## Subject: Re: Source Code: A min/max compound widget Posted by Doug Larson on Thu, 24 Sep 1998 07:00:00 GMT

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<HTML>

<FONT FACE="Courier New, Courier">David Fanning wrote:</FONT>

<BLOCKQUOTE TYPE=CITE><FONT FACE="Courier New,Courier">Rose
(rmlongfield@my-dejanews.com)

writes:</FONT><FONT FACE="Courier New,Courier"></FONT>

<P><FONT FACE="Courier New,Courier">> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

I am re-visiting the construction of compound widgets, having had not</FONT>

<BR><FONT FACE="Courier New,Courier">>> so much success a few months ago
when first starting widgets.&nbsp; I'll probably</FONT>

<BR><FONT FACE="Courier New,Courier">>> be studying your program to hopefully
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<BR><FONT FACE="Courier New,Courier">> of PRO\_SET\_VALUE and FUNC\_GET\_VALUE which are not very well documented. (Nor</FONT>

<BR><FONT FACE="Courier New,Courier">>> can I find their use anywhere on

DWF's web page :( Dave seems to prefer</FONT>

<BR><FONT FACE="Courier New,Courier">> using a NotifyID keyword to pass events and change things.
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<P><FONT FACE="Courier New,Courier">No, no, no. In fact, these days, ALL of my compound widgets</FONT>

<BR><FONT FACE="Courier New,Courier">are written as objects. The purpose
of the FUNC\_GET\_VALUE</FONT>

<BR><FONT FACE="Courier New,Courier">for these objects is to return the
"self" object, which</FONT>

<BR><FONT FACE="Courier New,Courier">I can then control by means of methods.

This makes it</FONT>

<BR><FONT FACE="Courier New,Courier">incredibly easy to manipulate the internal widgets of

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<BR><FONT FACE="Courier New,Courier">of my real programs are too complex for instructional

<BR><FONT FACE="Courier New,Courier">programs, and I haven't had the time
to write a simple,</FONT>

<BR><FONT FACE="Courier New,Courier">but meaningful, example. I promise to do it, but I really

<BR><FONT FACE="Courier New,Courier">can't say when. :-)/FONT><FONT FACE="Courier New,Courier">/FONT>

<P><FONT FACE="Courier New, Courier">Cheers, </FONT><FONT FACE="Courier"

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<P><FONT FACE="Courier New, Courier">David</FONT></BLOCKQUOTE>
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<FONT FACE="Courier New, Courier">&nbsp;Hi,</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp; 1) The students are back
so our network is \*really\* screwed(up)</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; so double posts may result so apologies in advance.

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp; 2) After watching&nbsp;
"South Park" last night I realized that I</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; should
have made the widget do both float and integer, I</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; guess since SP is in Colorado and David lives in Colorado</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; I made
the connection ... :)

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp; 3) The extremely thin
IDL volume on Objects & Graphics led me</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; to
believe that I would be spending far too much time learning</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
Object Oriented Programming without a net and not getting any

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; work done.&nbsp; David's statement about "programs are too complex"</FONT>

<BR><FONT FACE="Courier New,Courier">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; seems
to justify my delay into OOP.</FONT>

<BR><FONT FACE="Courier New,Courier">Doug</FONT>

<PRE>--&nbsp;

Douglas J. Larson e-mail: djl@loki.srl.caltech.edu

Space Radiation Lab

California Institute of Technology

Mail Code: 220-47

Pasadena, CA 91125</PRE>

</HTML>

Subject: Re: Source Code: A min/max compound widget Posted by davidf on Thu, 24 Sep 1998 07:00:00 GMT View Forum Message <> Reply to Message

Rose (rmlongfield@my-dejanews.com) writes:

- I am re-visiting the construction of compound widgets, having had not
   so much success a few months ago when first starting widgets. I'll probably
- > be studying your program to hopefully get some ideas, in particular, the use
- > of PRO\_SET\_VALUE and FUNC\_GET\_VALUE which are not very well documented. (Nor
- > can I find their use anywhere on DWF's web page : ( Dave seems to prefer

> using a NotifyID keyword to pass events and change things.

No, no, no. In fact, these days, ALL of my compound widgets are written as objects. The purpose of the FUNC\_GET\_VALUE for these objects is to return the "self" object, which I can then control by means of methods. This makes it incredibly easy to manipulate the internal widgets of a compound widget.

I've been meaning to write an example of this, but most of my real programs are too complex for instructional programs, and I haven't had the time to write a simple, but meaningful, example. I promise to do it, but I really can't say when. :-)

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C	11	е	e	rs	

David

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David Fanning, Ph.D.

Fanning Software Consulting E-Mail: davidf@dfanning.com

Phone: 970-221-0438, Toll-Free Book Orders: 1-888-461-0155 Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Source Code: A min/max compound widget Posted by rmlongfield on Thu, 24 Sep 1998 07:00:00 GMT View Forum Message <> Reply to Message

In article <36098201.C8C40513@REMOVECAPSloki.srl.caltech.edu>, Doug Larson <djl@REMOVECAPSloki.srl.caltech.edu> wrote:

- > Hi All,
- > I just finished a compound widget using sliders for getting the
- > minimum
- > and maximum of some range. I have included a simple test code at the
- > bottom
- > of the file for people to see what the widget does.

## Hi Doug,

I downloaded your compound widget and it works fine on an SGI IDLv5.0. I have already something that does a similar thing but in a very inelegant (unelegant?) and inflexible way. I'll try using your program instead, as it is written as a CW (and not a bunch of confusing statements which is what I have now).

I am re-visiting the construction of compound widgets, having had not so much success a few months ago when first starting widgets. I'll probably be studying your program to hopefully get some ideas, in particular, the use of PRO\_SET\_VALUE and FUNC\_GET\_VALUE which are not very well documented. (Nor can I find their use anywhere on DWF's web page :( Dave seems to prefer using a NotifyID keyword to pass events and change things.

Thanks Rose

----= Posted via Deja News, The Leader in Internet Discussion ==----http://www.dejanews.com/rg\_mkgrp.xp Create Your Own Free Member Forum

Subject: Re: Source Code: A min/max compound widget Posted by davidf on Thu, 24 Sep 1998 07:00:00 GMT View Forum Message <> Reply to Message

Doug Larson (djl@REMOVECAPSloki.srl.caltech.edu) writes:

- > 2) After watching "South Park" last night I realized that I
- > should have made the widget do both float and integer.

Don't worry about it. Most of my \*really\* good programming ideas come about 10 seconds after I hit the SEND button. :-)

- > 3) The extremely thin IDL volume on Objects & Graphics led me
- > to believe that I would be spending far too much time learning
- > Object Oriented Programming without a net and not getting any
- > work done. David's statement about "programs are too complex"
- > seems to justify my delay into OOP.

No, no, no. Just the opposite. Object-oriented programming is so easy that programs get complex just by virtue of you thinking, "Oh, wouldn't it be neat if..." I find it hard to STOP writing object programs. There is just no end to the neat things you can do with them.

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Besides, this newsgroup is a good safety net. :-)
Cheers,
David

David Fanning, Ph.D.
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