Subject: Re: xmanager to call object methods? Posted by mmiller3 on Wed, 21 Apr 2004 15:16:13 GMT

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>>>> "Oliver" == Oliver Thilmann <justspam03@yahoo.de> writes:
```

- > Hi, is there any generic way to handle events via objects,
- > i.e. make xmanager (or something like it) call an object
- > method instead of a function or procedure?
- > The reason is that in my current design, I use the uvalue
- > of evt.top to store a reference to the object currently
- > handling UI input in the respective window and then call
- > the event-handler of that object from an intermediate
- > function. Alas, that's not possible in all cases. Without
- > going into details: I ended up trying to pull myself out of
- > the swamps by my own hair as Munchhausen did.

There is generic_class_event in the RSI user-contrib lightrary http://www.rsinc.com/codebank/search.asp?FID=209. (and I'll stick a copy below...)

Mike

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;+
; This routine is called when an event occurs in any object-based TLB.
; In turn, the ::EVENT method of the class whose object reference is
; stored in the EVENT.HANDLER's UVALUE is called.
;
; @Param
; Event {in}{required}{type=structure}
; Any sort of IDL GUI event
;
; @Examples
; 
; Widget_Control, TLB, Set_UValue = self, Event_Pro = 'Generic_Class_Event' <br>
; XMANAGER, 'GENERIC_CLASS', TLB
; 
; @History
; June, 2001 : JLP, RSI
```

```
Pro Generic_Class_Event, Event
COMPILE_OPT STRICTARR
Widget_Control, Event.Handler, Get_UValue = oSelf
If (N_elements(oSelf) eq 1) then Begin
If (Obj_Valid(oSelf)) then Begin
;
; A class that uses this routine must have a method
; named "::EVENT".
;
oSelf->Event, Event
EndIf
EndIf
End
```