
Subject: Some petitions for GridCtrl

Posted by [koldo](#) on Tue, 29 Jun 2010 09:11:31 GMT

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Hello Uno

I have some petitions to be implemented in GridCtrl.
If they are already implemented please tell me how to do it:

1. A kind of FindColumn function

Giving a column name, it returns its column index.

It could be like this:

```
int GridCtrl_FindColumn(GridCtrl &grid, String &colName) {
    for (int i = 0; i < grid.GetColumnCount(); ++i) {
        if (grid.GetColumnName(i) == colName)
            return i;
    }
    return -1;
}
```

2. Copy to Clipboard including column names row

At least an option to let this copy to clipboard behavior.

This way when copying a grid to an spreadsheet the column names would appear.

3. A kind of ReadCol function

A function to read a column (or part of it)

It could be like this:

```
Vector<Value> ReadCol(GridCtrl& grid, int col, int begin, int end)
{
    if (begin < 0 || end >= grid.GetRowCount() || col < 0 || col >= grid.GetColumnCount())
        throw Exc(t_("Wrong param. in ReadCol"));
}
```

```
Vector<Value> v;
```

```
for(int i = begin; i <= end; i++)
    v.Add(grid(i, col));
return v;
}
```

4. A kind of GetGridData/SetGridData functions

Some functions to set GridCtrl data to a Vector<Vector<Value> > and the opposite.

They could be like this:

```
Vector<Vector<Value> > GetGridData(GridCtrl& grid) {
    Vector<Vector<Value> > data;
```

```

for (int row = 0; row < grid.GetRowCount()+1; ++row)
    data.Add(grid.ReadRow(row));

return data;
}
void SetGridData(GridCtrl& grid, Vector<Vector<Value> > &data) {
    grid.Clear(true);
    if (!data.IsEmpty()) {
        int nrow = data.GetCount();
        int ncol = data[0].GetCount();
        for (int col = 0; col < data[0].GetCount(); ++col)
            grid.AddColumn(data[0][col]);
        grid.SetRowCount(data.GetCount()-1);
        for (int row = 0; row < grid.GetRowCount(); ++row)
            for (int col = 0; col < grid.GetColumnCount(); ++col)
                grid(row, col) = data[row+1][col];
    }
}

```

5. Xmlize

A simple implementation could be like this

```

template <> void Xmlize(XmlIO xml, GridCtrl& r) {
    Vector<Vector<Value> > data;

    if(xml.IsLoading()) {
        xml("data", data);
        SetGridData(r, data);
    } else {
        data = GetGridData(r);
        xml("data", data);
    }
}

```

Subject: Re: Some petitions for GridCtrl
 Posted by [unodgs](#) on Thu, 01 Jul 2010 12:35:20 GMT
[View Forum Message](#) <> [Reply to Message](#)

koldo wrote on Tue, 29 June 2010 05:11Hello Uno

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There is only FindCol(int id). I've never needed searching by column name that's why such method doesn't exist

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I will modify SetClipboard method to do that

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There's only ReadRow. I agree having ReadCol would be useful too

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        for (int col = 0; col < grid.GetColumnCount(); ++col)
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I'm not sure if these methods should be part of grid api. I'll think about that.

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        xml("data", data);
    }
}

```

Yes, easy loading/saving from/to xml would be nice.

I'll try to add most of requested functionality in a few days.

Subject: Re: Some petitions for GridCtrl

Posted by [koldo](#) on Tue, 06 Jul 2010 18:37:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

unodgs wrote on Thu, 01 July 2010 14:35koldo wrote on Tue, 29 June 2010 05:11Hello Uno

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There's only ReadRow. I agree having ReadCol would be useful too

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        data.Add(grid.ReadRow(row));

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}
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```

```

grid.Clear(true);
if (!data.IsEmpty()) {
    int nrow = data.GetCount();
    int ncol = data[0].GetCount();
    for (int col = 0; col < data[0].GetCount(); ++col)
        grid.AddColumn(data[0][col]);
    grid.SetRowCount(data.GetCount()-1);
    for (int row = 0; row < grid.GetRowCount(); ++row)
        for (int col = 0; col < grid.GetColumnCount(); ++col)
            grid(row, col) = data[row+1][col];
}
}

```

I'm not sure if these methods should be part of grid api. I'll think about that.

Quote:

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```

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```

Yes, easy loading/saving from/to xml would be nice.

I'll try to add most of requested functionality in a few days.

Thank you

Subject: Add a control into the GridCtrl
 Posted by [ratah](#) on Fri, 16 Jul 2010 07:37:17 GMT
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Hy,

I'd like to add a question about Grid control like this

without success (no error in compilation but the exe doesn't run!!)

