Subject: At Wits End/SQLite3
Posted by MikeyV on Thu, 15 Mar 2007 19:05:11 GMT
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Hello,

I'm so frustrated with trying to make this app that I could scream.

I've looked at the reference for SQLite, but it's a console app.

I've looked at the example Homebudget, but it's needlessly complicated for an example.

Both of these apps build a sqlite db, but I have an existing one, so I don't need my app to build it. Neither example is clear on what headers need to be included to just interface with the db.

I made a test app to see if I could populate a dropdown with data from my db, but I can't get it to compile. Here are the errors I get:

```
Sats.cpp
In file included from D:/Development/upp/uppsrc/Sql/sch_schema.h:24,
                 from D:\Development\MyUppApps\Sats\Sats.h:13,
                 from D:\Development\MyUppApps\Sats\Sats.cpp:1:
D:/Development/upp/uppsrc/plugin/sqlite3/Sqlite3Schema.h:6:1: warning: "INT64" redefined
In file included from D:/Development/upp/uppsrc/Core/Core.h:329,
                 from D:/Development/upp/uppsrc/Draw/Draw.h:4,
                 from D:/Development/upp/uppsrc/CtrlCore/CtrlCore.h:4,
                 from D:/Development/upp/uppsrc/CtrlLib/CtrlLib.h:4,
                 from D:\Development\MyUppApps\Sats\Sats.h:4,
                 from D:\Development\MyUppApps\Sats\Sats.cpp:1:
D:/Development/upp/uppsrc/Core/Defs.h:194:1: warning: this is the location of the previous
definition
In file included from D:/Development/upp/uppsrc/Sql/sch_model.h:149,
                 from D:/Development/upp/uppsrc/plugin/sqlite3/Sqlite3Schema.h:82,
                 from D:/Development/upp/uppsrc/Sql/sch_source.h:5,
                 from D:\Development\MyUppApps\Sats\Sats.h:15,
                 from D:\Development\MyUppApps\Sats\Sats.cpp:1:
D:/Development/MyUppApps/Sats/Sats.sch:7: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:35: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:36: error: redefinition of `Upp::SqlId Code'
D:/Development/MyUppApps/Sats/Sats.sch:31: error: `Upp::SqlId Code' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:40: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:41: error: redefinition of `Upp::SqlId Code'
D:/Development/MyUppApps/Sats/Sats.sch:31: error: `Upp::SqlId Code' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:45: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:46: error: redefinition of `Upp::SqlId Code'
```

D:/Development/MyUppApps/Sats/Sats.sch:31: error: `Upp::SqlId Code' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:50: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:51: error: redefinition of `Upp::SqlId Code'
D:/Development/MyUppApps/Sats/Sats.sch:31: error: `Upp::SqlId Code' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:57: error: redefinition of `Upp::SqlId FName'
D:/Development/MyUppApps/Sats/Sats.sch:8: error: `Upp::SqlId FName' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:58: error: redefinition of `Upp::SqlId LName'
D:/Development/MyUppApps/Sats/Sats.sch:9: error: `Upp::SqlId LName' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:63: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:71: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:72: error: redefinition of `Upp::SqlId Code'
D:/Development/MyUppApps/Sats/Sats.sch:31: error: `Upp::SqlId Code' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:76: error: redefinition of `Upp::SqlId ID'
D:/Development/MyUppApps/Sats/Sats.sch:2: error: `Upp::SqlId ID' previously declared here
D:/Development/MyUppApps/Sats/Sats.sch:82: error: redefinition of `Upp::SqlId Remarks'
D:/Development/MyUppApps/Sats/Sats.sch:26: error: `Upp::SqlId Remarks' previously declared here
Sats: 1 file(s) built in (0:04.65), 4656 msecs / file, duration = 4656 msecs

There were errors. (1:54.48)

The redefinition errors make no sense to me what so ever. Is it saying that I can't use the same name for a field in different tables? Why would that be the case?

Please show me where I'm going wrong.

Thanks in advance,
Mike

File Attachments

1) Sats.zip, downloaded 512 times

Subject: Re: At Wits End/SQLite3
Posted by mirek on Thu, 15 Mar 2007 19:27:49 GMT
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MikeyV wrote on Thu, 15 March 2007 15:05Hello,

I'm so frustrated with trying to make this app that I could scream.

I've looked at the reference for SQLite, but it's a console app.

I've looked at the example Homebudget, but it's needlessly complicated for an example.

There is another one: examples/SQLApp

Mirek

Subject: Re: At Wits End/SQLite3
Posted by mirek on Thu, 15 Mar 2007 19:34:25 GMT
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The difference between

INT_ (ID)

and

INT (ID)

is that former also defines SqlId ID("ID"). Of course, if you use '_' twice for ID, you have got two definitions of the same symbol, no-no in C++.

So the moral of the story - always use '_' only once per identifier.

Note: This is not somethin I am particulary happy about, but there is no better choice in C++. It is still less hassle than define SQL ids separately.

Mirek

Subject: Re: At Wits End/SQLite3
Posted by MikeyV on Thu, 15 Mar 2007 19:47:24 GMT
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Wow, it works!

Thanks Mirek!

I was getting undefined's yesterday, so after thinking about it, I decided that the app didn't understand my field names without a schema of some sort. I guess that did the trick.

So the moral is:

1. Define a schema.
2. Only use (INT_ STRING_) for the first field declaration. After that, use the one without the underscore.

Thanks again. Until next roadblock that is

EDIT: You know, the schema for Homebudget is set up correctly, I just wasn't seeing INT_ (ID) and INT (ID)

I guess I went blind to the underscore...
