University Hall Management.

/\*\*\*\*\* HALL MANAGEMENT \*\*\*\*\*/

#include<iostream.h>

#include<conio.h>

#include<fstream.h>

#include<string.h>

#include<dir.h>

#include<stdlib.h>

#include<dos.h>

class hall{

protected:

int room;

char hallname[20];

public:

void gethallinfo()

{ cout<<"\n WHAT IS THE HALL NAME?\n :";

cin>>hallname;

cout<<"\n HOW MANY ROOM IN THAT HALL?\n :";

cin>>room;

}

void dishallinfo()

{ cout<<"\n HALL NAME?\n";

cout<<hallname;

cout<<"\n ROOM IN HALL:";

cout<<room<<endl;

}

};

class room:public hall

{

protected:

char roomno[4];

public:

void getroom(){cout<<"\n\n Input the room no:";

cin>>roomno;

}

};

class student:public room{

public:

char id[4];

char name[20];

void getstinfo(){

cout<<"\n Input the student name:";

cin>>name;

cout<<"\n Input the student id:";

cin>>id;

}

void disstinfo(){

cout<<"\n Student's name:"<<name;

cout<<"\n Input the student id:"<<id;

}

};

class getfile:public student

{char filename[40];

public:

void file();

};

void getfile::file()

{ class student s[3];

gethallinfo();

for(int i=0;i<room;i++)

{

getroom();

cout<<"\n Input four student informations who live in that room:-\n" ;

for(int i=0;i<4;i++)

{

s[i].getstinfo();

char la[20];

strcpy(la,s[i].id);

ofstream per(la);

per<<" ROOM NO : "<<roomno<<endl;

per<<" HALL NAME: "<<hallname<<endl;

per.close();

}

mkdir(hallname) ;

char a[50];

strcpy(a,hallname);

strcat(a,"\\");

strcat(a,roomno);

ofstream ro(a);

for(i=0;i<4;i++)

{

ro<<s[i].name<<" ";

ro<<s[i].id;

ro<<endl;

}

}

} ;

class disfile:public student

{ public:

void display();

};

void disfile:: display(){

int y;

cout<<"\n\n What do you want to search ?\n\n 1...student\n 2....room\n"

<<" Choise:";

cin>>y;

if(y==1)

{clrscr();

cout<<"\n Input the student id:" ;

char r[20],m;

cin>>r;

ifstream dd(r);

if(!dd)

cout<<"\n Error!";

else

{while(dd)

{dd.get(m);

cout<<m;

}

}

getch();

dd.close();

}

if(y==2)

{clrscr();

char hn[40], rn[5];

cout<<"\n Input the hall name:";

cin>>hn;

cout<<"\n Input the room number:";

cin>>rn;

char a[50];

strcpy(a,hn);

strcat(a,"\\");

strcat(a,rn);

ifstream ro(a);

char m;

if(!ro)

cout<<"\n Error!";

else

{cout<<"\nStudent name and id:\n";

while(ro)

{ro.get(m);

cout<<m;

}

}

getch();

ro.close();

}

}

int main()

{

textcolor(33);

textbackground(114);

clrscr();

cout<<"\n\t\t\*\*\*\*\*\*\*\* WELCOME TO THE HALL MANAGEMENT \*\*\*\*\*\*\*\* ";

delay(3000);

getfile a;

disfile d;

while(1)

{cout<<"\n\n\n 1...input\n 2...search\n 3...exit\n Choise:";

int j;

cin>>j;

if(j==1)

{a.file();

}

if(j==2)

{clrscr();

d.display();

}

if(j==3)

break;

}

return 0;

}