Prevent a TreeView from firing events in VB6?

Asked 16 years, 4 months ago   Modified 15 years ago   Viewed 1k times

▲

3

▼

🔖

🕓

In some VB6 code, I have a handler for a TreeView's Collapse event:

```
Private Sub MyTree_Collapse(ByVal Node as MSComCtlLib.Node)
```

This is called whenever a node in the tree is collapsed, whether by the user or programmatically. As it turns out, through some roundabout execution, it may happen that this handler will wind up telling a node to collapse, leading to infinite recursion.

I can think of multiple ways to skin this cat, but what seems simplest to me is to tell the TreeView not to raise events for some period of time. I can't find a simple call to let me do this, though. Has anyone successfully done this, or do I need to keep track of state in some other manner so I can respond appropriately when recursive events come along?

events   vb6   treeview

Share Improve this question Follow

4 Answers

Sorted by: Highest score (default) ⬍

3

@Phil - I came to the same conclusion. My implementation of `MyTree_Collapse` now looks something like this (where `m_bHandlingCallback` is a member variable):

```vb
Private Sub MyTree_Collapse(ByVal Node as MSComCtlLib.Node)
    If m_bHandlingCallback Then Exit Sub

    m_bHandlingCallback = True
    DoSomeStuff
    m_bHandlingCallback = False
End Sub
```

Share

Improve this answer

Follow

edited Oct 2, 2008 at 1:19

answered Aug 19, 2008 at 17:56

Matt Dillard
14.9k ● 7 ● 52 ● 61

3

Another way in VB6 is to have an alternate `WithEvents` reference to the control:

```vb
Private WithEvents alt as TreeView
```

and in `Form_Load` :

```vb
Private Sub Form_Load()
Set alt = MyTree
End Sub
```
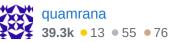
Now `alt` will receive lots of events like this:

```vb
Private Sub alt_Collapse(ByVal Node as MSComCtlLib.Node)
Set alt = Nothing
'DoSomeStuff'
Set alt = MyTree
End Sub
```

But, during the `DoSomeStuff` , the events are unhooked - which also applies to all other event `Sub` s for `alt` without the need for them to have intrusive changes.

Share Improve this answer Follow

answered Nov 28, 2009 at 19:32

quamrana
39.3k ● 13 ● 55 ● 76

1

I think that like many events in VB, it can't be switched off.

Just set a boolean flag as you've suggested.

Share Improve this answer Follow

answered Aug 19, 2008 at 2:43

Phil Bachmann
373 ● 4 ● 11

I would declare the flag variable as STATIC in the Sub. This avoids making the variable global and makes it keep its value between calls.

0

Share Improve this answer Follow

answered Sep 29, 2008 at 11:10

Guillermo Phillips
2,216 ● 1 ● 24 ● 43

2 Is a function static variable in VB shared across all instances of a class, like it is in C++? I went with member data (not global data) so that setting the flag wouldn't affect *all* instances of my class - just the one I cared about. – Matt Dillard Sep 29, 2008 at 12:04