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Subject: Re: Difficulty with Class declaration

Posted by [brokndodge](#) on Sun, 04 Apr 2010 15:43:31 GMT

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IT COMPILES!!! I've spent a lot of time over the last several days reading every article Google yielded on c++ member functions and pointers. I still don't understand references and pointers, but I looked at me code last night and the solution just came to me. That's the way I learn I guess. I just need some time to absorb what I have read.

Anyway, I was reading thru the UDMS class, getting ready to just put everything into one huge file under one class, when I got to UDMS::ProspectDetailTab. It dawned on me that I wouldn't be able to point to Popups::member. I would need to point to a UDMS::member, then call Popups::member from there.

Came up with this solution:

main.h:

```
#ifndef main_main_h
```

```
#define main_main_h
```

```
#include <CtrlLib/CtrlLib.h>
```

```
using namespace upp;
```

```
#include "Popups.h" //has to come after "using namespace upp"
```

```
struct UDMS : TopWindow
```

```
{
```

```
private:
```

```
    // a bunch of declarations
```

```
    void CallToPopupsClass(); // new wrapper function
```

```
public:
```

```
    typedef UDMS CLASSNAME;
```

```
    UDMS();
```

```
    Popups pop;
```

```
};
```

```
#endif
```

main.cpp

```
#include "main.h"
```

```
// a lot of code that will eventually be moved
```

```
// to another function
```

```
void CallToPopupsClass(); // new wrapper function
```

```
{ pop.QNHelpPopup();
```

```
    return;
```

```
};
```

```
void ProspectDetailTab();
```

```
{ detail.QNHelpButton.WhenAction = THISBACK(CallToPopupsClass);
};
```

Thanks, cbpporter, for your insight. I've removed all references to UDMS from Popups. The circular dependency was preventing me from getting to the real problem: what I was trying to do just can't directly be done in c++. I'm working on figuring out a more dynamic way to call Popups class. Haven't gotten that far yet. Probably end up with a more dynamic inline function for my wrapper. I don't want 30 wrappers to Popups::members in main.cpp.

I think I understand what pointers and references are, but I'm having trouble with the when, where and why.

Next issue: try as I might, I'm having trouble with \n in a String. The newline sequence seems to be completely ignored. It's not showing up in the code, but it's also not resulting in a newline. I also tried crating my own popup window for this task with the same result.

```
String helpTxt= " CCI - Customer Called IN \n"
" RMC - Returned my Call \n"
" NA - No Answer \n"
"DC1,2,3,w - Phone 1,2,3,work Disconnected \n"
"LM1,2,3,w - Left Message on phone 1,2,3,work \n"
"APPT - Set Appointment \\\(open appointment popup\\) \n"
" AC - Appointment Confirmed \n"
" NS - Didn't Show for Appointment \n"
"KEPT - Kept Appointment \n"
" NN - Enter New Note \n"
"Find - Open Find Prospect Popup";

//qnhelp.DoneButton.WhenAction = THISBACK(CallToStub); */

PromptOK(helpTxt);
```

The above code results in:

Quote:

CCI - Customer Called IN RMC - Returned my Call NA - No Answer DC1,2,3,w - Phone 1,2,3,work Disconnected LM1,2,3,w - Left Message on phone 1,2,3,work APPT - Set Appointment (open appointment popup) AC - Appointment Confirmed NS - Didn't Show for Appointment KEPT - Kept Appointment NN - Enter New Note Find - Open Find Prospect Popup

Should look like:

Quote:

CCI - Customer Called IN  
RMC - Returned my Call  
NA - No Answer DC1,2,3,w -  
Phone 1,2,3,work Disconnected  
LM1,2,3,w - Left Message on phone 1,2,3,work  
APPT - Set Appointment (open appointment popup)

AC - Appointment Confirmed  
NS - Didn't Show for Appointment  
KEPT - Kept Appointment  
NN - Enter New Note  
Find - Open Find Prospect Popup

Where di I go wrong?

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