Subject: Mouse over button example -"catch me if you can..."
Posted by fudadmin on Sun, 26 Mar 2006 11:48:59 GMT
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```
#include <CtrlLib/CtrlLib.h>
//this demonstrates how to install some useful callbacks... :)

class MoButton : public Button {
    bool wasHere;
public:
 typedef MoButton CLASSNAME;
 Callback WhenMouseEnter, WhenMouseLeave;
 virtual void   MouseEnter(Point p, dword f) {wasHere=true; WhenMouseEnter();}
 virtual void   MouseLeave();
 void SetWasNotHere() {wasHere=false;}

 MoButton(){;}
 ~MoButton(){;}
};

void  MoButton::MouseLeave() {
 if (wasHere){
  ReleaseCapture(); //do I really need this?
  wasHere=false;
  WhenMouseLeave();
 }
}


class App : public TopWindow {
 MoButton opener;
 TopWindow info;
public:
 typedef App CLASSNAME;
 void openerIn();
 void openerOut();
 void openerFix();

 App();
};

void App::openerIn(){
 info.BottomPosZ(5, 200).HSizePos(200, 200); //use it here if you want to adjust according to
button pos...

 if(!info.IsOpen()) { info.Open(); opener.SetFocus(); }
}
```

```
void App::openerOut(){
 if(info.IsOpen()) { info.Close(); }
}

void App::openerFix(){
 if(info.IsOpen()) { info.SetFocus(); opener.SetWasNotHere(); }
}

App::App() {
 Add(opener.TopPosZ(5, 50).LeftPos(10, 250));
 opener.SetLabel("opener test Button Mouse-In Mouse-Out");

 info.Title("Catch me if you can!... :)");

 opener.WhenMouseEnter = THISBACK(openerIn);
 opener.WhenMouseLeave = THISBACK(openerOut);
 opener.WhenPush = THISBACK(openerFix);

 OpenMain();
 Sizeable().Zoomable();
 Title("Mouse Over Button");
}


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

feel free to critisize and improve...

Subject: Re: Mouse over button example...
Posted by mirek on Sun, 26 Mar 2006 16:22:07 GMT
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fudadmin wrote on Sun, 26 March 2006 06:48[code]
feel free to critisize and improve...

There is serious problem with this code: you should call Button::MouseLeave and Button::MouseEnter inside your overrides. (This bug demostrates in XP visual style by orange highlight being stuck).

Mirek

Subject: Re: Mouse over button example...
Posted by fudadmin on Sun, 26 Mar 2006 21:27:02 GMT
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luzr wrote on Sun, 26 March 2006 17:22fudadmin wrote on Sun, 26 March 2006 06:48[code]
feel free to critisize and improve...

There is serious problem with this code: you should call Button::MouseLeave and Button::MouseEnter inside your overrides. (This bug demostrates in XP visual style by orange highlight being stuck).

Mirek

Thanks! Is it correct now?

```
#include <CtrlLib/CtrlLib.h>
//this demonstrates how to install some useful callbacks...

class MoButton : public Button {
    bool wasHere;
public:
 typedef MoButton CLASSNAME;
 Callback WhenMouseEnter, WhenMouseLeave;
 virtual void   MouseEnter(Point p, dword f);
 virtual void   MouseLeave();
 void SetWasNotHere() {wasHere=false;}

 MoButton(){wasHere=false;}
 ~MoButton(){;}
};

void  MoButton::MouseEnter(Point p, dword f) {
 if (!wasHere){
  wasHere=true;
  WhenMouseEnter();
 }
 Button::MouseEnter(p,f); //don't forget to call what you have overridden...
}

void  MoButton::MouseLeave() {
 if (wasHere){
  //ReleaseCapture(); //do I really need this? - not in this case :)
  wasHere=false;
  WhenMouseLeave();
 }
 Button::MouseLeave(); //don't forget to call what you have overridden...
}
```

```
class App : public TopWindow {
 MoButton opener;
 TopWindow info;
public:
 typedef App CLASSNAME;
 void openerIn();
 void openerOut();
 void openerFix();

 App();
};

void App::openerIn(){
 info.BottomPosZ(5, 200).HSizePos(200, 200); //use it here if you want to adjust according to
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 info.Title("Catch me if you can!... :)");

 opener.WhenMouseEnter = THISBACK(openerIn);
 opener.WhenMouseLeave = THISBACK(openerOut);
 opener.WhenPush = THISBACK(openerFix);

 OpenMain();
 Sizeable().Zoomable();
 Title("Mouse Over Button");
}


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

Subject: Re: Mouse over button example...
Posted by mirek on Mon, 27 Mar 2006 00:04:39 GMT
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Much better. Remove that "ReleaseCapture" too and I will be happy

Mirek

Subject: Re: Mouse over button example...
Posted by fudadmin on Mon, 27 Mar 2006 00:13:25 GMT
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luzr wrote on Mon, 27 March 2006 01:04Much better. Remove that "ReleaseCapture" too and I will be happy

Mirek

Thanks. Done.

Subject: Re: Mouse over button example...
Posted by gprentice on Mon, 27 Mar 2006 10:10:52 GMT
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Catch me if you can?

ok, I can - click the button!

Subject: Re: Mouse over button example...
Posted by fudadmin on Mon, 27 Mar 2006 10:25:10 GMT
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gprentice wrote on Mon, 27 March 2006 11:10
Catch me if you can?

ok, I can - click the button!

You are improving too fast... Next time I'll make something more difficult for you...
