

# SIG PROJECT SCREENSHOTS

```
1  #include <iostream>
2  #include <fstream> // reading and writing files
3  #include <string>
4
5  using namespace std;
6
7  bool isLoggedIn()
8  {
9      string username, password;
10     string un, pw; // comparison strings
11
12     cout << "Enter a username: ";
13     cin >> username;
14     cout << "Enter a password: ";
15     cin >> password;
16
17     ifstream read(username + ".txt"); // ifstream reads a file
18     getline(read, un); // reads the username
19     getline(read, pw); // reads the password
20
21     if(un == username && pw == password) // if both un & username and pw & password are the same, true
22     {
23         return true;
24     }
25     else
26     {
27         return false;
28     }
29 }
30
```

```
31 int main()
32 {
33     int choice;
34
35     cout << endl;
36     cout << "Main Menu: " << endl;
37     cout << "-----" << endl;
38     cout << "1. Register" << endl;
39     cout << "2. Login" << endl;
40     cout << endl;
41     cout << "Your choice: ";
42     cin >> choice;
43
44     if(choice == 1)
45     {
46         string username, password;
47
48         cout << "Registration: " << endl;
49         cout << endl;
50         cout << "Select a username: ";
51         cin >> username;
52         cout << "Select a password: ";
53         cin >> password;
54
55         ofstream file; // ofstream creates a file
56         file.open(username + ".txt");
57         file << username << endl << password;
58         file.close();
59         cout << "Welcome " << username << "!" << endl;
60     }
61 }
```

```

61     else if(choice == 2) // if user chooses to login
62     {
63         bool status = isLoggedIn();
64
65         if(!status) // if isLoggedIn() returns false
66         {
67             cout << endl;
68             cout << "Invalid login!" << endl;
69             main();
70             return 0;
71         }
72         else // if isLoggedIn() returns true, the dashboard is displayed
73         {
74             cout << "Successfully logged in!" << endl;
75             cout << endl;
76
77             int choiceTwo;
78
79             // Display dashboard:
80             cout << "Welcome back!" << endl;
81             cout << endl;
82             cout << "DASHBOARD" << endl;
83             cout << "No new messages." << endl; // example of what could appear on the user's dashboard
84             cout << endl;
85             cout << "1. Sign Out" << endl;
86             cout << "2. Back to main menu" << endl;
87             cout << "Your choice: " << endl;
88             cin >> choiceTwo;
89
90             if(choiceTwo == 1)

```

```

90             if(choiceTwo == 1)
91             {
92                 system("exit"); // exits program
93             }
94             else if(choiceTwo == 2)
95             {
96                 main(); // returns to the beginning of the main() function
97             }
98             return 1;
99         }
100     }
101 }

```

# Outputs

Main Menu:

-----

1. Register
2. Login

Your choice: 2

Enter a username: Akshat

Enter a password: 3235

Invalid login!

Main Menu:

-----

1. Register
2. Login

Your choice: 1

Registration:

Select a username: Anirudh

Select a password: 1234

Welcome Anirudh!

Main Menu:

-----

1. Register
2. Login

Your choice: 2

Enter a username: Anirudh

Enter a password: 1234

Successfully logged in!

Welcome back!

DASHBOARD

No new messages.

1. Sign Out
2. Back to main menu

Your choice:

Main Menu:

-----

1. Register
2. Login

Your choice: 2

Enter a username: Anirudh

Enter a password: 1234

Successfully logged in!

Welcome back!

DASHBOARD

No new messages.

1. Sign Out
2. Back to main menu

Your choice:

1

PS D:\Sig Foundation Project> █