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 05:11Hello 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.

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 1784 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);

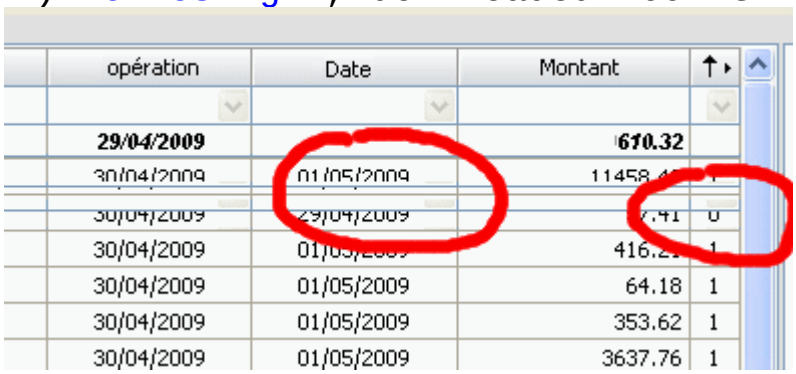
I need it on a line like a header where i apply filter (by date, an autocompletion into a editString, sort by code,...).

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 1607 times



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 00:51Please 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 03:26Thank 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 22:53unodgs wrote on Mon, 19 July 2010 00:51Please 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 alway 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.