```
grid.AddColumn("Date", w3);
grid.AddColumn("Montant", w4);
```

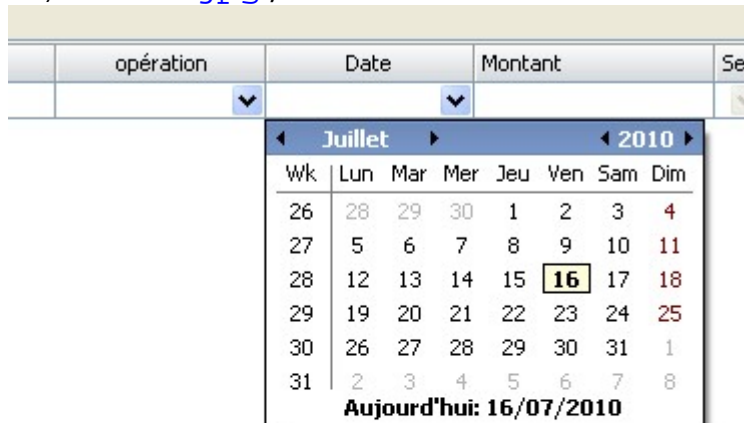
```
grid.AddRow(1);
```

```
grid.GetCtrl(0,2)->Add(dropDate);
```

Thank you for your responses

File Attachments

1) [GRID.jpg](#), downloaded 1214 times



Subject: Re: Add a control into the GridCtrl
 Posted by [unodgs](#) on Sun, 18 Jul 2010 21:12:07 GMT
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You can't assign control to particular cell. You can assign it to the column like this:

```
DropDate date;
GridCtrl grid;
```

```
grid.AddColumn("Date").Edit(date);
```

Subject: Re: Some petitions for GridCtrl
Posted by [unodgs](#) on Sun, 18 Jul 2010 22:51:40 GMT
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Please check latest svn code. It all should be there. Please give me a sign if something isn't working as you expected or you found a bug (I haven't tested this code too much).

Subject: Re: Some petitions for GridCtrl
Posted by [ratah](#) on Mon, 19 Jul 2010 07:26:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thank you for your response,
Quote:You can assign it to the column like this:
`grid.AddColumn("Date").Edit(date);`

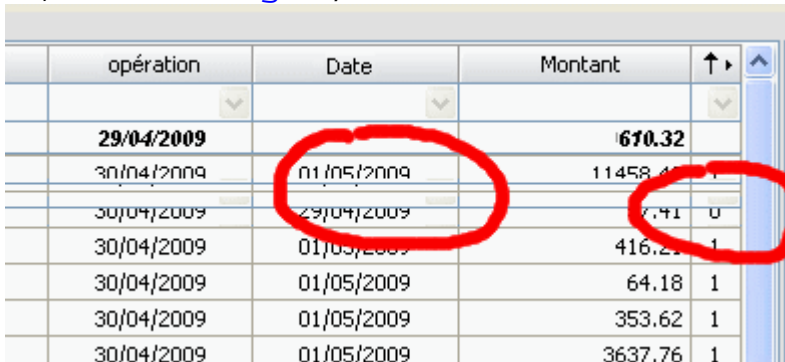
I need it on a line like a header where i apply filter (by date, an autocompletion into a editString, sort by code,...).

I tried to use an easy way by superposing my controls juste under the header and it have another bug: it does not refresh drawing as well when i scroll vertically.

(Sorry for my english, i 'am french speaker!!)

File Attachments

1) [refresh.gif](#), downloaded 1293 times



The screenshot shows a data grid with columns for 'opération', 'Date', and 'Montant'. The grid contains several rows of data. Two red circles are drawn around the 'Date' column cells for the rows with dates '01/05/2009' and '29/04/2009'. The 'Montant' column cell for the row with date '29/04/2009' also has a red circle around it.

| opération | Date | Montant | ↑ | ▲ |
|------------|------------|---------|---|---|
| 29/04/2009 | | 670.32 | | |
| 30/04/2009 | 01/05/2009 | 11458.4 | | |
| 30/04/2009 | 29/04/2009 | 7.41 | 0 | |
| 30/04/2009 | 01/05/2009 | 416.2 | 1 | |
| 30/04/2009 | 01/05/2009 | 64.18 | 1 | |
| 30/04/2009 | 01/05/2009 | 353.62 | 1 | |
| 30/04/2009 | 01/05/2009 | 3637.76 | 1 | |

Subject: Re: Some petitions for GridCtrl
Posted by [ratah](#) on Mon, 19 Jul 2010 07:28:40 GMT
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I use the last release 2467 (windows version of ultimate++)

Subject: Re: Some petitions for GridCtrl
Posted by [koldo](#) on Mon, 19 Jul 2010 20:53:29 GMT
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unodgs wrote on Mon, 19 July 2010 00:51 Please check latest svn code. It all should be there. Please give me a sign if something isn't working as you expected or you found a bug (I haven't tested this code too much).
Hello Daniel

Thank you. I will test it.

Subject: Re: Some petitions for GridCtrl
Posted by [unodgs](#) on Mon, 19 Jul 2010 22:03:58 GMT
[View Forum Message](#) <> [Reply to Message](#)

ratah wrote on Mon, 19 July 2010 03:26 Thank you for your response,
Quote: You can assign it to the column like this:
`grid.AddColumn("Date").Edit(date);`

I need it on a line like a header where i apply filter (by date, an autocompletion into a editString, sort by code,...).

I tried to use an easy way by superposing my controls juste under the header and it have another bug: it does not refresh drawing as well when i scroll vertically.

(Sorry for my english, i 'am french speaker!!)

Could you attach your code if it's not a problem?

Subject: Re: Some petitions for GridCtrl
Posted by [ratah](#) on Wed, 21 Jul 2010 12:00:36 GMT
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my code project has been sent to you in private message!
Thank you

Subject: Re: Some petitions for GridCtrl
Posted by [koldo](#) on Mon, 26 Jul 2010 15:42:19 GMT
[View Forum Message](#) <> [Reply to Message](#)

koldo wrote on Mon, 19 July 2010 22:53 unodgs wrote on Mon, 19 July 2010 00:51 Please check latest svn code. It all should be there. Please give me a sign if something isn't working as you expected or you found a bug (I haven't tested this code too much).

Hello Daniel

Thank you. I will test it.

Hello Daniel

I have tested the functions and for me are ok, but some details in ReadCol() that I think are not natural, as now:

- the first grid column is the #1 instead of the 0#
- the row 0# is the header so the first data row is the row #1
- end_row is copied or not to the Vector?

Please post in the Forum as usual if you change something as this affects to production code.

Subject: Re: Some petitions for GridCtrl

Posted by [unodgs](#) on Wed, 28 Jul 2010 22:01:07 GMT

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koldo wrote on Mon, 26 July 2010 11:42- the first grid column is the #1 instead of the 0#

- the row 0# is the header so the first data row is the row #1

Should be fixed now.

Quote:

- end_row is copied or not to the Vector?

yes, it's copied

Subject: Re: Some petitions for GridCtrl

Posted by [koldo](#) on Thu, 29 Jul 2010 06:47:58 GMT

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Thank you !

Tested ok!

Subject: Re: Some petitions for GridCtrl

Posted by [sevenjay](#) on Fri, 24 Sep 2010 11:21:52 GMT

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Hi,

I have the other petition.

It's like koldo's first one.

Giving a column Id, it returns its column index.

It's convenient for me because my column names sometimes change.

I write this:

