Subject: Ctrl::Quit() and system shutdown
Posted by jjacksonRIAB on Wed, 29 Feb 2012 10:06:51 GMT
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How do I override a system shutdown to prompt a user, for example, to save their files?

Quit() does not seem to be called when I do a system shutdown, log off, or reboot on either Windows or Linux.

Just using modified example code:

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

using namespace Upp;

#define IMAGECLASS Tray
#define IMAGEFILE  <TrayIcon/tray.iml>
#include <Draw/iml.h>

struct App : TrayIcon {
   virtual void LeftDouble() {
      Icon(Tray::Icon1());
      PromptOK("TrayIcon launched this prompt!");
      Icon(Tray::Icon());
   }

   virtual void Quit() {
      PromptOK("Quitting...");
 Break();
   }

   virtual void LeftDown() {
      Info("TrayIcon", "You have clicked the TrayIcon!\n""TrayIcon is U++ reference example.");
   }

   virtual void Menu(Bar& bar) {
      bar.Add("Info..", THISBACK(LeftDouble));
      bar.Separator();
      bar.Add("Exit", THISBACK(Quit));
   }

   typedef App CLASSNAME;

   App() {
      Icon(Tray::Icon());
      Tip("This is U++ TrayIcon");
   }
```

```
};

GUI_APP_MAIN
{
   App().Run();
}
```

If I shutdown, the PromptOK window never shows, but it does show when I select Exit...

Subject: Re: Ctrl::Quit() and system shutdown
Posted by BioBytes on Wed, 29 Feb 2012 15:32:56 GMT
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Hi,

EyeCare the sample of TrayIcon application is derived from TopWindow. So did you this in your code ?

```
virtual void Close() {
       PromptOK("Quitting...");
 TopWindow::Close();
       //Break();
   }
```

Regards
Biobytes

Subject: Re: Ctrl::Quit() and system shutdown
Posted by jjacksonRIAB on Wed, 29 Feb 2012 16:11:29 GMT
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The code I posted is just another example, slightly modified:

http://www.ultimatepp.org/reference$TrayIcon$en-us.html

Maybe the difference is that only TopWindow-derived controls can receive WM_QUERYENDSESSION and TrayIcon cannot?

I cannot call TopWindow::Close because TrayIcon is not TopWindow-derived, and I cannot make it TopWindow-derived using multiple inheritance either.

Subject: Re: Ctrl::Quit() and system shutdown
Posted by jjacksonRIAB on Wed, 29 Feb 2012 16:38:18 GMT
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Ok I created a quick TopWindow-derived app and it does interrupt shutdown. TrayIcon does not receive that event.

I will embed the TrayIcon in a TopWindow control and that should take care of the problem. Thanks!