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Subject: TabCtrl CancelClose No longer work (as intended)

Posted by [Lance](#) on Sun, 10 Jan 2021 18:54:58 GMT

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I recently find that because TabCtrl::Paint calls TabCtrl::PaintTab which in turn calls IsCancelClose() etc, resulting in CancelClose gate being called at unintended times, CancelClose can no longer be use to accept user input to possibly cancel an unintended close action.

To see an example, just try to compile and run Bazaar/FileTabsExample, check the circled item and move your mouse a little bit.

A few years back, I actually make use of this gate(CancelClose) to do some useful work. I am sad it's no longer working for unknown reason.

Can @mirek or @klugier possibly take some time to look into it?

Thank you!

#### File Attachments

1) [a.png](#), downloaded 429 times

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [Lance](#) on Sun, 10 Jan 2021 18:56:57 GMT

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In a reply to this post back in 2016

<https://www.ultimatepp.org/forums/index.php?t=msg&th=9667&start=0&>

I and cbpporter were able to make it work. Will no longer.

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [Klugier](#) on Sun, 10 Jan 2021 20:51:48 GMT

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Hello Lance,

I can confirm that the bug exists. What worries me is that TabBar::IsCancelClose() method that triggers CancelClose button is triggered from some strange places like MouseMove :blush:

This functionality is important even if it is not directly used by tools like TheIDE. This is some straightforward option that should work.

I will do not have much time to fix it. Maybe Mirek would try. If you have any clues or some propositions We would be grateful for. In the long-term TabBar should find the new maintainer that will fix bugs and add new functionality.

Klugier

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [Lance](#) on Sun, 10 Jan 2021 23:43:53 GMT

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Thank you for the quick feedback. It appears that code for TabBar has been modified since some time in or after 2016 to allow the tab cross not to be drawn if the page should not be closed. The change satisfy intended use case (a search for uppsrc actually shows 0 occurrence of CancelClose), but will exclude other legitimate use like in my case. The code seems to be quite complicated to touch.

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [mirek](#) on Fri, 22 Jan 2021 12:09:30 GMT

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Well, these are 2 different concepts. I have resolved the issue by adding ConfirmClose and ConfirmCloseAll Gates, as shown in refurbished reference/FileTabsExample.

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [Lance](#) on Fri, 22 Jan 2021 21:53:01 GMT

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Thank you, Mirek!

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [mdelfede](#) on Sat, 12 Feb 2022 16:13:08 GMT

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Hi Mirek,

I stumbled over the changes in TabBar (I'm using it in my UppCad) and I've seen that the bug exists also in CancelCloseSome Gate, which doesn't work anymore as intended, and it's useless like it is now.

I guess it should be possible to add a "ConfirmCloseSome" gate, as for ConfirmClose, and remove the CancelCloseSome one.

The usage should be like ConfirmClose, but taking a number of tabs and not a single one.

Ciao

Massimo

EDIT: I wanted to fix it by myself, but I see that there's a complete mixing of old and new behaviour, with mistakes in many places.

Fixing it will be difficult... by now I'll take the old TabBar code from around 2016, which worked well.

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [mirek](#) on Fri, 18 Mar 2022 10:54:56 GMT

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mdelfede wrote on Sat, 12 February 2022 17:13Hi Mirek,

I stumbled over the changes in TabBar (I'm using it in my UppCad) and I've seen that the bug exists also in CancelCloseSome Gate, which doesn't work anymore as intended, and it's useless like it is now.

I guess it should be possible to add a "ConfirmCloseSome" gate, as for ConfirmClose, and remove the CancelCloseSome one.

The usage should be like ConfirmClose, but taking a number of tabs and not a single one.

Ciao

Massimo

EDIT: I wanted to fix it by myself, but I see that there's a complete mixing of old and new behaviour, with mistakes in many places.

Fixing it will be difficult... by now I'll take the old TabBar code from around 2016, which worked well.

Well, frankly, maintaining TabBar is a punishment for me... That said, I believe current behaviour is that

"CancelClose\*" basically enables/disables cancel action and therefore should not contain any Prompts or anything. It is e.g. used for enabling/disabling close button.

"ConfirmClose" is called immediately before actually removing the tab and therefore can do Prompt.

Is this inline with your expectations?

Then the purpose of "ConfirmCloseAll" should be to e.g. prompt the operation for the whole group, right?

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Subject: Re: TabCtrl CancelClose No longer work (as intended)

Posted by [mirek](#) on Fri, 18 Mar 2022 10:59:13 GMT

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I have tried to implement that. Please check...

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