

This is the standard version of LB Help Search. This version incorporates an index listbox.

A bitmap is used for the help button, but program will substitute a text button if the bitmap is not found in the default directory. You can d/l the bmp file if I did the link thingy correctly.

[help1.bmp](#)

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Here's the listing:

```
' LB Help Search entry
' Author: jaba
' Date: May 5, 2011
'
' History:
' v1.0      May 6, 2011      Submitted
' v1.01     May 6, 2011      Added browser control
' v1.02     May 9, 2011      Added GetModuleFileName$() routine
' v1.03     May 12, 2011     Additional pages added to quick viewer
'                               Some names made more purpose-
descriptive
'
' v1.03b     May 13, 2011     Final Lite version

' v1.03d     May 14, 2011     in progress...added 200px to width for ind
ex listbox (not using)

' v1.03e     May 14, 2011     Alpha version with index listbox (not usin
g)
' v1.03f     May 15, 2011     rebuilt banner; added Help
'                               Submitted May 16, 2011
'
' -- be sure to update ABOUT before Final submission --
'
' This code is free for personal use.

' To protect the rights of others whose code is included, please note
```

following:

```
' You may not republish this code in its current form.
' You may modify this code for your personal use.

' You may publish a modified version of this code under these conditions:
'     1. You have made major changes to the code.
'     2. You give credit to the original authors
'
' Based on a framework provided by Alyce on LB forum.
'
' Some parts taken from entries by others, including
' Alyce, Janet, Stefan, and Gordon.
'
' Thanks to them and others.
'
' This version uses a built-in ATL.DLL browser control
' in addition to the user's default browser.
'
'
' Thanks to Stefan Pendl for API function method to obtain location of
' LB installation directory. This method is more reliable with systems
' running Vista/Win7 than is the StartupDir$ or DefaultDir$ method.
InstallDir$ = GetFolder$(GetModuleFileName$())
HelpDir$ = InstallDir$ + "lb4help\LibertyBASIC_4_web\HTML\"
HelpFileIndex$ = InstallDir$; "lb4help\LibertyBASIC_4.html"

WdoTitle$ = "LB HTML SEARCH"
'List of Quick View pages:
'Quick Start Guide = "libe3mnn.htm"      'amber_menu.htm
'Command Reference = "libe2co3.htm"
'Reserved Word List = "libe6ldg.htm"

Open "atl" For DLL As #atl

CallDLL #atl, "AtlAxWinInit", Ret As long

nomainwin
WindowWidth = 602
WindowHeight = 720
UpperLeftX = DisplayWidth - WindowWidth
```

```
UpperLeftY    = 40
```

```
stylebits #s.head, 0, _WS_BORDER, 0, 0
graphicbox #s.head 1, 1, 594, 33
```

```
'is there a bmp file for help?
if fileExists(DefaultDir$, "Help1.bmp") then
    bmpbutton #s.hlp "Help1.bmp", [help], UL, 550, 10
else
    button #s.hlp "?", [help], UL, 550, 10
end if
```

```
textbox #s.term 10, 40, 320, 25
button #s.content
"Contents / Open Browser", [openContentsPage], UL, 421, 40, 160, 25
button #s.default "Find", [findPages], UL, 337, 40, 77, 25
```

```
listbox #s.pages, found$(), [
displaySelectedPage], 10, 70, 410, 160
checkbox #s.qv,
"Check to open in Quick Viewer", [setChk], [resetChk], 10, 235, 200,
20
```

```
ListboxColor$ = "buttonface"
stylebits #s.index, _WS_HSCROLL, 0, 0, 0
listbox #s.index, index$(), [pickBox], 421, 70, 160, 592
```

```
statictext #s.heading "Quick Viewer", 10, 269, 90, 20
button #s.quick "Quick Start Guide", [quickButton], UL, 100,
260, 98, 25 'points to libe3mnn.htm
button #s.commands "Command Reference", [
commandsButton], UL, 205, 260, 115, 25 'points to libe2co3.htm
button #s.reserve "Reserved Words", [reservedButton], UL, 325,
260, 95, 25 'points to libe6ldg.htm
```

```
stylebits #s.resource, 0, _WS_BORDER, 0, 0
graphicbox #s.resource 10, 290, 410, 370
'container for browser control
```

```
statictext #s.status, "Right-
click browser window for BACK/FORWARD.", 10, 668, 410, 20
```

```
open wdoTitle$ for dialog_nf as #s
#s "trapclose [quit]"
```

```
#s.index "singleclickselect"
#s.pages "singleclickselect"
#s.qv "set" :chkSet = 1

#s "font ms_sans_serif 9"
#s.content "!font ms_sans_serif 9"
#s.heading "!font ms_sans_serif 9 bold"
#s.status  "!font arial 7"
#s.qv      "font arial 7"

'color the banner
#s.head "fill "; "buttonface"
#s.head "down; place 0 27; color 88 66 55; bgcolor buttonface"
#s.head "\    LB Help Search Challenge"
#s.head "flush"

#s.term " Type search term... "

'display Quick Start Guide in browse control
QuickViewPage$ = "libe3mnn.htm"
call createBrowseControl HelpDir$, QuickViewPage$, hFlag
#s.term "!setfocus"
#s.term "!selectall"

dim info$(10,10)
files HelpDir$, "*.htm", info$()

numFiles = val(info$(0,0))

'load index array
dim index$(numFiles)
scan
for i = 1 to numFiles
    open HelpDir$ + info$(i,0) for input as #file
        txt$ = INPUT$(#file, lof(#file))
        index$(i) = GetTitle$(txt$); chr$(0); info$(i,0)
    close #file
next i

sort index$(), 1, numFiles
#s.index "reload"

gosub [hint]    '<--- Comment out when no longer needed.
wait
```

