Rocky Enterprise Linux 9.2 Manual Pages on command 'MenuPopup.3'

$ man MenuPopup.3

XtPopup(3)   XT FUNCTIONS   XtPopup(3)

NAME

   XtPopup, XtPopupSpringLoaded, XtCallbackNone, XtCallbackNonexclusive, XtCallbackExclusive

   - map a pop-up

SYNTAX

   #include <X11/Intrinsic.h>

   void XtPopup(Widget popup_shell, XtGrabKind grab_kind);

   void XtPopupSpringLoaded(Widget popup_shell);

   void XtCallbackNone(Widget w, XtPointer client_data, XtPointer call_data);

   void XtCallbackNonexclusive(Widget w, XtPointer client_data, XtPointer call_data);

   void XtCallbackExclusive(Widget w, XtPointer client_data, XtPointer call_data);

ACTIONS

   void XtMenuPopup(String shell_name);

ARGUMENTS

   call_data Specifies the callback data, which is not used by this procedure.

   client_data

       Specifies the pop-up shell.

   grab_kind Specifies the way in which user events should be constrained.

   popup_shell

       Specifies the widget shell.

   w   Specifies the widget.

DESCRIPTION

   The XtPopup function performs the following:

?   Calls XtCheckSubclass to ensure popup_shell is a subclass of Shell.

?   Generates an error if the shell's popped_up field is already True.

?   Calls the callback procedures on the shell's popup_callback list.

?   Sets the shell popped_up field to True, the shell spring_loaded field to False, and

    the shell grab_kind field from grab_kind.

?   If the shell's create_popup_child field is non-NULL, XtPopup calls it with

    popup_shell as the parameter.

?   If grab_kind is either XtGrabNonexclusive or XtGrabExclusive, it calls:

    XtAddGrab(popup_shell, (grab_kind == XtGrabExclusive), False)

?   Calls XtRealizeWidget with popup_shell specified.

?   Calls XMapWindow with popup_shell specified.

The XtPopupSpringLoaded function performs exactly as XtPopup except that it sets the shell

spring_loaded field to True and always calls XtAddGrab with exclusive True and

spring_loaded True.

The XtCallbackNone, XtCallbackNonexclusive, and XtCallbackExclusive functions call XtPopup

with the shell specified by the client data argument and grab_kind set as the name speci?

fies. XtCallbackNone, XtCallbackNonexclusive, and XtCallbackExclusive specify XtGrabNone,

XtGrabNonexclusive, and XtGrabExclusive, respectively. Each function then sets the widget

that executed the callback list to be insensitive by using XtSetSensitive. Using these

functions in callbacks is not required. In particular, an application must provide cus?

tomized code for callbacks that create pop-up shells dynamically or that must do more than

desensitizing the button.

XtMenuPopup is known to the translation manager, which must perform special actions for

spring-loaded pop-ups. Calls to XtMenuPopup in a translation specification are mapped

into calls to a nonexported action procedure, and the translation manager fills in parame?

ters based on the event specified on the left-hand side of a translation.

If XtMenuPopup is invoked on ButtonPress (possibly with modifiers), the translation man?

ager pops up the shell with grab_kind set to XtGrabExclusive and spring_loaded set to

True. If XtMenuPopup is invoked on EnterWindow (possibly with modifiers), the translation

manager pops up the shell with grab_kind set to XtGrabNonexclusive and spring_loaded set

to False. Otherwise, the translation manager generates an error. When the widget is

popped up, the following actions occur:

?   Calls XtCheckSubclass to ensure popup_shell is a subclass of Shell.

- ? Generates an error if the shell's popped_up field is already True.

- ? Calls the callback procedures on the shell's popup_callback list.

- ? Sets the shell popped_up field to True and the shell grab_kind and spring_loaded fields appropriately.

- ? If the shell's create_popup_child field is non-NULL, it is called with popup_shell as the parameter.

- ? Calls:

   XtAddGrab(popup_shell, (grab_kind == XtGrabExclusive), spring_loaded)

- ? Calls XtRealizeWidget with popup_shell specified.

- ? Calls XMapWindow with popup_shell specified.

(Note that these actions are the same as those for XtPopup.) XtMenuPopup tries to find the shell by searching the widget tree starting at the parent of the widget in which it is invoked. If it finds a shell with the specified name in the pop-up children of that par?ent, it pops up the shell with the appropriate parameters. Otherwise, it moves up the parent chain as needed. If XtMenuPopup gets to the application widget and cannot find a matching shell, it generates an error.

SEE ALSO

XtCreatePopupShell(3), XtPopdown(3)

X Toolkit Intrinsics - C Language Interface

Xlib - C Language X Interface

X Version 11   libXt 1.2.1   XtPopup(3)