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How To Create Login Form In Windows Application Using C#



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116.3k



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Windows form

Windows form is used to build rich, interactive user interfaces in Windows applications.

Here I am creating a login page, the user will successfully login if user details are stored in database otherwise it will give an error message. I have used Visual Studio 2013 and sql server 2012 to build this application.

Here are the steps:

Step 1



Query for creating the table

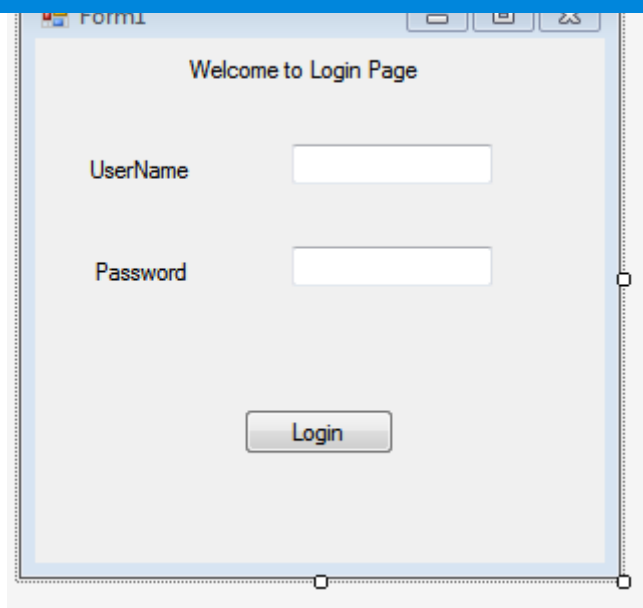
```
01. CREATE TABLE [dbo].[UserLogins](  
02. [id] [int] IDENTITY(1,1) NOT NULL,  
03. [UserName] [varchar](100) NULL,  
04. [Password] [varchar](50) NULL,  
05. CONSTRAINT [PK_UserLogins] PRIMARY KEY CLUSTERED  
06. (  
07. [id] ASC  
08. )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE  
09. ) ON [PRIMARY]
```

And then insert some values: username and password fields

Step 2

Create a Windows form application, using label, textbox and button from Toolbox .





Step 3 - on click Login button it will go in .cs file.

Here code for sql connection string and check for valid user. If log in is successful it will go to another page otherwise it will show an error message in the message box.

```
01. using System;
02. using System.Collections.Generic;
03. using System.ComponentModel;
04. using System.Data;
05. using System.Data.SqlClient;
06. using System.Drawing;
07. using System.Linq;
08. using System.Text;
09. using System.Threading.Tasks;
10. using System.Windows.Forms;
11. namespace WindowsServiceSchedulerApp {
12.     public partial class Form1: Form {
13.         public Form1() {
```

```
16.     private void label1_Click(object sender, EventArgs e) {}
17.     private void button1_Click(object sender, EventArgs e) {
18.         //Connection String
19.         SqlConnection con = new SqlConnection(@"Data Source=STL-
4110;Initial Catalog=Practice;Integrated Security=True");
20.         SqlCommand cmd = new SqlCommand("select * from Userlogins where UserName=@UserName and Password
21.         cmd.Parameters.AddWithValue("@UserName", textBox1.Text);
22.         cmd.Parameters.AddWithValue("@Password", textBox2.Text);
23.         SqlDataAdapter sda = new SqlDataAdapter(cmd);
24.         DataTable dt = new DataTable();
25.         sda.Fill(dt);
26.         //Connection open here
27.         con.Open();
28.         int i = cmd.ExecuteNonQuery();
29.         con.Close();
30.         if (dt.Rows.Count > 0) {
31.             MessageBox.Show("Successfully logged in");
32.             //after successful it will redirect to next page .
33.             WelcomePage settingsForm = new WelcomePage();
34.             settingsForm.Show();
35.         } else {
36.             MessageBox.Show("Please enter Correct Username and Password");
37.         }
38.     }
39. }
40. }
```

I have uploaded application as an attachment.

C#

Windows Application Using C#

Next Recommended Reading

[Going to Next Control by Clicking Enter or Down Key in C# Windows Forms Application](#)



**Shraddha Tripathi**

I have Done my Graduation BE (IT) with honour in 2015 form HCET Jabalpur. I have been started my career since Oct 2015. I am working in Capgemini India Pvt Ltd Mumbai

<https://www.c-sharpcorner.com/members/shraddha-tripathi2>



1814



188.5k



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This code is working but can we make this login process more secure ?

Amit Kumar Gupta

2046 17 0



0

Jul 05, 2019



1

Reply



Secure? u want to hide ur password while typing?

kunal samal

2060 3 0

Mar 20, 2021



0



Why you use executenonquery() for select statement ?

bilal javed

2034 29 0



0

Sep 08, 2018

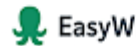


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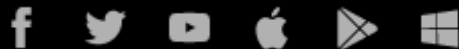
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