# [How to know user has clicked "X" or the "Close" button?](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button)

https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button

Bài tập 1 chương 2

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Vi\_Du\_3.\_3

{

public partial class Form2 : Form

{

public Form2()

{

InitializeComponent();

}

private void btnDangNhap\_Click(object sender, EventArgs e)

{

if ((this.txtUser.Text == "teonv") && (this.txtPass.Text == "123"))

this.Close();

else

{

MessageBox.Show("Không đúng tên người dùng / mật khẩu!!!" ,"Thông báo");

this.txtUser.Focus();

}

}

private void btnXoa\_Click(object sender, EventArgs e)

{

this.txtUser.Clear();

this.txtPass.Clear();

this.txtUser.Focus();

}

private void btnDung\_Click(object sender, EventArgs e)

{

DialogResult traloi;

traloi = MessageBox.Show("Chắc không?", "Trả lời",

MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (traloi == DialogResult.Yes) Application.Exit();

}

public bool ClosedByXButtonOrAltF4 { get; private set; }

private const int SC\_CLOSE = 0xF060;

private const int WM\_SYSCOMMAND = 0x0112;

protected override void WndProc(ref Message msg)

{

if (msg.Msg == WM\_SYSCOMMAND && msg.WParam.ToInt32() == SC\_CLOSE)

ClosedByXButtonOrAltF4 = true;

base.WndProc(ref msg);

}

protected override void OnShown(EventArgs e)

{

ClosedByXButtonOrAltF4 = false;

}

protected override void OnFormClosing(FormClosingEventArgs e)

{

if (ClosedByXButtonOrAltF4)

// MessageBox.Show("Closed by X or Alt+F4");

Application.Exit();

//else

// MessageBox.Show("Closed by calling Close()");

}

}//Form2

}

[How to know user has clicked "X" or the "Close" button?](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button)

https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button

In MSDN I found CloseReason.UserClosing to know that the user had decided to close the form but I guess it is the same for both clicking the X button or clicking the close button. So how can I differentiate between these two in my code?

Thanks all.

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asked Apr 21 '10 at 14:15

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[Bohn](https://stackoverflow.com/users/320724/bohn)

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* 2

which close button do you mean?

– [Brian R. Bondy](https://stackoverflow.com/users/3153/brian-r-bondy)

[Apr 21 '10 at 14:17](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment2703401_2683679)

* for example closing by "ALT+F4"

– [Bohn](https://stackoverflow.com/users/320724/bohn)

[Apr 21 '10 at 14:26](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment2703490_2683679)

* 2

Duplicate: [stackoverflow.com/questions/1623756/…](http://stackoverflow.com/questions/1623756/c-detect-reason-for-form-closing)

– [Oliver](https://stackoverflow.com/users/1838048/oliver)

[Apr 22 '10 at 6:55](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment2709689_2683679)

* @Oliver Not the same question.

– [Ctrl S](https://stackoverflow.com/users/3271649/ctrl-s)

[Mar 13 '19 at 14:30](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment97029152_2683679)

* [Detect if the Form has closed using X button/Alt+F4/System menu or using Close method](https://stackoverflow.com/a/58790227/3110834)

– [Reza Aghaei](https://stackoverflow.com/users/3110834/reza-aghaei)

[Nov 26 '19 at 4:20](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment104329267_2683679)

## **12 Answers**

[Active](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button?answertab=active#tab-top)[Oldest](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button?answertab=oldest#tab-top)[Votes](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button?answertab=votes#tab-top)

98

Assuming you're asking for WinForms, you may use the [FormClosing() event](http://msdn.microsoft.com/en-us/library/system.windows.forms.form.closing.aspx). The event FormClosing() is triggered any time a form is to get closed.

To detect if the user clicked either X or your CloseButton, you may get it through the sender object. Try to cast sender as a Button control, and verify perhaps for its name "CloseButton", for instance.

private void Form1\_FormClosing(object sender, FormClosingEventArgs e) {

if (string.Equals((sender as Button).Name, @"CloseButton"))

// Do something proper to CloseButton.

else

// Then assume that X has been clicked and act accordingly.

}

Otherwise, I have never ever needed to differentiate whether X or CloseButton was clicked, as I wanted to perform something specific on the FormClosing event, like closing all MdiChildren before closing the MDIContainerForm, or event checking for unsaved changes. Under these circumstances, we don't need, according to me, to differentiate from either buttons.

