Hello All,

Can anyone give me an working example of how to use CW_FORM?
I've included the test example given in the IDL Reference Vol 1,
page 314, but I can't figure how to get global variables set
from obtaining tag=value pairs in my CW_FORM. When I run my
testform below, my event handler traps the 'OK' correctly,
but fails on trapping the tag 'fsize'. What I want to do is
when 'OK' is pressed, all tag=value pairs get saved in variables
defined in the COMMON block 'params'.

A simple example would be greatly appreciated.

Thank you in advance.

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****testform.pro*****
```
; testform.pro - example using CW_FORM.

PRO testform_Event, event
COMMON params, fsize, fname
COMMON b_ids, b


  IF (event.id EQ b) THEN BEGIN
     PRINT, ' '
     PRINT, 'CW_FORM B is up!'
  ENDIF

  IF (event.quit) THEN BEGIN
      PRINT, 'Button selected: ', event.value
      WIDGET_CONTROL, event.id, /DESTROY
  ENDIF

  CASE event.tag OF

    'OK': begin
      HELP, /STRUCTURE, b
      WIDGET_CONTROL, event.top, /DESTROY
    end
```

```
    'fsize': begin
      ; this doesn't work
      fsize = event.value
      PRINT, 'FSIZE = ', fsize
    end
  ENDCASE

END


PRO testform
COMMON b_ids, b
COMMON params, fsize, fname

; describe my form
DESC = [ $
'0, LABEL, Centered Label, CENTER', $
'1, BASE,, ROW, FRAME', $
'0, BUTTON, B1|B2|B3, LABEL_TOP=Nonexclusive:, COLUMN, TAG=bg1', $
'2, BUTTON, E1|E2|E3, EXCLUSIVE, LABEL_TOP=Exclusive:, COLUMN, TAG=bg2', $
'0, TEXT, , LABEL_LEFT=Enter File name:, WIDTH=12, TAG=fname', $
'0, INTEGER, 0, LABEL_LEFT=File size:, WIDTH=12, TAG=fsize', $
'1, BASE,, ROW', $
'0, BUTTON, OK, QUIT, FONT=*helvetica-medium-r-*-180-*, TAG=OK', $
'2, BUTTON, Cancel, QUIT']

a = WIDGET_BASE(TITLE='Testing IDL forms')

b = CW_FORM(a, desc, /COLUMN)
WIDGET_CONTROL, a, /REALIZE

XMANAGER, 'TESTFORM', a
END
```

Subject: Re: CW_FORM
Posted by promashkin on Tue, 22 Aug 2000 07:00:00 GMT
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Aimy wrote:
>
> I want to create a widget that will allow the user to input several
> strings into various fields, and then have a 'Quit' button that when
> pressed will destroy the widget and retain the inputed values.
>
> Below is my code. So far I am unsuccessful at getting CW_FORM to work. Is
> CW_FORM what I should be using? If so, could anyone tell me what I am
> missing in my code?

>
> I would appreciate any help!!
>
> Thanks,
> Aimy

Aimy,
I am not so sure that you need to be using CW_FORM. It is the most
convoluted program in my opinion that comes with IDL. I would much
rather write what you need in plain widget language.
However, I think the only thing that is wrong in your code is the first
"1". Try the following:
==================
pro CmpndWidget

BaseWidget=WIDGET_BASE(Title='Base')

desc = ['0, TEXT, , LABEL_LEFT=File name:, WIDTH=12, TAG=Name', $
  '0, BUTTON, OK, QUIT, TAG=OK', $
   '2, BUTTON, Cancel, QUIT']

FormWidget=CW_FORM(BaseWidget, desc, /COLUMN)

; Making the widget visible on the screen
WIDGET_CONTROL, /REALIZE, BaseWidget

REPEAT BEGIN
  event=widget_event(BaseWidget)
ENDREP UNTIL (event.quit EQ 1)

print, event.VALUE
end
==================

I am not exactly sure what are you accomplishing with the event handling
that you provided, but the above code works. I guess you could use event
structures from other widgets inside that repeat loop.
If I needed what you need, I'd put together something like:
==================
pro test
base = widget_base(title='Base', /column)
filename = cw_field(base, title='File name:')
ok = widget_button(base, value='OK', uvalue='void')
cancel = widget_button(base, value='Cancel', uvalue='void')
widget_control, base, /realize
end
==================
and provided a conventional event handling procedure managed by Xmanager

for it. Takes about 10 lines of code.
Cheers,
Pavel