
Subject: Re: Problem with Drag&Drop in ArrayCtrl
Posted by [koldo](#) on Tue, 28 Jul 2009 07:49:26 GMT
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Hello Mirek

Thank you for the testcase. I have changed it to show the problem.

RefreshRow works well but Drag & Drop does not work while there are thumbnails to be loaded.

To run it put the file "c:\demo.jpg" that will be the thumbnail to be loaded.

Perhaps to do this right would I have to use multitasking ?

Best regards
Koldo

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

```
using namespace Upp;
```

```
Array <Image> imgLst;
```

```
struct TestDisplay : Display {  
    virtual void Paint(Draw& w, const Rect& r, const Value& q, Color ink, Color paper, dword style)  
    const  
    {  
        w.DrawRect(r, paper);  
        int id = q.Is<int>() ? q : -1;  
        if (id >= 0 && id < imgLst.GetCount()) {  
            Rect rect(r.left, r.top, r.left+70, r.top+70);  
            if (imgLst[id])  
                w.DrawImage(rect, imgLst[id]);  
            else  
                Display::Paint(w, r, "Image not loaded", ink, paper, style);  
        } else  
            Display::Paint(w, r, "Image not available", ink, paper, style);  
    }  
};
```

```
struct App : TopWindow {  
    ArrayCtrl a, b;  
    Splitter s;  
    TimeCallback tb;
```

```
void Timer()  
{  
    for (int i = 0; i < imgLst.GetCount(); ++i) {
```

```

if (!imgLst[i]) {
    imgLst[i] = StreamRaster::LoadFileAny("c:\\demo.jpg");
    a.RefreshRow(i);
    return;
}
}
}

```

```

void DnD(PasteClip& d)
{
    if(AcceptText(d)) {
        a.Add(GetString(d), GetString(d));
        a.SetFocus();
    }
}

```

```

void DnDInsert(int line, PasteClip& d)
{
    if(AcceptInternal<ArrayCtrl>(d, "array")) {
        a.InsertDrop(line, d);
        a.SetFocus();
    }
    if(AcceptText(d)) {
        a.Insert(line);
        a.Set(line, 0, GetString(d));
        a.SetCursor(line);
        a.SetFocus();
    }
}

```

```

void DnDInsertB(int line, PasteClip& d)
{
    if(AcceptInternal<ArrayCtrl>(d, "array")) {
        const ArrayCtrl& src = GetInternal<ArrayCtrl>(d);
        bool self = &src == &b;
        Vector< Vector<Value> > data;
        for(int i = 0; i < src.GetCount(); i++)
            if(src.IsSel(i)) {
                Value v = src.Get(i, 0);
                data.Add().Add(IsNumber(v) ? FormatIntRoman((int)src.Get(i, 0)) : String(v));
            }
        b.InsertDrop(line, data, d, self);
        b.SetFocus();
    }
}

```

```

void Drag()
{

```

```

if(a.DoDragAndDrop(InternalClip(a, "array")) == DND_MOVE)
    a.RemoveSelection();
}

void DragB()
{
    if(b.DoDragAndDrop(InternalClip(b, "array"), b.GetDragSample()) == DND_MOVE)
        b.RemoveSelection();
}

typedef App CLASSNAME;

App() {
    a.AddColumn("You can paste the text here too").SetDisplay(Single<TestDisplay>());
    a.MultiSelect();
    a.WhenDropInsert = THISBACK(DnDInsert);
    a.WhenDrop = THISBACK(DnD);
    a.WhenDrag = THISBACK(Drag);
    a.SetLineCy(70);

    b.AddColumn("Roman numbers");
    b.MultiSelect();
    b.WhenDropInsert = THISBACK(DnDInsertB);
    b.WhenDrag = THISBACK(DragB);

    Add(s.Horz(a, b));
    for(int i = 0; i < 40; i++) {
        a.Add(i);
        imgLst.Add();
        b.Add(FormatIntRoman(i, true));
    }
    Sizeable();

    tb.Set(-200, THISBACK(Timer));
}

GUI_APP_MAIN
{
    App().Run();
}

```
