<<"correct option\n";

attempt++;

cin>>i;

if(ans==i)

{

cout<<"good correct \n";

getch();

right++;

score(attempt,right,wrong);

}

else

{

cout<<"wrong";

getch();

wrong++;

score(attempt,right,wrong);

}

}

void score(int &attempt,int &right,int &wrong)

{

clrscr();

cout<<"questions attempted="<<attempt<<endl;

cout<<"correctly answered="<<right<<endl;

cout<<"wrong answered="<<wrong<<endl;

int g=((right\*4)-(wrong\*1));

cout<<"score="<<g;

}

void disp()

{

cout<<"question is=";

puts(ques);

cout<<"option 1:";

puts(o1);

cout<<"option 2:";

puts(o2);

cout<<"option 3:";

puts(o3);

cout<<"answer:";

cout<<ans<<endl;

cout<<"question code="<<code;

}

int qu()

{

return code;

}

};

void modify()

{ void admin\_menu();

fstream f;

f.open("ques.h",ios::app|ios::in|ios::binary);

quiz q1;

int we,k=0;

cout<<"enter the question code to be modified\n";

cin>>we;

while(f.read((char\*)&q1,sizeof(q1)))

{

if(we==q1.qu())

{

int a=f.tellp()-sizeof(q1);

f.seekp(a,ios::beg);

q1.question();

f.write((char\*)&q1,sizeof(q1));

k++;

}

}

if(k==0)

cout<<"question doesn't exist\n";

else

cout<<"question has been modified\n";

f.close();

getch();

admin\_menu();

}

void add()

{

void admin\_menu();

ofstream fo;

fo.open("ques.h",ios::app|ios::binary);

quiz q1;

int j,n;

cout<<"no. to be entered\n";

cin>>n;

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

{

q1.question();

fo.write((char\*)&q1,sizeof(q1));

cout<<endl;

}

fo.close();

cout<<"question added\n";

getch();

admin\_menu();

}

void rea1()

{ void admin\_menu();

ifstream fi;

int a=0,r=0,w=0;

fi.open("ques.h",ios::in|ios::binary);

quiz q1;

while(fi.read((char\*)&q1,sizeof(q1)))

{ q1.may(a,r,w);

getch();

}

fi.close();

admin\_menu();

}

void rea2()

{ void c\_menu();

ifstream fi;

int a=0,r=0,w=0;

fi.open("ques.h",ios::in|ios::binary);

quiz q1;

while(fi.read((char\*)&q1,sizeof(q1)))

{ q1.may(a,r,w);

getch();

}

fi.close();

c\_menu();

}

void del()

{

void admin\_menu();

ifstream i;

ofstream o;

quiz q1;

int c;

cout<<"enter question code to be deleted\n";

cin>>c;

i.open("ques.h",ios::in|ios::binary);

o.open("re.h",ios::out|ios::binary);

int k=0;

while(i.read((char\*)&q1,sizeof(q1)))

{

if(c!=q1.qu())

o.write((char\*)&q1,sizeof(q1));

k++;

}

o.close();

i.close();

remove("ques.h");

rename("re.h","ques.h");

if(k!=0)

cout<<"question has been deleted\n";

else

cout<<"question not found\n";

getch();

admin\_menu();

}

void update\_pl()

{

void c\_menu();

fstream f;

f.open("people.dat",ios::in|ios::out|ios::binary);

log l;

char ch[30];

int k=0;

cout<<"enter your password\n";

gets(ch);

while(f.read((char\*)&l,sizeof(l)))

{

if(strcmp(ch,l.retpas())==0)

{

int a=f.tellp()-sizeof(l);

f.seekp(a);

l.newac();

f.write((char\*)&l,sizeof(l));

k++;

}

}

if(k==0)

cout<<"RECORD NOT FOUND\n";

else

cout<<"MODIFIED\n";

f.close();

getch();

c\_menu();

}

void c\_menu()

{ void help();

clrscr();

cout<<"1.PLAY\n"

<<"2.UPDATE YOUR DEATILS\n"

<<"3.HELP\n"

<<"4.EXIT\n";

int g;

cin>>g;

if(g==1)

rea2();

else

if(g==3)

help();

if(g==2)

update\_pl();

else

if(g==4)

{

cout<<"come back soon\n";

getch();

exit(0);

}

else

{cout<<"wrong choice\n";

getch();

c\_menu();

}

}

void help()

{

cout<<endl<<endl<<endl;

cout<<"1.\tYOU WILL BE GIVEN QUESTIONS WITH THE CORRECT OPTIONS.\n"

