Subject: DropList / DropGrid
Posted by crydev on Thu, 19 Dec 2013 08:17:46 GMT
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Hello,

I have a question about saving memory with DropList or DropGrid controls. Using the ArrayCtrl I can use an external data source with SetVirtualCount. This is fast and efficient, I love it.

However, can this be done with the controls as described above too? I'd use DropGrid because it looks very nice, but I have to know if it is possible to use an external data source. I tried SetDropLines and SetConvert but this does not seem to work properly.

I need to save my data in a Vector, and if I add the same data to my drop control, I am using unneeded memory.

Regards,
crydev

Subject: Re: DropList / DropGrid
Posted by crydev on Sun, 22 Dec 2013 22:21:09 GMT
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I have found something out myself using the code of the control. However, it still doesn't work.

this->mExecutablePages.ListObject().AddRowNumColumn("Page").SetConvert(Single<IndexBas edValueConvert<GetMemoryPageForDropList>>());
this->mExecutablePages.ListObject().SetVirtualCount(mExecutablePagesList.GetCount());

I figured that using the underlying ArrayCtrl maybe it was possible to mangle the displayed values the way I want. However, it doesn't work. Why doesn't it? Is there a way it will work?

Subject: Re: DropList / DropGrid
Posted by Sender Ghost on Wed, 25 Dec 2013 06:01:42 GMT
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Hello.

crydev wrote on Sun, 22 December 2013 23:21I figured that using the underlying ArrayCtrl maybe it was possible to mangle the displayed values the way I want. However, it doesn't work. Why doesn't it? Is there a way it will work?
It doesn't work, because PopUpTable already have added column for DropList. Moreover, the DropList uses keys for values based on Index<Value> container, which adds memory

consumption in your case.

To solve this, I created VirtualDropList class based on DropList methods and following example, which you could find in attachments:

Subject: Re: DropList / DropGrid
Posted by crydev on Wed, 25 Dec 2013 14:38:47 GMT
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Thanks a lot Sender Ghost!

This is exactly what I was looking for. I see how you made use of a SetCount method to create a virtual DropList.

Regards,
crydev

Subject: Re: DropList / DropGrid
Posted by Sender Ghost on Wed, 25 Dec 2013 21:31:21 GMT
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crydev wrote on Wed, 25 December 2013 15:38This is exactly what I was looking for. I see how you made use of a SetCount method to create a virtual DropList.
You are right, there is a need to use SetVirtualCount method of ArrayCtrl for external data. The attached archive was updated for above message.

Thanks for attention.