```
int GridCtrl::FindCol(const Id& id) const
{
    for(int i = fixed_cols; i < total_cols; i++)
        if(aliases.GetKey(i) == id)
            return i - fixed_cols;
    return -1;
}
hope this useful
```

Subject: Re: Some petitions for GridCtrl

Posted by [sevenjay](#) on Sun, 26 Sep 2010 02:18:36 GMT

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more one, i need to record the width of each column.

Find the width by Id:

```
int GridCtrl::FindColWidth(const Id& id)
{
    for(int i = fixed_cols; i < total_cols; i++)
        if(aliases.GetKey(i) == id)
            return hitems[i].Width();

    return -1;
}
```

And there is a little bug for column Hidden().

when column Hidden(false) will be hidden.

Modify in GridBase.cpp:

```
GridCtrl::ItemRect& GridCtrl::ItemRect::Hidden(bool b)
{
    hidden = b;
    if(hidden) size = 0;//modify this to avoid always hidden
    return *this;
}
```

BTW, GridCtrl is a very great control.

Thank you all.

Subject: Re: Some petitions for GridCtrl

Posted by [unodgs](#) on Mon, 27 Sep 2010 17:06:33 GMT

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Thanks! Hidden fixed, FindCol added (FindColWidth is too specific)

Subject: Re: Some petitions for GridCtrl
Posted by [koldo](#) on Thu, 30 Sep 2010 08:52:25 GMT
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Hello unodgs

I have found that you have included CopyColumnNames() function to copy column names to the Clipboard (I have discovered it when I was going to implement it by myself).

Have you included more things?

Subject: Re: Some petitions for GridCtrl
Posted by [AnnabelleR](#) on Thu, 02 Dec 2010 12:51:38 GMT
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I tried it and it is working ok.
Thanks for the information.
