
Subject: Re: sqlarray and sqlite

Posted by [jimlef](#) on Tue, 22 Sep 2020 01:05:37 GMT

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Ok, I've modded the files per Mirek's suggestions, but I keep hitting a wall here I get the error:
/home/james/upp/MyApps/Invoices/UI/customers.cpp (33): error: use of undeclared identifier
'CUSTOMERS'; did you mean 'CUSTOMERID'?

So, I change:

```
CustArray.SetTable(CUSTOMERS, CUST_ID);
```

```
CustArray.SetTable(S_CUSTOMERS, CUST_ID);
```

And I get:

/home/james/upp/MyApps/Invoices/UI/customers.cpp (33): error: 'S_CUSTOMERS' does not refer to a value

My header info:

```
#ifndef _Invoices_customers_h_  
#define _Invoices_customers_h_  
#include <Invoices/UI/sqlincludes.h>
```

```
struct CustomersWindow : WithCustomersWindowLayout<TopWindow> {  
    String DBFile;  
    String configfile = ConfigFile();  
    String cfg;
```

```
    FileSel selectdbwin;
```

```
public:
```

```
    CustomersWindow();  
    virtual void Paint(Draw& w) {  
        w.DrawRect(GetSize(), Color(204, 255, 255)); // <= enter your background color here  
    }  
    void btnAddCustomerClick();  
    void btnUpdateCustomerClick();  
    void btnSearchCustomerClick();  
    void EditRow();  
    String SelectDB();  
    void FakeStub();  
};
```

```
#endif
```

```
    AND
```

```
#ifndef _Invoices_sqlincludes_h_  
#define _Invoices_sqlincludes_h_  
#include <SqlCtrl/SqlCtrl.h>
```

```

#include <plugin/sqlite3/Sqlite3.h>

using namespace Upp;
#define LAYOUTFILE <Invoices/UI/Invoices.lay>
#include <CtrlCore/lay.h>

#define SCHEMADIALECT <plugin/sqlite3/Sqlite3Schema.h> // <-- Mirek informed needed in
header for sql schema use
#define MODEL "Invoices/Tables/Invoices.sch"
#include <Sql/sch_header.h>
#undef MODEL

#endif

```

CPP File:

```

#include "customers.h"
#define MODEL <Invoices/Tables/Invoices.sch>
#include <Sql/sch_source.h>

#undef MODEL

```

```

CustomersWindow::CustomersWindow() {
    CtrlLayout(*this, "Customers");

```

```

    btnAddCustomer << [=] { btnAddCustomerClick(); }; // THISBACK is not needed in c++11 world
and could be replaced with lambda.

```

```

    btnSearchCustomer << [=] { btnSearchCustomerClick(); }; // assisted by forum user Klugier
    btnUpdateCustomer << [=] { btnUpdateCustomerClick(); };

```

```

    btnFake << [=] { FakeStub(); };

```

```

if(FileExists(configfile))
{
    VectorMap<String, String> cfg = LoadIniFile(configfile);
    DBFile = cfg.Get("DBFile", Null);
}
else {
    DBFile = SelectDB();
}
SQL;
Sqlite3Session sqlite3;
if(!sqlite3.Open(DBFile)) {
    Exclamation("Can't create or open database file\n");
    return;
}

```

```
SQL = sqlite3; // switching to using schema instead of sqlid, per Mirek
// SqlId Customers("Customers"), id("id"), name("name"), email("email"), contact("contact"),
address("address"), city("city"), state("state"), zip("zip"), taxable("taxable");
```

```
CustArray.SetTable(S_CUSTOMERS, CUST_ID);
```

```
CustArray.AddColumn(CUSTNAME, "Name"); // .SetConvert(DateIntConvert());
CustArray.AddColumn(EMAIL, "Email"); // .SetConvert(DateIntConvert());
CustArray.AddColumn(CONTACT, "Phone");
CustArray.AddColumn(ADDRESS, "Address");
CustArray.AddColumn(CITY, "City");
CustArray.AddColumn(STATE, "State");
CustArray.AddColumn(ZIP, "Zip");
CustArray.AddColumn(TAXABLE, "Taxable?");
CustArray.ColumnWidths("40 40 20 50 20 15 10 5");
CustArray.SetOrderBy(CUST_ID);
```

```
Sql sql(sqlite3);
sql.Execute("select * from CUSTOMERS");
```

```
while(sql.Fetch())
    CustArray.Add(sql);
// CustArray.WhenBar
CustArray.WhenLeftDouble = [=] { EditRow(); };
```

```
CustArray.GoEndPostQuery();
}
```

```
void CustomersWindow::btnAddCustomerClick()
{
```

```
    PromptOK(__func__);
}
```

```
void CustomersWindow::btnUpdateCustomerClick()
{
    PromptOK(__func__);
}
```

```
void CustomersWindow::btnSearchCustomerClick()
{
    PromptOK(__func__);
}
```

```
void CustomersWindow::EditRow()
{
    PromptOK(__func__);
```

```

}

void CustomersWindow::FakeStub()
{
}

String CustomersWindow::SelectDB()
{
    selectdbwin.Type(t_("Invoices DB"), "*.jts");
    if(!selectdbwin.ExecuteOpen(t_("Select DB File")))
    {
        return "";
    }
    /*
    from http://leonardocce.interfree.it/leowiki.html "simple configfile"
    */
    cfg << "DBFile=" << selectdbwin.Get() << "\n";
    if(!SaveFile(ConfigFile(), cfg))
    {
        Exclamation("Error saving configuration!");
    }
    return selectdbwin.Get();
}

```

My customers table in schema:

```

TABLE (CUSTOMERS)
INT_ (CUST_ID) NOT_NULL PRIMARY_KEY AUTO_INCREMENT
STRING_ (CUSTNAME, 150) NOT_NULL
STRING_ (EMAIL, 150)
STRING_ (CONTACT, 150)
STRING_ (ADDRESS, 150)
STRING_ (CITY, 50)
STRING_ (STATE, 20)
STRING_ (ZIP, 10)
INT_ (TAXABLE) NOT_NULL
END_TABLE

```

All caps, as suggested, and changed some ids to make all unique.

Obviously I have a mistake (mistakes?) here somewhere but I can't seem to find them? Any (more) help would be appreciated

Thanks y'all

EDIT: I just realized that I didn't add _ to TABLE... Fixed it