[dummy]

```
wait

[setChk]
#s.qv "set"
chkSet = 1
wait

[resetChk]
#s.qv "reset"
chkSet = 0
wait

[quickButton]
QuickViewPage$ = "libe3mnn.htm"
call createBrowseControl HelpDir$, QuickViewPage$, hFlag
wait

[commandsButton]
QuickViewPage$ = "libe2co3.htm"
call createBrowseControl HelpDir$, QuickViewPage$, hFlag
wait

[reservedButton]
QuickViewPage$ = "libe6ldg.htm"
call createBrowseControl HelpDir$, QuickViewPage$, hFlag
wait

[findPages]
#s.term "!contents? term$"
if term$ = "" then
    redim found$(1)
    #s.pages "reload"
    wait
end if

dim found$(numFiles)

for i = 1 to numFiles

    open HelpDir$ + info$(i,0) for input as #file
    txt$ = INPUT$(#file, lof(#file))

    if instr(txt$, term$) >0 then
        found$(i) = GetTitle$(txt$); chr$(0); info$(i,0)
        #s.pages "reload"
    end if
end for
```

```
        end if
    close #file

next
wait

[openContentsPage]
    'open user's default browser
    run
    "rundll32.exe url.dll,FileP
rotocolHandler "; chr$(34); HelpFileIndex$; chr$(34)

    #s.term "!setfocus"
    wait

[displaySelectedPage]
    #s.pages "selection? FileName$"
    FileName$ = word$(FileName$, 2, chr$(0))

    if chkSet = 0 then
        'open in user's default browser or new tab
        run
        "rundll32.exe url.dll,FileP
rotocolHandler "; chr$(34); HelpDir$; FileName$; chr$(34)
    else
        call createBrowseControl HelpDir$, FileName$, hFlag
    end if
    wait

[pickBox]
    #s.index "selection? qvp$"
    qvp$ = word$(qvp$, 2, chr$(0))
    call createBrowseControl HelpDir$, qvp$, hFlag
    wait

[help]
    WindowWidth = 400
    WindowHeight = 270
    statictext #h.hlp "", 10, 10, 390, 250
    open "How to use" for window as #h
    #h "trapclose [noMoreh]"
    hlpwdoOpen = 1
    gosub [printHlp]
    wait
    [noMoreh]
    close #h
```

```
hlpwdoOpen = 0
wait
```

```
[quit]
  close #s
  close #atl
  if hlpwdoOpen = 1 then close #h :hlpwdoOpen = 0
end
```

```
'XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXSUBS AND FUNCTIONS
```

```
'credit: Alyce's entry.
```

```
'extract title from html text
```

```
function GetTitle$(s$)
  marker1=instr(upper$(s$), "<A NAME=")
  marker1=instr(upper$(s$), "<B>",marker1)+3
  marker2=instr(upper$(s$), "</B>", marker1)
  lenTitle=marker2-marker1
  GetTitle$=mid$(s$,marker1,lenTitle)
end function
```

```
'borrowed from Stefan Pendl
```

```
'added 5/9/11
```

```
function GetModuleFileName$()
  nSize = _MAX_PATH + 1
  lpFilename$ = space$(nSize); CHR$(0)
  callDll #kernel32, "GetModuleFileNameA",_
    hModule      as uLong,_
    lpFilename$ as ptr,_
    nSize        as uLong,_
    result       as uLong
  if result > 0 then GetModuleFileName$ = trim$(lpFilename$)
end function
```

```
function GetFolder$(Path$)
  pos = 1
  GetFolder$ = Path$
  while pos > 0
    pos = instr(Path$, "\", pos)
