

Re: MessageBox in Validating cancels subsequent events

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.windowsforms.controls/2006-08/ms>

- *From:* "Kevin Spencer" <uce@xxxxxxx>
 - *Date:* Fri, 11 Aug 2006 07:11:03 -0400
-

Hi Al,

I'm a bottom-line type of guy. Here's the bottom line. Regardless of whether it's a bug or not, it's not likely to change any time soon. In the meantime, you have a job to do. So, if you think you've got a lemon, make some lemonade out of it!

--

HTH,

Kevin Spencer
Microsoft MVP
Chicken Salad Surgery

Orange you bland I stopped splaying bananas?

"Al Santino" <asantino@xxxxxxxx> wrote in message
news:u1%23zjuOvGHA.4612@xxxxxxxxxxxxxxxxxxxxxxxx

Hi Kevin,

Well it's very nice of you to give them the benefit of the doubt. It's curious, though, that the documentation doesn't shed any light on the matter. In fact, it leads one to suspect (unkindly, I know) that this behaviour is not quite orthogonal.

Al

In August of 2001, who expected the U.S. to invade Iraq?

"Kevin Spencer" <uce@xxxxxxx> wrote in message
news:corizYLvGHA.4972@xxxxxxxxxxxxxxxxxxxxxxxx

Re: Messagebox in Validating cancels subsequent events

Hi Al,

I tend to avoid the term "bug," unless behavior is not expected by the developer. I would think that Microsoft is well aware of this behavior, and does not consider it to be errant.

--

HTH,

Kevin Spencer
Microsoft MVP
Chicken Salad Surgery

Accept the Unexpected.

"Al Santino" <asantino@xxxxxxxx> wrote in message
news:OvS%23ZLKvGHA.560@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi Kevin,

Thanks for looking at it. I guess I'll give up on using the validating event and try something else. Would you say this is a bug?

Al

"Kevin Spencer" <uce@xxxxxxx> wrote in message
news:OQjqp8JvGHA.4872@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi Al,

I'm not completely sure what's happening. I tried out the code, and mixed it around a bit, and then read the documentation on the Control.Validating event. Control focus events happen in the following order:

1. Enter
2. GotFocus
3. Leave
4. Validating
5. Validated
6. LostFocus

Note that the Validating event occurs prior to the LostFocus event. So, when the Validating event occurs, the Control still has the focus. My

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guess is that because of the event handler,
the focus is not lost until
the MessageBox appears, and this causes the
second button to not
receive the Click event unless clicked a
second time.

--

HTH,

Kevin Spencer
Microsoft MVP
Chicken Salad Surgery

Accept the Unexpected.

"Al Santino" <asantino@xxxxxxxxxx>
wrote in message

[news:OB\\$yU5IvGHA.4972@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OB$yU5IvGHA.4972@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi,

It appears displaying a
messagebox in a validating
event will cancel
subsequent events. I'm
including a short program
demonstrating the
behaviour in VB and C#.

The program creates a form,
adds two buttons, a
validating handler for
button one and a click
handler for button two.
Clicking on button two
when button one has the
focus should cause button
one's validating to
fire followed by button
two's click handler.
However, button two's
click handler doesn't fire.

Can someone explain what
I'm doing wrong or suggest
a workaround?

Thanks
Al

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*** VB version:

```
Imports system
Imports
system.windows.forms
Module ValidateTest
Sub Main()
Dim frm As New Form()
Dim btn As New Button
btn.Text = "One"
btn.Parent = frm
AddHandler btn.Validating,
AddressOf BtnValidating

btn = New Button
btn.Left = btn.Width + 3
btn.Text = "Two"
btn.Parent = frm
AddHandler btn.Click,
AddressOf BtnClick

Application.Run(frm)
End Sub

Private Sub
BtnValidating(ByVal sender
As Object,
ByVal e As
System.ComponentModel.CancelEventArgs)
MessageBox.Show("BtnValidating
event")
End Sub

Private Sub BtnClick(ByVal
sender As Object, ByVal e
As
System.EventArgs)
MessageBox.Show("BtnClick
event")
End Sub
End Module
```

*** C# version:

```
using System;
using
System.Windows.Forms;

class NoClickEvent: Form
```

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```
{
[STAThread]
static void Main()
{
Application.EnableVisualStyles();
Application.Run(new
NoClickEvent());
}

public NoClickEvent()
{
Button btn = new Button();
btn.Text = "One";
btn.Parent = this;
btn.Validating +=
BtnValidating;

btn = new Button();
btn.Text = "Two";
btn.Left = btn.Width + 3;
btn.Parent = this;
btn.Click += BtnClick;
}

void BtnValidating(Object
sender,
System.ComponentModel.CancelEventArgs
e)
{
MessageBox.Show("BtnValidating
event");
}

void BtnClick(Object
sender, System.EventArgs
e)
{
MessageBox.Show("BtnClick
event");
}
}
```

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