Subject: Re: Resizable IDL List widget?
Posted by David Fanning on Thu, 12 Apr 2007 22:44:22 GMT

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JD Smith writes:

> Nice. My version gets bigger and smaller fine under X, with no
> trouble with the Quit button. The fact that it doesn't under Windows
> means that querying and setting SCR_XSIZE is not a symmetric
> operation.

I updated the article with a picture of the problem with the QUIT
button, so those of you who work with something other than Windows
can see what your beautiful IDL code looks like running on your boss's
machine.

   http://www.dfanning.com/widget_tips/resize_list.html

> I'm not certain, but here's a test of this:
>
> b=widget_base(/COLUMN)
> t=widget_label(b,VALUE='Testing Foolery')
> d=widget_draw(b,XSIZE=100,YSIZE=80)
>
> widget_control, b,/realize
> widget_control, d,get_value=v
> wset,v
> tvscl,dist(100,80)
>
> for i=0,10 do begin
>   g=widget_info(d,/GEOMETRY)
>   print,'X: ',g.SCR_XSIZE,' Y: ',g.SCR_YSIZE
>   widget_control, d,SCR_XSIZE=g.SCR_XSIZE,SCR_YSIZE=g.SCR_YSIZE
> endfor

No, I think the problem must be something else. This code
behaves about like I think you must be expecting it to. That
is, nothing much happens and all sizes are reported as the
same.

> If IDL were written today, it could leverage a modern cross-platform GUI
> toolkit, like QT/GTK/wX/etc., and dispense with all this crap.

After all the rigamarole and complexity of separating widgets
from the iTool visualization layer, maybe this is what they
intend to do with the big Eclipse update. Ditch widgets and
give us iTools with modern cross-platform GUIs. That would
certainly get rid of those irritating customers who use direct

graphics and complain all the time! :-)

Cheers,

David
--
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")