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Subject: Re: Select Grid Row BY ID

Posted by [Oblivion](#) on Sun, 14 May 2017 14:18:29 GMT

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Hello germax,

I've hopefully "fixed" your code. I only had time for examining the Single- worker threaded variant. It should work now. At least it works on my machines  
(A dell laptop with i5-6200i, 4 gb ram, and a desktop pc with AMD Fx 6100 six core processor, 16 GB ram.).

I've also made some small comments here and there.

Please allow me to point out some issues I've observed while reading your code (It is very clearly written, by the way.):

1) I wouldn't use threads that way. It may work with a single worker thread but you'll definitely run into every kind of concurrency problems if you spawn more than one worker thread. Also, as I've commented in the source code, `while(Thread::IsOpen()) ProcessEvents();` is not a good way to handle threads. It goes against almost every purpose thread mechanism is here for. :) What you achieved is a non-blocking application. But this doesn't mean that it is asynchronous. You should let worker threads work on their own and let them notify you when they're finished. That's why I suggested you read GuiMT example. Yet that example is very primitive. If you look for an actual application handling more than one threads, I'd like to suggest you reading the code of FtpBrowser example I wrote for my FTP class (you can find it here: [http://www.ultimatepp.org/forums/index.php?t=msg&th=8899&goto=43053&#msg\\_43053](http://www.ultimatepp.org/forums/index.php?t=msg&th=8899&goto=43053&#msg_43053)) While the example is purposefully somewhat crude, it can give you the idea on how to manage threads. Look into `FtpAsyncIO()` function and into the parts of FtpBrowser code.

2) U++ already has a csv parser. I modified your code. See main.cpp. :)

3) You're using `PostCallback` somewhat excessively. While it is not wrong at all, you should separate Gui code from (sql) data processing, and call gui code only whenever it is necessary.

Also I'd like to point out that while `GridCtrl` is very flexible and great, there is a `SqlCtrl` which is very handy if you're aiming to use SQL with Grids/Arrays.

Regards,

Oblivion

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## File Attachments

1) [MTSQLTest.zip](#), downloaded 283 times

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