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Subject: Resizing a GUI object?

Posted by [ptkacz](#) on Sun, 10 Sep 2017 05:31:03 GMT

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Hi Guys,

When we create a U++ APP, a layout is created. For example, if our APP is named SimpleAPP, the layout SimpleAPPLayout gets created.

Within the SimpleApp class header file, the class gets defined as,  
class SimpleAPP : public WithSimpleAPPLayout<TopWindow> {...  
We might also define some private member variables:

```
DrawCanvas canvas;  
WithButtonLayout<ParentCtrl> buttonPanel;
```

Within main.cpp, the main GUI body looks as follows:

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

Within the SimpleAPP constructor, our APP is defined as follows:

```
SimpleAPP::SimpleAPP()  
{  
    CtrlLayout(*this, "Simple APP");  
    Sizeable();  
    canvas.SetRect(100, 0, 600, 500 );  
  
    CtrlLayout(buttonPanel);  
    buttonPanel.someButton << THISBACK(doSomething);  
  
    Add(buttonPanel);  
    Add(canvas);  
    BackPaint();  
}
```

When the APP's window gets resized or maxed, the Paint method of our APP's class gets called (i.e. void Paint(Draw& w)). I can retrieve a layouts size, etc. for example:

```
Size sz2 = buttonPanel.GetSize();
```

This can be done for other components (i.e. canvas). The width of the buttonPanel can be accessed as, sz2.cx.

How can one set the size of a widget since a SetSize method does not appear to exist? In this case, it would be liked for the buttonPanel to remain the same size, but have the canvas be

resized to fill the remaining space.

Peter

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Subject: Re: Resizing a GUI object?

Posted by [mirek](#) on Sun, 10 Sep 2017 06:27:51 GMT

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ptkacz wrote on Sun, 10 September 2017 07:31Hi Guys,

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Peter

SetRect, LeftPos, HSizePos, etc...

Note that there is nothing magical about layouts. In fact, all layout is that it provides a routine that calls above methods to place the object.

It might be worth looking at .lay file as text (press Ctrl+T) as illustration.

Mirek

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Subject: Re: Resizing a GUI object?

Posted by [ptkacz](#) on Tue, 12 Sep 2017 02:12:37 GMT

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Thanks Mirek,

SetRect applied to the canvas within Paint worked great, in that the canvas now resizes, when the main window is resized!

The only downside is that I had to fill in the area on the left with a DrawRect, otherwise the column area below the panel/layout on the left, would randomly fill in with contents from the desktop and or the desktop lock screen.

Peter

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