
Subject: Re: ArrayCtrl with enabled/Disabled columns

Posted by [mirek](#) on Fri, 05 May 2006 06:56:15 GMT

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lundman wrote on Fri, 05 May 2006 01:09I have an ArrayCtrl with 7 elements, like that of the output of

"ls":

index, name, user, group, size, date, perm

The first is an Index, and is not viewed. Next I thought it would be nice if the user could chose which fields are used. To avoid having to store which column is what in my code, I went down the route where I always add 7 elements, but turned them off or on depending on user selected options.

However, I could see no apparent way to just enable or disable a column. (is that the case? HeaderObject().HideTab(int) did nothing for me).

So, instead I went down the road where I either AddColumn(), or AddIndex() based on whether or not it is enabled.

This appears to work ok, except when I call .Reset() and re-add the Columns/Indeces. I lose the User set Width.

It would appear that I have a ColumnsWidths(char *) function to set them, but I am unsure how to get what they are. HeaderObject().GetTabWidth() seems to give me the default/initial width, not the current width.

On the other hand, Serialize() appears to work fine, but it works with streams. But perhaps that is the proper path? (Do I really need to open a stream just to save the widths?)

Well, first of (but I guess you have already realized that), there is one important thing about ArrayCtrl and columns - mapping "indexes" (well, cells in line, "logical" columns) to table columns does not need to be 1:1. Some indexes do not need to be mapped at all, some columns do not have to be mapped to index (but rather be fed with line index), some columns can be mapped to more than single index. To make it more fun, some indexes (or group of indexes or line index) can even be mapped to other widgets in the window (well, this U++, so not necessarily in the same window...).

Now, HeaderObject().HideTab SHOULD work. At least, this works:

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

```
void HideTab(ArrayCtrl *x)
```

```
{  
  x->HeaderObject().HideTab(1);  
}
```

GUI_APP_MAIN

```
{  
  ArrayCtrl a;  
  a.AddColumn("Column");  
  a.AddColumn("Click to hide").HeaderTab().WhenAction = callback1(HideTab, &a);  
  for(int i = 0; i < 100; i++)  
    a.Add(i, i);  
  TopWindow app;  
  app << a.SizePos();  
  app.Run();  
}
```

ColumnWidths is a special function to work together with "Ctrl-Click" trick. As it is quite annoying to guess initial values for ArrayCtrl header, when you are in debug mode, you can setup widths as you want them, then Ctrl-Click the header with mouse and special, debug-version only, code inside HeaderCtrl will put ColumnWidths call code to clipboard that you can then insert into your C++ code to get the same widths. Maybe a little bit hacky, but effective...

However, as this operation itself and Serialize too use GetTabWidth (and work , there is most likely other problem in your code...

Mirek
