#include <iostream>

#include <fstream>

#include <sstream>

using namespace std;

//Login function

void login(){

string UserName,Password;

string UseEnter,PassEnter;

bool On\_Off = true;

bool Off = true;

int countt = 0;

int left = 3;

cout << "\n\*\*\*\* Login to your Account \*\*\*\* \n";

while(On\_Off){

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

fstream user;

user.open("users.txt", ios::in);

if(countt < 3 && Off && user.is\_open()){

if(countt > 0){

cout << "\nPassword or UserName are not correct!!" << endl;

left--;

cout << "You have \*" << left << "\* attempts left \n" << endl;

}

cout << "Enter UserName: ";

getline(cin,UseEnter);

cout << "Enter Password: ";

getline(cin,PassEnter);

countt++;

string read;

//====================================================\*

while(getline(user,read)){

stringstream convertor(read);

convertor >> UserName >> Password;

if(UseEnter == UserName && PassEnter == Password){

Off = false;}}

//=====================================================\*

}

else if(!Off){

cout << "\n\*\*\*\* Welcome! \*\*\*\*\n\n";

user.close();

On\_Off = false;

}

else {

cout << "\n\*\*\*\* try again later!! \*\*\*\* \n\n";

user.close();

On\_Off = false;

}

}

}

// Registry function

void registry(){

string newName,checkName,newPass,confirmPass;

int MiniPass ;

bool if\_ON = true;

bool oo = true;

cout << "\n\*\*\*\* Create New Account \*\*\*\* \n";

//UserName Validation

while(oo){

cout << "Enter New UserName: ";

getline(cin, newName);

MiniPass = newName.length();

fstream yusers;

yusers.open("Users.txt",ios::in);

if(if\_ON && MiniPass >= 1 && yusers.is\_open()){

string readd;

while(getline(yusers,readd)){

stringstream OnlyUsers(readd);

OnlyUsers >> checkName;

if(newName == checkName){

cout <<"\n\*"<< newName <<"\* UserName already exists Try another one\n" << endl;

if\_ON = false;

}

}

yusers.close();

if(!if\_ON){

if\_ON = true;

}

else{

oo = false;

}

}

}

//Password Validation

while(true){

cout << "Enter New password: ";

getline(cin,newPass);

cout << "Confirm the password: ";

getline(cin,confirmPass);

MiniPass = newPass.length();

if (MiniPass < 5){

cout << "\nYour password is weak at least 5 letters\n \n";

}

else if(confirmPass == newPass){

fstream users;

users.open("Users.txt",ios::app);

if(users.is\_open()){

users << newName +" "+ newPass << endl;

users.close();

}

cout << "\n===================================\n";

cout << "\nSuccessfully new account created! \n \n";

cout << "===================================\n";

break;}

else{

cout << "\nPassword confirmation not correct! \n" << endl;

}

}

login();

}

int main()

{

//User can choice Login or register by writing <login> or <register>

string LoR;

cout << "\n\*\*\*\*\* Login or Register \*\*\*\*\*\n\n";

cout << "===================================\n";

cout << "\n\*\*\*\*\* Please write (login) or (register) \*\*\*\*\*\n\n";

while(true){

getline(cin,LoR);

if(LoR == "login"){

login();

break;

}else if(LoR == "register"){

registry();

break;

}else{

cout << "\n\*Please write (login) or (register) correctly\*\n" ;

}

}

return 0;

}

