
Subject: Some petitions for GridCtrl

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

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

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 05:11 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;
}

```

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

Quote:

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.

I will modify SetClipboard method to do that

Quote:

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;
}

```

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

Quote:

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];
}
}

```

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

Quote:

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);
    }
}

```

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

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;
}

```

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

Quote:

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.

I will modify SetClipboard method to do that

Quote:

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;
}

```

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

Quote:

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];
}
}

```

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

Quote:

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);
    }
}

```

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

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);
```

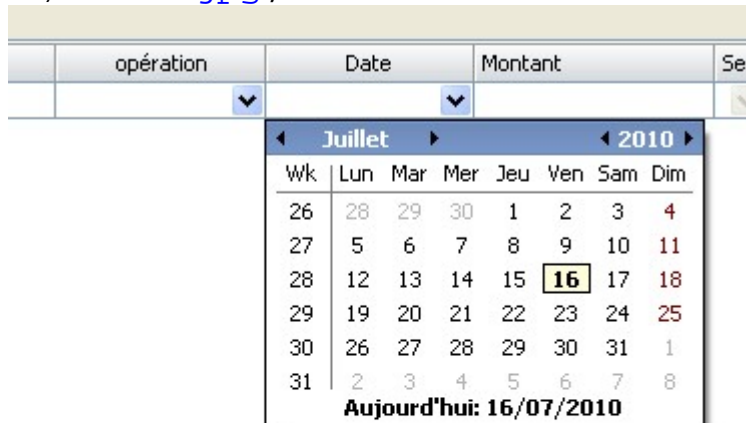
```
grid.AddRow(1);
```

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

Thank you for your responses

File Attachments

1) [GRID.jpg](#), downloaded 1216 times



Subject: Re: Add a control into the GridCtrl
 Posted by [unodgs](#) on Sun, 18 Jul 2010 21:12:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

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

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);`

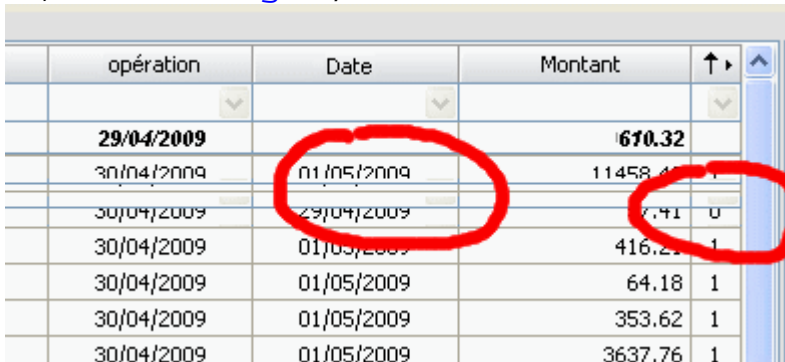
I need it on a line like a header where i apply filter (by date, an autocompletion into a editString, sort by code,...).

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 1295 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 in the second and third rows, and another red circle is drawn around the 'Montant' column cell in the third row.

opération	Date	Montant	↑	↓
29/04/2009	01/05/2009	670.32		
30/04/2009	01/05/2009	11458.41		
30/04/2009	29/04/2009	7.41	0	
30/04/2009	01/05/2009	416.21	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
[View Forum Message](#) <> [Reply to Message](#)

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

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

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

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

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

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

Thank you !

Tested ok!

Subject: Re: Some petitions for GridCtrl

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

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

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

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

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

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

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

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

I tried it and it is working ok.
Thanks for the information.
