#include<iostream>

#include<string.h>

#include<string>

using namespace std;

//User=>fullname,username,password

class User {

string fullname;

string username;

string password;

public:

User():fullname(""),username(""),password(""){}

User(const string& f, const string& u, const string& p) {

SetFullname(f);

SetUsername(u);

SetPassword(p);

}

string GetUsername()const {

return username;

}

string GetFullname()const {

return fullname;

}

string GetPassword()const {

return password;

}

void SetFullname(const string& f) {

if (!f.empty()) {

this->fullname = f;

}

}

void SetUsername(const string& u) {

if (!u.empty()) {

this->username = u;

}

}

void SetPassword(const string& p) {

if (!p.empty() && p.size() >= 5) {

this->password = p;

}

}

void Show()const {

cout << "Fullname : " << GetFullname() << endl;

cout << "Username : " << GetUsername() << endl;

string s(password.size(), '\*');

cout << "Password : " << s << endl;

}

};

class Database {

User\*\* users;

int count = 0;

public:

bool SignUp(const User& newuser);//true : false

bool SignIn(const string& username, const string& password);

int GetCount()const {

return count;

}

User\* GetUserByUsername(const string& username) {

for (size\_t i = 0; i < count; i++)

{

if (users[i]->GetUsername() == username) {

return users[i];

}

}

return nullptr;

}

void ShowAllUsers()const {

for (size\_t i = 0; i < count; i++)

{

users[i]->Show();

}

}

~Database() {

for (size\_t i = 0; i < count; i++)

{

delete users[i];

}

delete[]users;

}

};

#include<conio.h>

void main() {

string text = "";

while (true)

{

char a = \_getch();

if (a == '\r') {

break;

}

else if (a == 8) {

cout << "\b \b";

text.pop\_back();

}

else {

cout << "\*";

text.push\_back(a);

}

}

cout << text << endl;

/\*User u("John Johnlu", "john123", "john\_22");

u.Show();\*/

//Sign In

//Sign Up

}