
Subject: Re: processing widget events from multiple hierarchies

Posted by [ronn](#) on Wed, 22 Aug 2001 21:02:24 GMT

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Hi Rick,

It looks like the only mistake was that the event_pro keyword must be a string. The fix is below...

-Ronn

--

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"Application Development with IDL" 1½ programming book updated for IDL5.4!

"Calling C from IDL, Using DLM's to extend your IDL code" NEW BOOK!

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-----cut here-----

```
; Code fragment illustrating problems with event_pro specification.
; Events go to XWidTest_event( ), not XWidTest_Param( ),
;XWidTest_ParamAccept( ), XWidTest_Param2( ).
```

```
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
```

```
;/// modal dialog ///
```

```
pro xWidTest_param,event
print,'you pressed enter in the text widget'
return
end
```

```
pro XWidTest_ParamAccept,event
print,'you pressed the accept button'
return
end
```

```
pro XWidTest_Action3, event
```

```
    widget_control, event.top, Get_UValue=info, /No_Copy
```

```
; If this widget already exists, then don't duplicate it
if (NOT widget_info(info.baseAID, /valid_id)) then begin
    info.baseAID = widget_base(column = 1, title = 'parameters')
```

```
    baseA1ID = widget_base(info.baseAID, column = 2)
    labelA1ID = widget_label(baseA1ID, value = "parameter 1")
    editA1ID = widget_text(baseA1ID, value="edit 1", uvalue = "PARAM1",$
        /EDITABLE, event_pro ='XWidTest_Param')
```

```

; .... other base/label/text commands omitted for clarity

buttonAID = widget_button(info.baseAID, value="accept", $
    event_pro ='XWidTest_ParamAccept')

    widget_control, info.baseAID, /realize
endif ; (widget already exists test)

xmanager, 'XWidTest', info.baseAID, /NO_BLOCK, event_handler =
'XWidTest_Param2'

; restore the user data handle
widget_control, event.top, Set_UValue=info, /NO_COPY

end

;////////////////////////////////////
;/// main program ///

pro XWidTest

    base1ID = widget_base(column = 1, title = 'base 1')
    menuID = WIDGET_BUTTON(base1ID, VALUE='Test', /MENU)
    action3ID=WIDGET_BUTTON(menuID, VALUE='pop-up dialog', $
        UVALUE='ACTION3', EVENT_PRO="XWidTest_Action3")

    widget_control, base1ID, /realize

; place holder for dialog widget
baseAID = -1L

; pass pointer to window data
info = {baseAID:baseAID}
widget_control, base1ID, set_uvalue=info, /NO_COPY

xmanager, 'XWidTest', base1ID, /NO_BLOCK

end

```
