

Creating a Contextual Menu

You can use the **PopupContextMenu** operation to create a pop-up menu in response to a contextual click (control-click (*Macintosh*) or right-click). You would do this from a window hook function or from the action procedure for a control in a control panel.

In this example, we create a control panel with a list. When the user right-clicks on the list, Igor sends a mouse-down event to the listbox procedure, TickerListProc in this case. The listbox procedure uses the eventMod field of the WMLListBoxAction structure to determine if the click is a right-click. If so, it calls HandleTickerListRightClick which calls PopupContextMenu to display the contextual menu.

```
Menu "Macros"

    "Show Demo Panel", ShowDemoPanel()
End

static Function HandleTickerListRightClick()
    String popupItems = ""
    popupItems += "Refresh;

    PopupContextMenu popupItems
    strswitch (S_selection)
        case "Refresh":
            DoAlert 0, "Here is where you would refresh the ticker list."
            break
    endswitch
End

Function TickerListProc(lba) : ListBoxControl
    STRUCT WMLListBoxAction &lba

    switch (lba.eventCode)
        case 1:                      // Mouse down
            if (lba.eventMod & 0x10)// Right-click?
                HandleTickerListRightClick()
            endif
            break
    endswitch

    return 0
End

Function ShowDemoPanel()
    DoWindow/F DemoPanel
    if (V_flag != 0)
        return 0 // Panel already exists.
    endif

    // Create panel data.
    Make/O/T ticketListWave = {{"AAPL","IBM","MSFT"}, {"90.25","86.40","17.17"}}

    // Create panel.
    NewPanel /N=DemoPanel /W=(321,121,621,321) /K=1
    ListBox TickerList, pos={48,16}, size={200,100}, fSize=12
    ListBox TickerList, listWave=root:ticketListWave
    ListBox TickerList, mode= 1, selRow= 0, proc=TickerListProc
End
```