
Subject: Re: How to use CoWork and Progress together?

Posted by [Tom1](#) on Sat, 11 Apr 2020 09:14:35 GMT

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Hi Mirek,

This is a nice and stylish improvement!

However, there is still something to fix as using this through a menu leaves the app frozen at or near the completion of parallel processing. Here's a testcase based on the reference example:

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

using namespace Upp;

class Test: public TopWindow{
public:
    typedef Test CLASSNAME;
    MenuBar menu;

    void Worker(){
        Progress pi("Working on many items at once...", 100);
        std::atomic<int> ii(0);
        CoDo([&] {
            for(int i = ii++; i < 100; i = ii++) {
                for(int q = 0; q < 1000; q++) {
                    if(pi.Canceled()) // ideally call Canceled every 1-10ms
                        return;
                    Sleep(1); // work simulation
                }
                pi.Step();
            }
        });
    }

    void MainMenu(Bar &bar){
        bar.Add("Process...", THISFN(Worker));
    }

    Test(){
        AddFrame(menu);
        menu.Set([=](Bar& bar) { MainMenu(bar); });
    }
};

GUI_APP_MAIN
{
    Test test;
```

```
test.Run();  
}
```

Thanks and best regards,

Tom
