Subject: Issue with sql.execute(const String&)
Posted by BioBytes on Tue, 31 Aug 2010 20:20:25 GMT
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Hi all,

I have a question regarding the command sql.Execute. This is an example from my source code. the query works perfectly if the query is passed as below:

if(sql.Execute("select * from codetechnic where(codefamille='cat' and product='hemoglobin')")PromptOK("query is executed");

In case the query is built using parameters obtained from droplists controls as follows:

```
String query;

query<<"select * from codetechnic where(codefamille=";
query<<"'";
query<<mydroplist1.GetData().ToString();
query<<"'";
query<<" and product=";
query<<"'";
query<<mydroplist2.GetData().ToString();
query<<"'";
query<<")";
```

The expression if(sql.execute(query))returns false (????) and true as above.

Is anybody could explain to me how to pass runtime query ?

thank you for your help

regards
Biobytes

Subject: Re: Issue with sql.execute(const String&)
Posted by zsolt on Wed, 01 Sep 2010 19:27:11 GMT
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It is a better practice to use SqlExp, even if you don't have a schema file.

It is very easy to do SQL syntax errors if you don't use a helper like SqlExp

```
sql * Select(SqlAll())
  .From(SqlId("codetechnic"))
  .Where(SqlId("codefamille") == ~mydroplist1 && SqlId("product") == ~mydroplist2);
```
I didn't check if it is syntactically correct, but I hope so.

And this will guard you against sql-injection bugs.

Subject: Re: Issue with sql.execute(const String&)
Posted by BioBytes on Thu, 02 Sep 2010 19:38:23 GMT
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Thank you very much for your reply. Your code is ok. My problem is that it is not possible to build the query as shown in the attached file. In my project, the user can select different parameters to include dynamically the query by checking option boxes and selecting the wanted specific data in the droplist associated with the box.

Therefore I reviewed my code to test every combination to build the corresponding sql query as shown in the attached file but it is a bit complicated.

I also used Code::Blocks with wxWidgets and DatabaseLayer libs and the sql query can be build in runtime as follows:

```
wxString query;
wxListBox *lb1;
wxListBox *lb2;

query.Append(_T("Select * from codetechnic where code famille="));
query.Append(_T("'"));
query.Append(lb1->GetStringSelection());
query.Append(_T("'"));
query.Append(_T(" and codeproduit="));
query.Append(_T("'"));
query.Append(lb2->GetStringSelection());
query.Append(_T("'"));

DataResultSet *res=dbLayer->RunQueryWithResults(query);

while(res->Next())
{
  .....
}
```

This code works perfectly. I would like to do the same with U++.

Thank you for helping me

Kind regards
Biobytes

Subject: Re: Issue with sql.execute(const String&)
Posted by zsolt on Thu, 02 Sep 2010 21:07:27 GMT
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Put a breakpount there or do a log and check the content of the string or the error message from the SQL backend.

Sorry but I have no exlerience with queries like that, since I use U++.

I create dynamic queries with SqlExp.

```
SqlBool where = (SOMEFIELD == some_value);
if(!(~some_ctrl).IsNull){
  where = where && OTHERFIELD = ~some_ctrl;
}
if(!(~find).IsNull){
  String s = ~find;
  s << '%';
  where = where && Like(THIRDFIELD, s);
}
sql * Select(SqlAll())
  .From(SOMETABLE)
  .Where(where);
```

Subject: Re: Issue with sql.execute(const String&)
Posted by BioBytes on Sat, 04 Sep 2010 17:07:09 GMT
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Dear Zsolt,

Thank you very much for your support and smart help. I now understand how to build dynamic queries using Sqlexp with U++. This approach is very new for me and completely different from CB and wxWidgets/DatabaseLayer.

This topic could be now considered closed.

Thanks again

Have a nice week-end

Kind regards

Biobytes