<<"2.\tFOR CORRECT OPTION 4 MARKS ARE AWARDED\n"

<<"3.\tFOR WRONG ANSWER 1 MARKS WILL BE DEDUCTED\n"

<<"\tHOPE YOU ENJOYED THE GAME\n";

getch();

c\_menu();

}

void del\_pl()

{

void admin\_menu();

ifstream fi;

ofstream fo;

fi.open("people.dat",ios::in|ios::binary);

fo.open("abc.dat",ios::out|ios::binary);

log l;

char t[30];

cout<<"enter name of the player to be deleted\n";

gets(t);

int k=0;

while(fi.read((char\*)&l,sizeof(l)))

{

if(strcmp(t,l.retname())!=0)

{

fo.write((char\*)&l,sizeof(l));

k++;

}

}

fi.close();

fo.close();

remove("people.dat");

rename("abc.dat","people.dat");

if(k!=0)

{

cout<<"result not found\n";

}

else

cout<<"deleted\n";

getch();

admin\_menu();

}

void displ()

{

void admin\_menu();

ifstream f;

f.open("people.dat",ios::in|ios::binary);

log l;

int h=0,k=0;

cout<<"1.ALL PLAYERS\n";

cout<<"2.SELECTED PLAYERS\n";

cin>>h;

if(h==1)

{

while(f.read((char\*)&l,sizeof(l)))

{l.disjj();

cout<<endl;

k++;

}

getch();

f.close();

admin\_menu();

}

else

if(h==2)

{

char u[30];

cout<<"enter name of the player\n";

gets(u);

while(f.read((char\*)&l,sizeof(l)))

{if(strcmp(u,l.retname())==0)

{l.disjj();

k++;

}

}

if(k==0)

cout<<"no match found\n";

getch();

f.close();

admin\_menu();

}

}

void admin\_menu()

{

clrscr();

cout<<"1:PLAY\n"

<<"2:ADD QUESTION\n"

<<"3:MODIFY QUESTION\n"

<<"4:DISPLAY QUESTION\n"

<<"5:DELETE QUESTION\n"

<<"6:DISPLAY PLAYERS\n"

<<"7:DELETE PLAYER\n"

<<"8:EXIT\n";

quiz q1;

void dis();

int op;

cin>>op;

switch(op)

{

case 1:

{

clrscr();

rea1();

}

break;

case 2:

{ clrscr();

add();

}

break;

case 3:

{

clrscr();

modify();

break;

}

case 4:

{

clrscr();

dis();

break;

}

case 5:

{clrscr();

del();

break;

}

case 8:

{cout<<"come back soon\n";

getch();

exit(0);

}

case 6:

{

clrscr();

displ();

break;

}

case 7:

{clrscr();

del\_pl();

break;

}

default:

{cout<<"wrong option\n";

clrscr();

admin\_menu();

}

} }

void dis()

{

clrscr();

cout<<"want to see all question(a) or a single one(s)\n";

char er;

cin>>er;

if(er=='a'||er=='A')

{

clrscr();

ifstream f;

f.open("ques.h",ios::in|ios::binary);

quiz q1;

while(f.read((char\*)&q1,sizeof(q1)))

{

q1.disp();

cout<<endl<<endl;

}

f.close();

getch();

clrscr();

admin\_menu();

}

else

if(er=='s'||er=='S')

{

ifstream f;

f.open("ques.h",ios::in|ios::binary);

quiz q1;

int c;

cout<<"enter the code of question to be displayed\n";

cin>>c;

while(f.read((char\*)&q1,sizeof(q1)))

{

if(c==q1.qu())

q1.disp();

}

f.close();

X:

char i;

cout<<endl;

cout<<"want to see another question(Y/N)\n";

cin>>i;

if(i=='y'||i=='Y')

{clrscr();

dis();

}

else

if(i=='n'||i=='N')

{

clrscr();

admin\_menu();

}

else

{

cout<<"wrong choice re-enter\n";

goto X;

} }

else

{ cout<<"wrong input. please re enter\n";

getch();

dis();

}

}

void main()

{

clrscr();

cout<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<endl;

cout<<"\t\t\t\t"<<"WELCOME\n"

<<endl<<endl<<endl<<endl

<<"\t\t\t\t"<<"QUIZ........";

cout<<endl<<endl<<endl<<endl;

cout<<"\t\t\t\t"<<"MADE BY PAWAN SEN"<<endl

<<"\t\t\t\t"<<"XII-C";

getch();

clrscr();

mainmenu();

getch();

}