

U++ - Bug #1598

TabBar middle mouse tab close bug

01/03/2017 11:40 AM - cbpporter cbpporter

Status:	Approved	Start date:	01/03/2017
Priority:	Normal	Due date:	
Assignee:	Miroslav Fidler	% Done:	0%
Category:	IDE	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour

Description

Using the middle mouse in TabCtrl closes a tab, as expected.

But, tab closing + CancelClose is often used for prompt ("Are you sure you want to close the file?").

If the callbacks are used to prompt the user with a GUI, the mouse movements of the user will inadvertently change the highlight that TabCtrl thinks it has and the highlight will be different before the prompt and after.

Fix with comments detailing issue:

```
void TabBar::MiddleDown(Point p, dword keyflags)
{
    if (highlight >= 0)
    {
        Value v = tabs[highlight].key;
        ValueArray vv;
        vv.Add(v);
        // highlight has some value here
        int highlightBack = highlight;
        if (!CancelClose(v) && ! CancelCloseSome(vv)) {
            // highlight can be changed by the prompt. When reading "v", it can be invalid. I use the value from before the prompt to fix
            it
            Value v = tabs[highlightBack].key;
            // 2014/03/06 - FIRST the callbacks, THEN remove the tab
            // otherwise keys in WhenCloseSome() are invalid
            WhenClose(v);
            WhenCloseSome(vv);
            TabClosed(v);
            Close(highlightBack);
        }
    }
}
```

Without fix: can crash.

History

#1 - 01/25/2017 11:23 AM - Miroslav Fidler

- Status changed from New to Approved