
Subject: Why does this code hang?

Posted by [slashupp](#) on Sun, 25 Oct 2015 11:59:36 GMT

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(debian 64-bit)

Based on reply by unodgs: [#msg_36746](http://www.ultimatepp.org/forums/index.php?t=msg&th=6809&goto=36746)

The following code hangs when a tab is clicked:

```
#include <CtrlLib/CtrlLib.h>
#include <TabBar/TabBar.h> //must add package TabBar

using namespace Upp;

struct test_tabbar : public TopWindow
{
    typedef test_tabbar CLASSNAME;
    TabBar TB;
    test_tabbar();
    void ontab();
};

test_tabbar::test_tabbar()
{
    Title("test_tabbar");
    Add(TB);
    TB.HSizePosZ(0, 0).VSizePosZ(0, 0);
    TB.AddKey("one", "tab one");
    TB.AddKey("two", "tab two");
    TB.AddKey("three", "tab three");
    TB.WhenAction = THISBACK(ontab);
}

void test_tabbar::ontab()
{
    PromptOK(TB.Get(TB.GetKey(TB.GetHighlight())).ToString());
}

GUI_APP_MAIN
{
    test_tabbar().Run();
}
```

Subject: Re: Why does this code hang?

Posted by [deep](#) on Mon, 26 Oct 2015 05:28:49 GMT

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Hi Slashupp,

TB.GetHighlight() will return int.

TB.GetKey() will fail to return any value because it will expect one of the Keys you have added as input argument.

TB.GetKey(TB.GetHighlight()) -- This is giving you error.

All the keys added are Strings.

Subject: Re: Why does this code hang?

Posted by [slashupp](#) on Mon, 26 Oct 2015 07:23:12 GMT

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No, that code is correct - it works as expected, after/when the prompt is shown, the app hangs

Subject: Re: Why does this code hang?

Posted by [omari](#) on Mon, 26 Oct 2015 17:58:38 GMT

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try this:

```
void test_tabbar::ontab()
{
    if(TB.FindKey(TB.GetHighlight()) >= 0)
    {
        PromptOK(TB.Get(TB.GetKey(TB.GetHighlight())).ToString());
    }
    else
    {
        PromptOK("key Not found");
    }

    PromptOK(TB.Get(TB.GetKey(TB.GetCursor())).ToString());
}
```

Subject: Re: Why does this code hang?

Posted by [slashupp](#) on Tue, 27 Oct 2015 06:21:11 GMT

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GetHighlight() returns index into tabs stack and will not work in this case (with FindKey())

the keys i use are strings

i know they are valid when any tab is selected

the code i wrote works until the prompt is displayed and then it hangs the tty and i have to use another tty to kill the app

Subject: Re: Why does this code hang?

Posted by [omari](#) on Wed, 28 Oct 2015 10:29:20 GMT

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:blush:

your code works as expected on Win 7, without hangs.

i will test with debian at home.