Closing by ALT+F4 will also trigger the FormClosing() event, as it sends a message to the Form that says to close. You may cancel the event by setting the

FormClosingEventArgs.Cancel = true.

In our example, this would translate to be

e.Cancel = true.

Notice the difference between the FormClosing() and the [FormClosed()](http://msdn.microsoft.com/en-us/library/system.windows.forms.form.closed.aspx) events.

FormClosing occurs when the form received the message to be closed, and verify whether it has something to do before it is closed.

FormClosed occurs when the form is actually closed, so after it is closed.

Does this help?

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[edited May 11 '16 at 10:26](https://stackoverflow.com/posts/2683716/revisions)

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[Philipp M](https://stackoverflow.com/users/463828/philipp-m)

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answered Apr 21 '10 at 14:20

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[Will Marcouiller](https://stackoverflow.com/users/162167/will-marcouiller)

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* Yes, thanks for the "Cast" idea, had used this technique with Delphi 7 but forgot to do the same in C#

– [Bohn](https://stackoverflow.com/users/320724/bohn)

[Apr 21 '10 at 14:44](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment2703651_2683716)

* 1

I get 'Object reference not set to an instance of an object' when I use this code.

– [Nate S.](https://stackoverflow.com/users/2631191/nate-s)

[Apr 20 '15 at 13:57](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment47632106_2683716)

* 38

This is wrong. You can't cast sender to button because it's the form itself. This throws exception.

– [Xtro](https://stackoverflow.com/users/2595856/xtro)

[May 6 '15 at 17:27](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment48280278_2683716)

* 2

Please note that this is an INCORRECT answer. Please do not upvote this.

– [Najeeb](https://stackoverflow.com/users/395657/najeeb)

[Apr 7 '20 at 6:06](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment108047579_2683716)

* 2

Check out the answer by user @Reza Aghaei

– [Najeeb](https://stackoverflow.com/users/395657/najeeb)

[Apr 7 '20 at 6:17](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment108047806_2683716)

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80

The CloseReason enumeration you found on MSDN is just for the purpose of checking whether the user closed the app, or it was due to a shutdown, or closed by the task manager, etc...

You can do different actions, according to the reason, like:

void Form\_FormClosing(object sender, FormClosingEventArgs e)

{

if(e.CloseReason == CloseReason.UserClosing)

// Prompt user to save his data

if(e.CloseReason == CloseReason.WindowsShutDown)

// Autosave and clear up ressources

}

But like you guessed, there is no difference between clicking the x button, or rightclicking the taskbar and clicking 'close', or pressing Alt F4, etc. It all ends up in a [CloseReason.UserClosing](http://msdn.microsoft.com/en-us/library/system.windows.forms.closereason(v=vs.110).aspx) reason.

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[edited Jul 8 '14 at 14:01](https://stackoverflow.com/posts/2683846/revisions)

answered Apr 21 '10 at 14:32

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[Philip Daubmeier](https://stackoverflow.com/users/210114/philip-daubmeier)

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* 13

Using the standard Close(); seems to trigger CloseReason.UserClosing for me. Not sure why.

– [Dan W](https://stackoverflow.com/users/848344/dan-w)

[Mar 2 '13 at 16:44](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment21377620_2683846)

* I found this useful when trying to block the closing of an MDI child form by user action on the form but not when the parent is being closed.

– [Steve Pettifer](https://stackoverflow.com/users/60602/steve-pettifer)

[Sep 16 '14 at 10:46](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment40476526_2683846)

* 1

This doesn't answer the question, only enumerate further the issue.

– [Robert Koernke](https://stackoverflow.com/users/3964383/robert-koernke)

[Sep 20 '17 at 17:19](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment79617242_2683846)

* How do you bind the event to the method?

– [user2924019](https://stackoverflow.com/users/2924019/user2924019)

[Mar 20 '19 at 22:55](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment97273831_2683846)

46

The "X" button registers as DialogResult.Cancel so another option is to evaluate the DialogResult.

If you have multiple buttons on your form, you're probably already associating different DialogResults to each and this will provide you with the means to tell the difference between each button.

