Subject: SQLArray + Like() + Accents problem
Posted by alex100 on Sat, 22 Jan 2011 23:38:35 GMT
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Hi all

Suppose the clients table (SQLite) has the following contents on field (column) name:

Jusefina Braz
Jumila Carter

Now, I want to select names by using the first two chars.
I used a SQLArray (named dbgrid) and I am using the query() method to issue the Where clause.
I am formating the where clause like this:

(Supose strIniciais String variable has the contents of an editbox used to read the two characters)

```
SqlBool where1;
where1 = Like(Name,Format("%s%s%%",strIniciais.Mid(0,1),strIniciais.Mid(1,1)));
dbgrid.SetOrderBy(Name);
dbgrid.Query(where1);
```

If I write Ju in editbox the SQLArray shows
Jusefina Braz
Jumila Carter

which is correct.

Why?

I used a client GUI for SQLite, I opened the database and issued the following SQL statment:

(u with an accent)

and it worked. So it seems that the problem is on UPP c++ code.

Any help?

Thanks a lot

Alex

Subject: Re: SQLArray + Like() + Accents problem
Posted by mirek on Sun, 23 Jan 2011 11:42:13 GMT
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I think the most likely cause is encoding mismatch...

Subject: Re: SQLArray + Like() + Accents problem
Posted by alex100 on Sun, 23 Jan 2011 18:30:22 GMT
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Do you mean set SQLArray to "utf8" ?
But how?
Thank you

Alex

Subject: Re: SQLArray + Like() + Accents problem
Posted by mirek on Tue, 25 Jan 2011 12:07:12 GMT
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Either your app encoding is not utf-8 ('SetDefaultCharset'), or Sqlite3 encoding is not utf-8 (to tell the truth, right now I do not remember how encoding in Sqlite3 works...)

That said, other DB engines transcode from app encoding to db encoding and back. So perhaps Sqlite3 should do that too.

Subject: Re: SQLArray + Like() + Accents problem
Posted by alex100 on Tue, 25 Jan 2011 13:28:14 GMT
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My app is utf-8 enabled. It is the SQLite that it is not...

I do not know how to set it. If someone knows, please let me know.

Alex

Subject: Re: SQLArray + Like() + Accents problem
Posted by alex100 on Wed, 26 Jan 2011 09:59:44 GMT
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I replaced the SQLArray control by the ArrayCtrl. Now I get information from db using sql statments and fill grid by hand ad everything is ok.
It seems that it is a problem of SQLArray, isnt it?

Alex

Subject: Re: SQLArray + Like() + Accents problem
Posted by alex100 on Fri, 28 Jan 2011 00:36:18 GMT
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Well, it stoped from work again. IT just works while I have a free SQLITE GUI application used to launch sql statments to the db. It seems that this application temporarly modifies the SQLITE engine, i dont know how...

But I realized that SQLITE do not supports unicode on Like() statement.
(http://www.sqlite.org/faq.html and search for unicode)

Someone wrote a .h and .c file to add support for unicode to SQLITE. the files are here:
http://ioannis.mpsounds.net/blog/2007/12/19/sqlite-native-un
icode-like-support/?dl=sqlite3_unicode.zip
With this zip we can compile a .lib, a .dll or use the files directly on a project. As far as I realized, when using directly on a project, only the .c is needed.

I added the .c file to the project and called the functions
sqlite3_unicode_load();
sqlite3_unicode_free();
in the GUI_APP_MAIN block.
The project compiles well but when linking it does not finds the implementation of those functions.

How can I include this .c file in my project and call the functions? A little sample program would be very appreciated.

I tried also generate the lib file but compiler always says that it cant find ~
sqlite3_unicode_load();
sqlite3_unicode_free();

event specifying the .lib file.

Thanks

Alex
