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

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

using namespace Upp;

class App : public TopWindow {
private:
 int toggle_count;
 LabelBase *toggle_label;
public:
 typedef App CLASSNAME;
 App();
 // Ctrls
 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);
```

```cpp
    // 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();
}
```

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

 if (toggle_count == list.GetCount()) {
  toggle_label->SetImage(CtrlsImg::Get(CtrlsImg::I_O1), 2);
  changed = true;
 }
 else if (changed) {
  toggle_label->SetImage(CtrlsImg::Get(CtrlsImg::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();
}
```

## File Attachments

1) ArrayOptionExample.png, downloaded 879 times