(Example: btnSubmit.DialogResult = DialogResult.OK, btnClose.DialogResult = Dialogresult.Abort)

public Form1()

{

InitializeComponent();

this.FormClosing += Form1\_FormClosing;

}

/// <summary>

/// Override the Close Form event

/// Do something

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

private void Form1\_FormClosing(Object sender, FormClosingEventArgs e)

{

//In case windows is trying to shut down, don't hold the process up

if (e.CloseReason == CloseReason.WindowsShutDown) return;

if (this.DialogResult == DialogResult.Cancel)

{

// Assume that X has been clicked and act accordingly.

// Confirm user wants to close

switch (MessageBox.Show(this, "Are you sure?", "Do you still want ... ?", MessageBoxButtons.YesNo, MessageBoxIcon.Question))

{

//Stay on this form

case DialogResult.No:

e.Cancel = true;

break;

default:

break;

}

}

}

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answered Dec 1 '11 at 17:31

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* 1

In my case this is more useful than the accepted answer. Since the 'X' is assigned DialogResult.Cancel, assigning some other value to the cancel button easily distinguish them and handle things appropriately.

– [MickeyfAgain\_BeforeExitOfSO](https://stackoverflow.com/users/226555/mickeyfagain-beforeexitofso)

[Feb 7 '13 at 16:59](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment20653209_8345675)

* 3

This doesn't work in my case. When press 'X', DialogResult remains None. What could be the problem?

– [Bhaskar](https://stackoverflow.com/users/4018460/bhaskar)

[Mar 17 '15 at 12:17](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment46428010_8345675)

* 1

@Bhaskar, when you instantiate your dialog, make sure to set the appropriate DialogResult to each button in your dialog. I had provided an example above but did not create a code block to show the Dialog declaration.

– [AlexScript](https://stackoverflow.com/users/907928/alexscript)

[Apr 10 '17 at 16:51](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment73721878_8345675)

* @Bhaskar: Pressing X makes DialogResult contain Cancel, not None. Assigning None to your button is the same as not setting its .DialogResult property at all, and if you call form.Close() from your button's event handler, form.DialogResult will contain Cancel. Only assigning a value other than None or Cancel to all your form-closing buttons will allow you to make the desired distinction.

– [mklement0](https://stackoverflow.com/users/45375/mklement0)

[Nov 25 '19 at 18:45](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment104319326_8345675)

25

### **How to detect if the form closed by click on X button or by calling Close() in code?**

You cannot rely on close reason of the form closing event args, because:  
if the user click X button on title bar or  
close the form using Alt + F4 or  
use system menu to close the form or  
the form get closed by calling [Close()](https://docs.microsoft.com/en-us/dotnet/api/system.windows.forms.form.close?WT.mc_id=DT-MVP-5003235) method,

for all of above cases, the close reason will be Closed by User (CloseReason.UserClosing), which is not desired result.

To distinguish if the form closed by X button or by Close method, you can use either of the following options:

* Handle [WM\_SYSCOMMAND](https://docs.microsoft.com/en-us/windows/win32/menurc/wm-syscommand?WT.mc_id=DT-MVP-5003235) and check for SC\_CLOSE and set a flag.
* Check the [StackTrace](https://docs.microsoft.com/en-us/dotnet/api/system.diagnostics.stacktrace?WT.mc_id=DT-MVP-5003235&view=netframework-4.8) to see if any of the frames contain Close method call.

**Example 1 - Handle WM\_SYSCOMMAND**

public bool ClosedByXButtonOrAltF4 {get; private set;}

private const int SC\_CLOSE = 0xF060;

private const int WM\_SYSCOMMAND = 0x0112;

protected override void WndProc(ref Message msg)

{

if (msg.Msg == WM\_SYSCOMMAND && msg.WParam.ToInt32() == SC\_CLOSE)

ClosedByXButtonOrAltF4 = true;

base.WndProc(ref msg);

}

protected override void OnShown(EventArgs e)

{

ClosedByXButtonOrAltF4 = false;

}

protected override void OnFormClosing(FormClosingEventArgs e)

{

if (ClosedByXButtonOrAltF4)

MessageBox.Show("Closed by X or Alt+F4");

else

MessageBox.Show("Closed by calling Close()");

}

**Example 2 - Checking StackTrace**

protected override void OnFormClosing(FormClosingEventArgs e)

{

if (new StackTrace().GetFrames().Any(x => x.GetMethod().Name == "Close"))

MessageBox.Show("Closed by calling Close()");

else

MessageBox.Show("Closed by X or Alt+F4");

}

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[edited Aug 7 at 13:59](https://stackoverflow.com/posts/58790227/revisions)

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[Grace](https://stackoverflow.com/users/3279257/grace)

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answered Nov 10 '19 at 15:44

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[Reza Aghaei](https://stackoverflow.com/users/3110834/reza-aghaei)

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* 1

Nicely done. Too bad you were late to the party - hard to compete with the older, already highly up-voted answers.

