Subject: Widget problems

Posted by murthy_j on Mon, 18 May 1992 14:37:25 GMT

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I am just starting to use widgets and I'm having a lot of trouble with the IDL hanging; I have to use a ctrl-z to stop the process. I suspect that most of the problem was caused by my using a Draw widget and the mouse generating thousands of events in that window. I have now switched over to using a regular window for my graphics and just using widgets for buttons and sliders.

Is this a common problem and is there any reason to use a Draw widget rather than a regular window? Even now ISL hangs occaisonally; I think it is usually when I move my mouse over another wdget immediately after selecting one. I am running IDL v2.3.0 under IRIX 4.4.

Jayant Murthy, Dept. of Physics JHU.

Subject: Re: Widget problem

Posted by patterso on Thu, 06 Jul 1995 07:00:00 GMT

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Jyothi Kirani (jvk) wrote:

: Can any one help?

.

- : I have written a small widget interface in which I have a bunch of text fields.
- : I wanted to know whether I can move the cursor to the next text field as soon
- : as a return key is hit in the previous text field, without using the mouse.
- : If anyone has any ideas as to how to implement this, please let me know.

: Thanks,

: jyothi.

I tried mailing you an answer but jvk as a mailing address doesn't get very far :)

Anyway, here's my stab at it...

Could you put some sort of checking mechanism in the UVALUE associated with each text field. Perhaps a UVALUE.NEXT flag. Check the UVALUE when an event activates the callback, and if it is set, move to the next field. If it is not set, don't move. I guess you would also need a method of storing the widget ID of the next field, but again you could use UVALUE.NEXT_ID. The only tricky bit would be to fill this structure field correctly when you construct the Widgets.

Hope this is some help. Sorry if I have totally misunderstood what you were trying to do:)

Tim

Subject: Re: Widget Problem

Posted by cavanaug on Fri, 07 Jul 1995 07:00:00 GMT

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In article <3thd4j\$32l@lace.Colorado.EDU>, Jyothi Kirani <jvk> wrote :

> Can any one help?

>

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- > Thanks,
- > jyothi.

Here's a _very_ simple example of how you can change the input focus from one text widget to another. Although I don't condone using common blocks as state variables, I've done it here to keep things simple.

------ Cut Here-----

- ; change_focus.pro Charles Cavanaugh July 1995
- ; simple demonstration of changing focus of text widgets

pro change_focus_event, event common testdata, txt0, txt1, txt2, val0, val1, val2

; process the event widget_control, event.id, get_uvalue = uval case uval of

- ; if the return key was hit while txt0 had the input focus, change focus to txt1 'txt0': widget_control, txt1, /input_focus
- ; if the return key was hit while txt1 had the input focus, change focus to txt2 'txt1': widget_control, txt2, /input_focus
- ; if the return key was hit while txt1 had the input focus, change focus to txt0 'txt2': widget_control, txt0, /input_focus

```
; read the text boxes and destroy the widget
  'done' : begin
         widget_control, txt0, get_value = tempval
         val0 = tempval(0)
         widget_control, txt1, get_value = tempval
         val1 = tempval(0)
         widget_control, txt2, get_value = tempval
         val2 = tempval(0)
         widget control, event.top, /destroy
        end
   else:
 endcase
end
pro change focus
; save ids and values
 common testdata, txt0, txt1, txt2, val0, val1, val2
; build the widget
 base = widget base (title = 'Changing Focus Demonstration', /column)
 val0 = "
 txt0 = widget_text (base, xsize = 50, value = val0, uvalue = 'txt0', /editable)
 val1 = "
 txt1 = widget_text (base, xsize = 50, value = val1, uvalue = 'txt1', /editable)
 val2 = "
 txt2 = widget text (base, xsize = 50, value = val2, uvalue = 'txt2', /editable)
 done = widget button (base, xsize = 50, value = 'Done', uvalue = 'done')
; realize the widget
 widget_control, base, /realize
; set the initial input focus to whatever text box you want
 widget_control, txt0, /input_focus
; register the widget
; and since common blocks are used to hold the state variables, this widget should be modal
 xmanager, 'change focus', base, group leader = group, /modal
; print out the values returned from the text boxes
 print, 'val0 is ', val0
 print, 'val1 is ', val1
 print, 'val2 is ', val2
end
Charles Cavanaugh
                           "Words are very unnecessary, they can only do harm"
cavanaug@ncar.ucar.edu
                                     - Depeche Mode
```

| NCAR Boulder, CO | , USA | "Facts all come | with points | of view" |
|------------------|-------|-----------------|-------------|----------|
| My opinions | 1 | - Talking Heads | | |

Subject: Re: Widget problem

Posted by klm5 on Fri, 07 Jul 1995 07:00:00 GMT

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In article <3thd4j\$32l@lace.Colorado.EDU>, Jyothi Kirani <jvk> wrote:

- > Can any one help?
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> If anyone has any ideas as to how to implement this, please let me know.

- > Thanks.
- jyothi. >

I believe the <tab> key will allow you to advance the cursor to the next field without having to move the mouse. I've never tried coding this into an application to move the cursor automatically, though.

Kip Matthews k-matthews@uchicago.edu Graduate Program in Medical Physics The University of Chicago Chicago, Illinois