

## **XtPopdown, XtCallbackPopdown – unmap a pop-up**

```
void XtPopdown(popup_shell)
    Widget popup_shell;
void XtCallbackPopdown(w, client_data, call_data)
    Widget w;
    XtPointer client_data;
    XtPointer call_data;
void MenuPopdown(shell_name)
    String shell_name;
```

*call\_data* Specifies the callback data, which is not used by this procedure.  
*client\_data* Specifies a pointer to the **XtPopdownID** structure.  
*popup\_shell* Specifies the widget shell to pop down.  
*shell\_name* Specifies the name of the widget shell to pop down.  
*w* Specifies the widget.

The **XtPopdown** function performs the following:

- Calls **XtCheckSubclass** to ensure *popup\_shell* is a subclass of **Shell**.
- Checks that *popup\_shell* is currently popped\_up; otherwise, it generates an error.
- Unmaps *popup\_shell*'s window.
- If *popup\_shell*'s *grab\_kind* is either **XtGrabNonexclusive** or **XtGrabExclusive**, it calls **XtRemoveGrab**.
- Sets pop-up shell's *popped\_up* field to **False**.
- Calls the callback procedures on the shell's *popdown\_callback* list.

The **XtCallbackPopdown** function casts the client data parameter to an **XtPopdownID** pointer:

```
typedef struct {
    Widget shell_widget;
    Widget enable_widget;
} XtPopdownIDRec, *XtPopdownID;
```

The *shell\_widget* is the pop-up shell to pop down, and the *enable\_widget* is the widget that was used to pop it up.

**XtCallbackPopdown** calls **XtPopdown** with the specified *shell\_widget* and then calls **XtSetSensitive** to resensitize the *enable\_widget*.

If a shell name is not given, **MenuPopdown** calls **XtPopdown** with the widget for which the translation is specified. If a *shell\_name* is specified in the translation table, **MenuPopdown** tries to find the shell by looking up 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 parent, it pops down the shell; otherwise, it moves up the parent chain as needed. If **MenuPopdown** gets to the application top-level shell widget and cannot find a matching shell, it generates an error.

## **XtCreatePopupShell(3Xt), XtPopup(3Xt)**

*X Toolkit Intrinsics – C Language Interface*  
*Xlib – C Language X Interface*