Subject: Custom actions on Minimize or Close button
Posted by hojtsy on Mon, 13 Feb 2006 11:35:44 GMT
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I would like to Hide() my window when the Minimize or Close button is pressed in the title bar, instead of minimizing or closing. Which methods should I overload for this?

Subject: Re: Custom actions on Minimize or Close button
Posted by mirek on Mon, 13 Feb 2006 11:57:55 GMT
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Close: Either Close virtual method or WhenClose callback.

Minimize: Not directly supported, means override WindowProc and catch the window message (and call Ctrl::WindowProc at the end).

Mirek

Subject: Re: Custom actions on Minimize or Close button
Posted by mirek on Mon, 13 Feb 2006 12:00:31 GMT
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Correction: Override WindowProc and do not forget to call TopWindow::WindowProc in it.

Mirek

Subject: Re: Custom actions on Minimize or Close button
Posted by lokki on Wed, 21 Nov 2007 10:54:27 GMT
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Hello

I had similar problem and solved it just as you had written. For others, here it is:

```
class MyWindow: public WithMyCustomLayout<TopWindow> {
...
  Callback WhenMinimize; // callback for minimize

  // Overriding default WindowProc
  LRESULT WindowProc(UINT message, WPARAM wParam, LPARAM lParam);
...
};
```

```
// implementation of WndProc
LRESULT MyWindow::WindowProc(UINT message, WPARAM wParam, LPARAM lParam)
{
 if (message == WM_SYSCOMMAND && wParam == SC_MINIMIZE)
 {
  WhenMinimize(); // callback
  return 0;
 }
 return TopWindow::WindowProc(message, wParam, lParam);
}

// in window constructor or any other suitable method,
// assign custom function to callback
MyWindow::MyWindow()
{
...
   WhenMinimize = THISBACK(MyCustomFunction);
...
}
```

Subject: Re: Custom actions on Minimize or Close button
Posted by amit on Sat, 01 Dec 2007 16:57:54 GMT
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hi,
I want to have some additional processing on application exit.
The code given by lokki should work but few point to be cleared are:

by overriding WindowProc ((--------all we have to-------)) do is:

this is for minimize example ..

```
// implementation of WndProc
LRESULT MyWindow::WindowProc(UINT message, WPARAM wParam, LPARAM lParam)
{
 if (message == WM_SYSCOMMAND && wParam == SC_MINIMIZE)
 {
  My_Custom_Function(); // ----------------------------------------------------this does  not have to be a CallBack but any function can well do.
  return 0;  //---------------------------------------------------add this line if you want to ignore the actual minimizing else remove it.
 }
 return TopWindow::WindowProc(message, wParam, lParam);
}
```

i am not able to get the Close thing ... wait i'll check the U++ source and let you know ...

ok got it for working out "custom closing" do so ..

there are two ways ...

first ...

```
virtual void Close()
{
  ... // custom code
  ...
  ...
  TopWindow::Close(); // call this if you want to actually close window after custom processing
}
```

or the second ...

```
my_window_app::my_window_app()
{
...
WhenClose = THISBACK(custom_action_function);  // WhenClose is a member of your baseclass already do not re-declare it ..
...
}
```

.....

```
my_window_app::custom_action_function()
{
  ... // custom code
  ...
  ...
  Close(); // the TopWindow Close would be called as Close() is not re-defined in this case
}
```

and i think WhenMinimize CallBack is not there ... correct me if wrong.

Subject: Re: Custom actions on Minimize or Close button
Posted by lokki on Mon, 17 Dec 2007 08:59:27 GMT
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yes, you're right WhenMinimize callback isn't there. If it was, all would be much easier. What did I, was the implementation of this callback to my custom window class.

Your solution is cleaner, I think