    if pos > 0 then
      GetFolder$ = left$(Path$, pos)
      pos = pos + 1
    end if
  wend
end function
```

```
sub createBrowseControl D$, F$, byref hATL
  if hATL then
    CallDLL #user32, "DestroyWindow", _
      hATL As ulong, _
      result As long
    hATL = 0
  end if

  hWndContainer = hWnd(#s.resource) 'graphicbox handle

  CallDLL #user32, "GetWindowLongA", _
    hWndContainer as ulong, _
    _GWL_HINSTANCE as long, _
    hInst as ulong

  ResName$ = D$ + F$

  style = _WS_CHILD or _WS_VISIBLE or _WS_VSCROLL

  CallDLL #user32, "CreateWindowExA", _
    _WS_EX_STATICEDGE As long, _      'extended type
    "AtlAxWin" As ptr, _              'class name
    ResName$ As ptr, _                'resource file name & path
    style As long, _                  'window style
    0 As long, _                      'left x pos
    0 As long, _                      'top y pos
    408 As long, _                    'width
    368 As long, _                    'height
    hWndContainer As ulong, _         'handle of container
    100 As long, _
    'handle to menu or child window ID
    hInst As ulong, _                 'parent instance handle
    0 As long, _                     'window creation data
    hATL As ulong
    'handle of active template library control

end sub

[printHlp]
  ' Help window contents

  hlp$ = "Find button -";chr$(13);_
```



```
;chr$(13);_
    "    Single-
click a re
sult to display the page in your default browser.";chr$(13);_

"    Che
ck the box t
o display results in the Quick Viewer window.";chr$(13);chr$(13);_
    "Contents / Open Browser button -";chr$(13);_

"
Click
button to open your default browser to Table of Contents.";chr$(13);_
    "    Single-
click
    an Indexe
d item in listbox to view it in the Quick Viewer.";chr$(13);chr$(13);_
    "Quick Viewer -";chr$(13);_
    "    Select from the 3 buttons to view a pre-
selected help topic.";chr$(13);chr$(13);_

"
                                ABOUT LB HELP SEARCH";chr$(13);_

"
                                Version 1.03f";chr$(13);_

"
                                May 15, 2011";chr$(13);_
                                "By: jaba"
    print #h.hlp, hlp$
    return

[hint]
    notice "A handy way to browse the results pages...";chr$(13);_

"Enter search term. Check the box to open in Quick Viewer.";chr$(13);_

"Use the arrow keys to advance to the first or next page";chr$(13);_

"in the listbox. Each highlighted page will display in the";chr$(13);_
    "Quick Viewer.";chr$(13);chr$(13);_

"With the checkbox cleared, doing the same thing will open";chr$(13);_
    "in a new tab in your browser. A ctrl-
w will usually close the tab."
    return

function fileExists(path$, filename$)
```

```
files path$, filename$, info$()  
fileExists = val(info$(0, 0))  
end function
```