
Subject: Re: Shutdown procedure by clicking red x
Posted by [nneilson](#) on Mon, 27 Dec 2010 03:13:01 GMT
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mutex ~ mutual exclusion

No variables are shared or assessable between the two threads so that is not an issue.

I see you have StaticMutex but only one thread other than the main thread, I guess they could be both using the same variable at the same time.

PostCallBack ~ this thread gets into it but as mentioned above the data is not shared between the two worker threads

<http://www.ultimatepp.org/forum/index.php?t=msg&goto=10545&>

I did look at this:

"I am not expert in threads, but it seems you use gui inside your threads. It would be better to be in main program."

<http://www.ultimatepp.org/forum/index.php?t=msg&goto=29857&>

The two threads each use data from seperate GPS receivers and modify the content of seperate EditFields. The main thread can modify the format it is displayed in.

Sigq<=Sigq;

Location<=Lat + "," + Lon + "," + fAlt;

This works OK changing the data in the threads rather than in main.

atomic ~ concurrent reads and writes ~ a thread in my case does not read/write the other threads variables.

note: As far as error handling after about an hour the count for each GPS receiver may vary, I don't use the checksum for each sentence but as long as the Lat, Lon and Alt are OK it is used, otherwise it is skipped. It will not exit the app if a sentence is bad/skipped or missing.

Neil
