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Subject: Re: ArrayCtrl: Edit doesn't like Option  
Posted by **Sender Ghost** on Thu, 22 Dec 2011 01:43:56 GMT  
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Hello.

While reading uppdev sources, I found ArrayOption example.

I think, it could be used here, like follows:

Toggle Spoiler

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

using namespace Upp;

class App : public TopWindow {
private:
    int toggle_count;
    LabelBase *toggle_label;
public:
    typedef App CLASSNAME;
    App();
    // Ctrl
    ArrayCtrl list;
    ArrayOption option;
    EditString text;
    // Bars
    void ArrayBar(Bar& bar);
    // Methods
    void FillWithData();
    void ToggleCount(bool value);
    void ToggleOption();
    void ToggleHeaderOption();
    // Events
    void OnHeaderClick();
    void OnOptionClick();
};

App::App() : toggle_count(0)
{
    Title("ArrayOption example");
    CenterScreen().Sizeable().MinimizeBox().MaximizeBox();
    const Size sz(320, 240);
    SetMinSize(sz); SetRect(sz);

    list.AutoHideSb();
    // Initialize ArrayOption column and assign label address
    toggle_label = &option.AddColumn(list).HeaderTab().Fixed(30).SetAlign(ALIGN_CENTER);
```

```

// Initialize ArrayCtrl column
list.AddColumn("Content", 120).Edit(text);
// Assign callbacks
list.HeaderTab(0).WhenAction = THISBACK(OnHeaderClick);
list.WhenBar = THISBACK(ArrayBar);
option.WhenAction = THISBACK(OnOptionClick);

Add(list.VSizePosZ(4, 4).HSizePosZ(4, 4));
}

// Bars
void App::ArrayBar(Bar& bar)
{
if (list.HasFocus() && list.IsCursor())
bar.AddKey(K_SPACE, THISBACK(ToggleOption));

list.StdBar(bar);
}

// Methods
void App::FillWithData()
{
GuiLock __;

list.Clear();

for (int i = 1; i <= 10; ++i)
list.Add(i % 2 == 0, FormatIntRoman(i, true));

toggle_count = 5;
ToggleHeaderOption();
}

void App::ToggleCount(bool value)
{
if (value)
++toggle_count;
else
--toggle_count;
}

void App::ToggleOption()
{
GuiLock __;

list.Set(0, !list.Get(0));
ToggleCount(list.Get(0));
ToggleHeaderOption();
}

```

```

void App::ToggleHeaderOption()
{
    static bool changed = true;

    if (toggle_count == list.GetCount()) {
        toggle_label->SetImage(CtrlImg::Get(CtrlImg::I_O1), 2);
        changed = true;
    }
    else if (changed) {
        toggle_label->SetImage(CtrlImg::Get(CtrlImg::I_O0), 2);
        changed = false;
    }
}
// Events
void App::OnHeaderClick()
{
    GuiLock __;

    bool value = true;
    const int count = list.GetCount();

    if (toggle_count == count) {
        value = false;
        toggle_count = 0;
    }
    else
        toggle_count = count;

    for (int i = 0; i < count; ++i)
        if (list.Get(i, 0) != value)
            list.Set(i, 0, value);

    ToggleHeaderOption();
}

void App::OnOptionClick()
{
    ToggleCount(list.Get(0));
    ToggleHeaderOption();

    PromptOK(String().Cat() << "{{1:2:3@L [* Index:: Option:: Content]::! "
        << list.GetCursor() << ":: " << FormatBool(list.Get(0)) << ":: " << list.Get(1) << " }}");
}

GUI_APP_MAIN
{
    Ctrl::GlobalBackPaint();
}

```

```
App app;  
app.FillWithData();  
app.Run();  
}
```

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#### File Attachments

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1) [ArrayOptionExample.png](#), downloaded 734 times

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