
Subject: Re: Interfacing the functions

Posted by [David Fanning](#) on Mon, 08 Apr 2002 14:56:46 GMT

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Akhila (idlfreak@yahoo.com) writes:

- > Thanx for ur help. But its difficult to control all these functions
- > using mouse. I'd like to have buttons and after clicking the button
- > for a particular function, the mouse move or up or down will perform
- > that operation.
- >
- > Eg: When i click on the zoom button, then i'd like to zoom in and out
- > using the mouse up/down/move.
- >
- > Something similar to XOBJVIEW in the lib/utilities. I am not able to
- > comprehend that code. can somebody help me with that or suggest some
- > simpler version.

Oh, dear. Let me try.

You create your four buttons: "Zoom", "Pan", "Adjust", "Next".
The event handler for the buttons sets up the current "mode":

```
PRO Button_Events, event
IF event.select NE 1 THEN RETURN
Widget_Control, event.top, Get_UValue=info, /No_Copy
Widget_Control, event.id, Get_Value=buttonValue
info.currentMode = buttonValue
Widget_Control, event.top, Set_UValue=info, /No_Copy
END
```

You have four different event handler procedures written that do the different functions: "zoom_events", "pan_events", "adjust_events", and "next_events". You already have these event handler procedures written, it sounds like. So you attach a new event handler to the draw widget, call it "draw_widget_events". Its purpose is to call the real event handler based on what mode the program is currently in:

```
PRO Draw_Widget_Events, event
Widget_Control, event.top, Get_UValue=info, /No_Copy
CASE info.currentMode OF
  'Zoom': zoom_events, event
  'Pan': pan_events, event
  'Adjust': adjust_events, event
  'Next': next_events, event
ENDCASE
Widget_Control, event.top, Set_UValue=info, /No_Copy
```

END

It really is about that simple. :-)

Cheers,

David

P.S. But I agree with Mark, this really should be written
as an object. :-)

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