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Subject: Row numbering inconsistency

Posted by [nixnixnix](#) on Sat, 03 Nov 2007 14:33:31 GMT

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Hi Daniel,

I am looking to be able to make an interface in which users can effectively edit their column headers so I am intending to hide the real column headers and create a zero row which looks like a column header but is editable.

I noticed that `GridCtrl::HideRow(0)` hides the column headers which is great but that `GridCtrl.GetRow(1).SetFont(StdFont().Bold())` changes the 2nd row to bold and this is what I would expect as the `GridCtrl` contents are addressed from a zero index. However, this means that `HideRow` and `GetRow` are working with different numbering systems. What say you? I know that I can easily work around this and I will but shouldn't the numbering be consistent? I suggest a separate function to hide the column headers.

Also, now you know what I'm trying to do, is there a better way please? Ideally I would have real editable column headers with their own edit controls as this would allow me to sort the contents still using your sort rather than having to write my own. Plus, I'm not sure how to get my fake column headers to look like your swanky ones

Nick

p.s. on second thoughts fixing this would break lots of people's code so maybe its not worth it. I've noticed though that there are other functions which refer to the headers as the zeroth row such as `SetFixed()` and so on. Perhaps the headers could be the -1 row?

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Subject: Re: Row numbering inconsistency

Posted by [unodgs](#) on Mon, 05 Nov 2007 21:50:49 GMT

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Quote: I am looking to be able to make an interface in which users can effectively edit their column headers so I am intending to hide the real column headers and create a zero row which looks like a column header but is editable.

Well, it's very uncommon. It would be uneasy now to allow `gridctrl` to do that. However your trick is interesting

Quote: I noticed that `GridCtrl::HideRow(0)` hides the column headers which is great but that `GridCtrl.GetRow(1).SetFont(StdFont().Bold())` changes the 2nd row to bold and this is what I would expect as the `GridCtrl` contents are addressed from a zero index. However, this means that `HideRow` and `GetRow` are working with different numbering systems. What say you? I know that I can easily work around this and I will but shouldn't the numbering be consistent? I suggest a separate function to hide the column headers.

Yes, you're right. I should provide `HideFixedRow` and make `fixed_row` based index in `HideRow`. I'll

add it to my to-do list.

Sometimes I add method only to internal grid use (which use 0 based indexing), but later I need it in the outside world (like in DropGrid) and I modify access level forgetting at the same time to fix numbering issues. That's the whole story

Quote:Also, now you know what I'm trying to do, is there a better way please? Ideally I would have real editable column headers with their own edit controls as this would allow me to sort the contents still using your sort rather than having to write my own. Plus, I'm not sure how to get my fake column headers to look like your swanky ones

No, there is no better way right now. At least I can't see it. To make an ordinary row look like the fixed one provide your own display (based on GridDisplay of course) and in Paint just call PaintFixed..

Quote:p.s. on second thoughts fixing this would break lots of people's code so maybe its not worth it. I've noticed though that there are other functions which refer to the headers as the zeroth row such as SetFixed() and so on. Perhaps the headers could be the -1 row?

Negative indexing is not a good idea. It's very troublesome and unintuitive IMO. I prefer to add fixed equivalents like Set and SetFixed.

I plan to refactor a lot of current Grid soon so I'll try to make uncommon things much easier to implement (new Grid will be much more flexible (in terms of API)). So please report your needs

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