– [mklement0](https://stackoverflow.com/users/45375/mklement0)

[Nov 25 '19 at 19:01](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment104319703_58790227)

* 4

@mklement0 I hope future users find it useful. I posted the answer because non of the other answer could solve the problem correctly and it's pretty strange for a question having this number of views and highly voted (non-working) answers!

– [Reza Aghaei](https://stackoverflow.com/users/3110834/reza-aghaei)

[Nov 26 '19 at 4:17](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment104329235_58790227)

* Thanks a lot. I have used StackTrace() and it solved the problem.

– [Ali Majed HA](https://stackoverflow.com/users/10095065/ali-majed-ha)

[Oct 15 '20 at 5:54](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment113816964_58790227)

* @AliMajedHA Cool!

– [Reza Aghaei](https://stackoverflow.com/users/3110834/reza-aghaei)

[Oct 15 '20 at 6:16](https://stackoverflow.com/questions/2683679/how-to-know-user-has-clicked-x-or-the-close-button#comment113817363_58790227)

8

It determines when to close the application if a form is closed (if your application is not attached to a specific form).

private void MyForm\_FormClosed(object sender, FormClosedEventArgs e)

{

if (Application.OpenForms.Count == 0) Application.Exit();

}

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answered Oct 19 '12 at 19:33

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5

I always use a Form Close method in my applications that catches alt + x from my exit Button, alt + f4 or another form closing event was initiated. All my classes have the class name defined as Private string mstrClsTitle = "grmRexcel" in this case, an Exit method that calls the Form Closing Method and a Form Closing Method. I also have a statement for the Form Closing Method - this.FormClosing = My Form Closing Form Closing method name.

The code for this:

namespace Rexcel\_II

{

public partial class frmRexcel : Form

{

private string mstrClsTitle = "frmRexcel";

public frmRexcel()

{

InitializeComponent();

this.FormClosing += frmRexcel\_FormClosing;

}

/// <summary>

/// Handles the Button Exit Event executed by the Exit Button Click

/// or Alt + x

///

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

private void btnExit\_Click(object sender, EventArgs e)

{

this.Close();

}

/// <summary>

/// Handles the Form Closing event

///

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

private void frmRexcel\_FormClosing(object sender, FormClosingEventArgs e)

{

// ---- If windows is shutting down,

// ---- I don't want to hold up the process

if (e.CloseReason == CloseReason.WindowsShutDown) return;

{

// ---- Ok, Windows is not shutting down so

// ---- either btnExit or Alt + x or Alt + f4 has been clicked or

// ---- another form closing event was intiated

// \*) Confirm user wants to close the application

switch (MessageBox.Show(this,

"Are you sure you want to close the Application?",

mstrClsTitle + ".frmRexcel\_FormClosing",

MessageBoxButtons.YesNo, MessageBoxIcon.Question))

{

// ---- \*) if No keep the application alive

//---- \*) else close the application

case DialogResult.No:

e.Cancel = true;

break;

default:

break;

}

}

}

}

}

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[edited May 14 '18 at 20:36](https://stackoverflow.com/posts/50336153/revisions)

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[Milad Rashidi](https://stackoverflow.com/users/8465774/milad-rashidi)

**1,056**44 gold badges1717 silver badges3333 bronze badges

answered May 14 '18 at 17:45

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2

You can try adding event handler from design like this: Open form in design view, open properties window or press F4, click event toolbar button to view events on Form object, find FormClosing event in Behavior group, and double click it. Reference: <https://social.msdn.microsoft.com/Forums/vstudio/en-US/9bdee708-db4b-4e46-a99c-99726fa25cfb/how-do-i-add-formclosing-event?forum=csharpgeneral>

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answered Aug 25 '16 at 15:32

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[lisa](https://stackoverflow.com/users/2896205/lisa)

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2

namespace Test

{

public partial class Member : Form

{

public Member()

{

InitializeComponent();

}

private bool xClicked = true;

private void btnClose\_Click(object sender, EventArgs e)

{

xClicked = false;

Close();

}

private void Member\_FormClosing(object sender, FormClosingEventArgs e)

{

if (xClicked)

