

Why doesn't the TAB key work on controls I've marked as WS_TABSTOP?

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A customer had a programming problem regarding tab stops:

I create a parent window (child of main frame) as below

```
// Create the popup window that holds the toolbar.
if (!CreateEx(
    WS_EX_TOOLWINDOW | WS_EX_CONTROLPARENT | WS_EX_LAYERED,
    _T("ToolbarPopupWindow"),
    _T(""),
    WS_POPUP | WS_CLIPSIBLINGS,
    0, 0, 0, 0,
    pParentWnd->GetSafeHwnd(),
    NULL))
```

This window hosts 2 toolbar windows. Each toolbar window has the `WS_TABSTOP` style set using `SetWindowLong`.

```
// Set tab stop for accessibility
DWORD dwStyles = ::GetWindowLong(GetSafeHwnd(), GWL_STYLE);
::SetWindowLong(GetSafeHwnd(), GWL_STYLE, dwStyles | WS_TABSTOP);
```

MSDN states

WS_EX_CONTROLPARENT Allows the user to navigate among the child windows of the window by using the TAB key.

But I am not able to use TAB to navigate to second toolbar. I tried handling `WM_GETDLGCODE` and return `DLGC_WANTTAB`. But this message is not sent to parent.

I can try subclassing the toolbar to handle TAB key, but if I do that, then what's the point of the `WS_TABSTOP` and `WS_EX_CONTROLPARENT` styles?

You already know how to solve this customer's problem. The quoted documentation comes from the [MFC documentation on extended window styles](#). You may find that [the documentation in the Platform SDK](#) to be a bit better. Which is not unexpected, since

extended window styles are a Platform SDK feature; MFC is merely surfacing the underlying Win32 functionality in its own framework.

Final clue: Look at [this old blog entry](#), but come to it with a different point of view.

I used my psychic powers to solve this one. A close reading of the description of the problem reveals that the window in question is not part of a dialog box, which means that the standard dialog message loop is not active. Which means that a crucial step is missing.

| Did you remember to call `IsDialogMessage` in your message loop?

The customer confirmed that this was the missing step.

| You are right, my window is not a dialog box. Handling `IsDialogMessage` solved the issue.

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