

Re: Listbox selected line mostly just below bottom of window

Source: <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2007-11/msg01551.html>

- *From:* Joseph M. Newcomer <newcomer@xxxxxxxxxxxxx>
 - *Date:* Thu, 29 Nov 2007 04:46:36 -0500
-

You might want to look at my essay "The n habits of highly unsuccessful Windows programs" to see my favorite hot-buttons of poor programming. It's on my MVP Tips site.

While a global handle variable is extremely poor style, it is not the reason for the failure; and the `SendMessage` is ugly beyond belief, but is not the reason for the failure, and the `RedrawWindow` is completely irrelevant to the solution of the problem; you could replace it with the assignment statement

```
a = a;
```

which will be about as useful.

The reason for the failure is that you need to `SetTopIndex`, and I gave the algorithm in an earlier message.

joe

On Wed, 28 Nov 2007 23:26:18 -0800, David Deley <deleyd@xxxxxxx> wrote:

Thank you. The code is CMAC, which is a home-grown language for writing text editors in, and this code was written about a decade ago, so I'm not surprised to learn the programming methods aren't great.

Unfortunately it's my primary source of real life examples of how to do things. That and your wonderful book. I really need more documentation and real life examples of how to do it right.

-D.D.

Joseph M. Newcomer wrote:

This is an MFC forum. Therefore, I assume MFC. On the other hand, if this is in pure C,

- (a) you would not store its handle in a global variable
- (b) you would use `windowsx.h` macros, specifically, `Listbox_SetCurSel`
- (c) you would not use `RedrawWindow` to cause an update

so the same three bugs apply.

joe

On Tue, 27 Nov 2007 15:06:21 +0100, "Serge Wautier" <serge_dontusetthisaddress@xxxxxxxxxxxxxx> wrote:

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I'd rather bet the OP doesn't use MFC.

Serge.

<http://www.apptranslator.com>

"Joseph M. Newcomer" <newcomer@xxxxxxxxxxxx> wrote
in message
<news:56jnk3h2ikesb2bcqnv74t5rkre1b40d0q@xxxxxxxxxxx>

There's something very, very, very wrong
with this code. If you are
manipulating a
listbox,

- (a) you would not store its handle in a global
variable
- (b) you would not use SendMessage to make
a selection
- (c) you would not use redrawwindow to
cause an update

You would

- (a) update it only from the dialog class, and
ONLY from within the dialog
class, and
therefore its variable would be a member of
that dialog class
- (b) you would use
`c_VariableName.SetCurSel(C_LINE-1);` not
SendMessage
- (c) the second line would never, ever exist
for any reason.

Three bugs in two lines of code is not good
odds.

If line is partially displayed and you want it
to be fully displayed, one
solution is:

```
CRect r;  
c_MyListBox.GetClientRect(&r);  
while(TRUE)  
{ /* shift up */  
CRect item;  
c_MyListBox.GetItemRect(&item);  
if(item.bottom > r.bottom)
```

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```
{ /* it is off the screen */  
int n = c_MyListBox.GetTopIndex();  
c_MyListBox.SetTopIndex(n + 1);  
} /* it is off the screen */  
else  
break;  
} /* shift up */
```

There is no reason to suspect that
RedrawWindow would have anything to do
with listbox
item alignment.
joe

On Mon, 26 Nov 2007 23:52:06 -0800,
David Deley <deleyd@xxxxxxx> wrote:

I think I'm just missing a
call of some sort. I have a
listbox. Then I
sort the lines, select the line
I want and redisplay the
listbox using:

```
sendmessage(  
g_TagBrowse_HDlG,  
LB_SETCURSEL,  
C_LINE-1, 0);  
RedrawWindow( window,  
0, 0, rdw_Invalidate );
```

But sometimes my selected
line is mostly just below the
bottom of the
window. (see image
<http://members.cox.net/deleyd2/misc/listbox.gif>
)

I'm relatively new to this so
I assume the problem is I
just need to
make another call of some
sort to get the line fully in
view?

Joseph M. Newcomer [MVP]
email: newcomer@xxxxxxxxxxxxx
Web: <http://www.flounder.com>

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MVP Tips:

http://www.flounder.com/mvp_tips.htm

Joseph M. Newcomer [MVP]

email: newcomer@xxxxxxxxxxxxx

Web: <http://www.flounder.com>

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Joseph M. Newcomer [MVP]

email: newcomer@xxxxxxxxxxxxx

Web: <http://www.flounder.com>

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