{

// user click the X

}

else

{

// user click the close button

}

}

}

}

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answered Dec 1 '18 at 18:57

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[Dragan Menoski](https://stackoverflow.com/users/1999894/dragan-menoski)

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1

if (this.DialogResult == DialogResult.Cancel)

{

}

else

{

switch (e.CloseReason)

{

case CloseReason.UserClosing:

e.Cancel = true;

break;

}

}

if condition will execute when user clicks 'X' or close button on form. The else can be used when user clicks Alt+f4 for any other purpose

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[edited Jan 26 '12 at 22:01](https://stackoverflow.com/posts/8832299/revisions)

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answered Jan 12 '12 at 8:54

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I agree with the DialogResult-Solution as the more straight forward one.

In VB.NET however, typecast is required to get the CloseReason-Property

Private Sub MyForm\_Closing(sender As Object, e As CancelEventArgs) Handles Me.Closing

Dim eCast As System.Windows.Forms.FormClosingEventArgs

eCast = TryCast(e, System.Windows.Forms.FormClosingEventArgs)

If eCast.CloseReason = Windows.Forms.CloseReason.None Then

MsgBox("Button Pressed")

Else

MsgBox("ALT+F4 or [x] or other reason")

End If

End Sub

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answered Nov 8 '19 at 16:17

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I also had to register the closing function inside the form's "InitializeComponent()" method:

private void InitializeComponent() {

// ...

this.FormClosing += FrmMain\_FormClosing;

// ...

}

My "FormClosing" function looks similar to the given answer (<https://stackoverflow.com/a/2683846/3323790>):

private void FrmMain\_FormClosing(object sender, FormClosingEventArgs e) {

if (e.CloseReason == CloseReason.UserClosing){

MessageBox.Show("Closed by User", "UserClosing");

}

if (e.CloseReason == CloseReason.WindowsShutDown){

MessageBox.Show("Closed by Windows shutdown", "WindowsShutDown");

}

}

One more thing to mention: There is also a "FormClosed" function which occurs after "FormClosing". To use this function, register it as shown below:

this.FormClosed += MainPage\_FormClosed;

private void MainPage\_FormClosing(object sender, FormClosingEventArgs e)

{

// your code after the form is closed

}

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answered Feb 27 '20 at 8:36

[[Background pattern

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0

I've done something like this.

private void Form\_FormClosing(object sender, FormClosingEventArgs e)

{

if ((sender as Form).ActiveControl is Button)

{

//CloseButton

}

else

{

//The X has been clicked

}

}

**What do I do? NCDANH**

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**//Form1.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Vi\_Du\_3.\_3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void Form1\_Load(object sender, EventArgs e)

{

Form fr = new Form2();

fr.ShowDialog();

}

}

}

A screenshot of a computer

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**//Form2.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Vi\_Du\_3.\_3

{

public partial class Form2 : Form

{

public Form2()

{

InitializeComponent();

}

private void btnDangNhap\_Click(object sender, EventArgs e)

{

if ((this.txtUser.Text == "teonv") && (this.txtPass.Text == "123"))

this.Close();

else

{

MessageBox.Show("Không đúng tên người dùng / mật khẩu!!!" ,"Thông báo");

this.txtUser.Focus();

}

}

private void btnXoa\_Click(object sender, EventArgs e)

{

this.txtUser.Clear();

this.txtPass.Clear();

this.txtUser.Focus();

}

private void btnDung\_Click(object sender, EventArgs e)

{

DialogResult traloi;

traloi = MessageBox.Show("Chắc không?", "Trả lời",

MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (traloi == DialogResult.Yes) Application.Exit();

}

public bool ClosedByXButtonOrAltF4 { get; private set; }

private const int SC\_CLOSE = 0xF060;

private const int WM\_SYSCOMMAND = 0x0112;

protected override void WndProc(ref Message msg)

{

if (msg.Msg == WM\_SYSCOMMAND && msg.WParam.ToInt32() == SC\_CLOSE)

ClosedByXButtonOrAltF4 = true;

base.WndProc(ref msg);

}

protected override void OnShown(EventArgs e)

{

ClosedByXButtonOrAltF4 = false;

}

protected override void OnFormClosing(FormClosingEventArgs e)

{

if (ClosedByXButtonOrAltF4)

//MessageBox.Show("Closed by X or Alt+F4");

Application.Exit();

//else

// MessageBox.Show("Closed by calling Close()");

}

}//Form2

}