
Subject: [bug] ArrayCtrl removing all rows upon removing only last row

Posted by [bushman](#) on Mon, 29 Jul 2013 18:51:24 GMT

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I get ALL ArrayCtrl rows removed if I try to remove ONLY the LAST row, while trying the simple procedure below:

1. Create an ArrayCtrl and populate it with rows;
2. Select LAST row;
3. Remove row via ArrayCtrl::RemoveSelection();

test case for reference:

```
#include <CtrlLib/CtrlLib.h>
```

```
using namespace Upp;
```

```
class App : public TopWindow
{
    typedef App CLASSNAME;
    ArrayCtrl array;
    Button btn;
```

```
//this will remove all ArrayCtrl rows if last row selected:
void RemoveArrSel() { array.RemoveSelection(); }
```

```
public:
App() {
    array.AddColumn("some data");
    for(int i = 1; i < 51; i++)
        array.Add(FormatIntRoman(i, true));

    SetRect(0, 0, 300, 300);
    Add(array.HSizePos().TopPos(0, 170));

    btn.SetLabel("remove selected");
    Add(btn.HCenterPos(100).BottomPos(4));
    btn.WhenAction = THISBACK(RemoveArrSel);
}
};
```

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

It works fine for all other rows, except for the last one.

Running IDE 6158 on Windows 7.

tk!

Subject: Re: [bug] ArrayCtrl removing all rows upon removing only last row

Posted by [koldo](#) on Thu, 01 Aug 2013 07:12:45 GMT

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Hello kropniczki

Without testing your code I suspect RemoveSelection() may call in any way WhenAction so RemoveArrSel() is recursively called until array is empty.

Maybe the simplest way to avoid this is to avoid recursion in RemoveArrSel(), like:

```
void RemoveArrSel() {  
    static bool inFunction;  
    if (inFunction)  
        return;  
    inFunction = true;  
    array.RemoveSelection();  
    inFunction = false;  
}
```

Although for sure there will be something smarter .

Subject: Re: [bug] ArrayCtrl removing all rows upon removing only last row

Posted by [mirek](#) on Sun, 18 Aug 2013 14:36:12 GMT

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Fixed, thanks for reporting.

Mirek
