XtPopdown, XtCallbackPopdown – unmap a pop-up

```c
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:

```c
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*