Subject: MySQL and Sql class issue
Posted by dmcgeoch on Wed, 06 Dec 2006 14:10:17 GMT
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Hello,

Has anyone tried to use MySql with the Sql class? I'm looking for an example similiar to the example for Sqlite.

Thanks,

Dave

Subject: Re: MySQL and Sql class issue
Posted by mezise on Wed, 06 Dec 2006 15:53:10 GMT
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Yes, try 'SQL_MySql' package in 'reference' assembly (TheIDE dev version).

To compile:
1. You need mysql libs (while installing mysql under Windows just check dev files option)

2. TheIDE menu: Setup/Build methods../ - set correct paths to bin, include and lib directories.

3. If you compile using free MSC71 in Debug mode and have error about lacking file 'libcpmtd.lib' change method e.g. to Optimal.

Good luck!

Michal

Subject: Re: MySQL and Sql class issue
Posted by dmcgeoch on Wed, 06 Dec 2006 18:03:54 GMT
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Hello,

The SQL_MySql app performs all of its operations as part of main. What I am trying to do is access various SQL actions (insert, update, delete, select), from withing functions that are part of the main window class. I believe that i could simply use the "Execute" function, but I would prefer to use the functions in the Sql class.

As a side note, I am trying to use a schema file similiar to the one in the SQL_Sqlite3 example, however it doesn't seem to create the table or, if I create the table independantly, update the

records in the table.

Thanks,

Dave

Subject: Re: MySQL and Sql class issue
Posted by mirek on Wed, 06 Dec 2006 18:24:45 GMT
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Well, I guess the trick you need to know is the existence of "global SQL session/cursor".

It is represented by that "SQL" in examples. Once you assign anything to it, all Sql cursor will by default be assigned to this session. Of course, this works well only as long as your app uses just single database (but that is 90% cases).

Moreover, you also use this "SQL" as cursor to execute commands (but caution is needed there).

Mirek

Subject: Re: MySQL and Sql class issue
Posted by mirek on Wed, 06 Dec 2006 18:25:40 GMT
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P.S. If this explanation does not help, post some code or testcase.

Mirek

Subject: Re: MySQL and Sql class issue
Posted by dmcgeoch on Wed, 06 Dec 2006 20:30:32 GMT
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Hello,

I'm still not sure how to get this to work correctly. I've attached the code that I've written.

Ps. I am still learning how to use Ultimate++ so please forgive the crude code.

Thanks,

Dave

File Attachments
1) SQLApp.zip, downloaded 9414 times

Subject: Re: MySQL and Sql class issue
Posted by mirek on Wed, 06 Dec 2006 21:25:33 GMT

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Well, constructor is about the worst place to do login

It should look like this:

```
GUI_APP_MAIN
{
 MySqlSession session;
 if(!session.Connect("test", "welcome1", "example", "localhost")) {
  Exclamation("Can't connect with MySql\n");
  return;
 }

 SQL = session; // Use as global session

 SqlSchema sch;
 All_Tables(sch);
 if(sch.ScriptChanged(SqlSchema::UPGRADE))
  MySqlPerformScript(sch.Upgrade()); // Create schema without indexes, constraints etc...
 if(sch.ScriptChanged(SqlSchema::ATTRIBUTES)) {
  MySqlPerformScript(sch.Attributes()); // Add indexes, constraints...
 }
 if(sch.ScriptChanged(SqlSchema::CONFIG)) { // Fill with initial data if any
  MySqlPerformScript(sch.ConfigDrop());
  MySqlPerformScript(sch.Config());
 }
 sch.SaveNormal(); // Save as files for later use if needed

 SQLApp().Run();
}
```

Then remove "session" from MyApp and all Sql constructor leave default (sometimes you can use SQL instead of defining Sql - basicaly for all non-query statements, queries are somewhat risky)

Mirek

Subject: Re: MySQL and Sql class issue
Posted by dmcgeoch on Thu, 07 Dec 2006 15:58:10 GMT

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Thank you Mirek. That did the trick.

Dave