Subject: SqlArray::SetDistinct()
Posted by Novo on Wed, 27 Dec 2006 22:45:10 GMT
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I'd like to propose to add method SetDistinct() to SqlArray.

It can be easily implemented.

```
private:
 bool       distinct;

public:
 SqlArray& SetDistinct(bool flag = true) { distinct = flag; return *this; }
```

Fixes for SqlArray::AppendQuery().

```
SqlSet select_cols;
select_cols = (distinct ? Distinct(cols) : cols);
if(IsNull(count))
   sql *  ::Select(select_cols).From(table).Where(wh).OrderBy(orderby) ;
else
   sql *  ::Select(select_cols).From(table).Where(wh).OrderBy(orderby) .Limit(count).Offset(offset);
```

Actually, it is a little bit inconvenient to have an SQL statement incorporated into SqlArray. It limits you by letting to use only one table and forces to reimplement all SQL-building API.

I hope I'm not very boring.

Subject: Re: SqlArray::SetDistinct()
Posted by mirek on Wed, 27 Dec 2006 22:52:28 GMT
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Novo wrote on Wed, 27 December 2006 17:45I'd like to propose to add method SetDistinct() to SqlArray.

Actually, it is a little bit inconvenient to have an SQL statement incorporated into SqlArray. It limits you by letting to use only one table and forces to reimplement all SQL-building API.

Exactly. That is why it is often better to use plain ArrayCtrl

In other words, SqlArray is designed to allow editing data. Distinct breaks this. If you need distinct,

you most likely do not want to use SqlArray in the first place.

Using ArrayCtrl for SQL is trivial and very common in SQL apps. Note that you can even use ArrayCtrl as "master" and bind SqlArrays as details.

Mirek

Subject: Re: SqlArray::SetDistinct()
Posted by Novo on Sun, 31 Dec 2006 04:19:14 GMT
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Thank you!

I got the idea. Just two remarks:

to a WHERE part. DISTINCT breaks master-detail relationship.

2) Instead of building an SQL statement in place you can analyze an already build statement and retrieve a list of columns to select and a FROM part. You already have a tree, which represents an SQL statement. You do not have to parse anything. You are a lucky man!

Happy New Year !!!

Subject: Re: SqlArray::SetDistinct()
Posted by mirek on Sun, 31 Dec 2006 08:23:28 GMT
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Novo wrote on Sat, 30 December 2006 23:19Thank you!

I got the idea. Just two remarks:

DISTINCT to a WHERE part. DISTINCT breaks master-detail relationship.

I guess you are right. Anyway, IME distinct is useful for selecting single column only, correct? I just somehow fail to see scenario / data model where distinct would be useful with SqlArray. OTOH, it is true that I have mostly self-learned most of data model design (Means: I am quite interested about the real world example of distinct with SqlArray).

Quote:
You already have a tree, which represents an SQL statement. You do not have to parse anything.

Well, in fact, I do not have a tree, I considered that too expensive.

Mirek
