
Subject: Re: widget confusion

Posted by [jeanh](#) on Mon, 23 Nov 2009 15:50:15 GMT

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chris wrote:

> Hi there,
> i want to create a program which allows to change parameters by manual
> input, by opening saved parameters and by restoring defaults within a
> widget. After finishing those kinds of inputs the program shall be
> closed by the O.K-Button. Unfortunately, the inputs are ignored. Who
> can help me a little bit with the event handling.
>
> THANKS in advance and regards
>
> CR
>

Hi,

there are a few things here... first, ptr is a pointer, so you do not need to save it each time you do something... especially when the very next action is to destroy the widget.

Now, I don't see you reading your value. You need to save "field1" in your pointer, then access the corresponding value with
widget_control,event.top, get_uValue=ptr ;(begining of the event handler)
widget_control,(*ptr).fieldID, get_value=aot_def_value

Jean

> The following program code may better explain what I mean:
>
> usage: ptr=menu(ptr=ptr) &print, 'Widget result', (*ptr).(0)
>
> pro menu_controls_event,event,ptr
> widget_control, event.top, get_uvalue=ptr
> widget_control, event.id,get_uvalue=action
> case action of
> 'open' : begin
> restore, dialog_pickfile()
> (*ptr)[1].bp = 0b
> print,'imported values:',(*ptr).(0)
> widget_control, event.top, set_uvalue=ptr
> widget_control,event.top,/destroy
> end
> 'saveas' : begin
> save,ptr,filename=dialog_pickfile()
> (*ptr)[1].bp = 0b

```

> widget_control, event.top, set_uvalue=ptr
> widget_control,event.top,/destroy
> end
> 'ok' : begin
>   (*ptr)[1].bp = 1b
>   widget_control, event.top, set_uvalue=ptr
>   widget_control,event.top,/destroy
>   end
> 'cancel' : begin
>   (*ptr)[1].bp = 1b
>   widget_control, event.top, set_uvalue=ptr
>   widget_control,event.top,/destroy
>   end
> 'exit' : begin
>   (*ptr)[1].bp = 1b
>   widget_control, event.top, set_uvalue=ptr
>   widget_control,event.top,/destroy
>   end
> 'aot_def' : begin
>   (*ptr)[1].bp = 0b
>   (*ptr)[1].aot_def = float(event.(where(strupcase(tag_names
> (event)) eq 'VALUE'))))
>   widget_control, event.top, set_uvalue=ptr
>   end
> 'def' : begin
>   (*ptr)[1].bp= 0b
>   (*ptr)[1]=(*ptr)[0]
>   widget_control, event.top, set_uvalue=ptr
>   widget_control,event.top,/destroy
>   end
> endcase
> end
>
> function menu_controls,ptr
>   tlb = widget_base(title='test',row=3,mbar=men)
>   menubase= widget_button(men,value='File')
>   menu1 = widget_button(menubase,value='Open',uvalue='open')
>   menu2 = widget_button(menubase,value='Save as',uvalue='saveas')
>   menu3 = widget_button(menubase,value='Defaults',uvalue='def')
>   menu4 = widget_button(menubase,value='Exit',uvalue='exit')
>   field1 = cw_field (tlb,value=(*ptr)[1].aot_def,title='AOT (Optical
> Thickness)',uvalue='aot_def');,/all_events,/column)
>   field2 = widget_button (tlb,value='Ok',uvalue='ok', /align_center)
>   field3 = widget_button (tlb,value='Cancel',uvalue='cancel',/
> align_center)
>   widget_control,tlb,/realize
>   widget_control,tlb,set_uvalue=ptr
>   xmanager,'menu_controls',tlb

```

```
> return,ptr
> end
>
> function menu,ptr=ptr
> if ~keyword_set(ptr) or ~n_elements(ptr) then begin
>   ptr = {aot_def : 0.1234,bp:0b }
>   ptr = ptr_new(replicate(ptr,2),/no_copy)
> endif
> ptr = menu_controls(ptr)
> print, 'Final:',(*ptr).(0)
> if (*ptr)[1].bp eq 0b then ptr=menu(ptr=ptr)
> return, ptr
> end
```
