

This is an updated version of the Assistant edition. It incorporates resizing and fits an 800x600 display, suitable for user's with netbooks.

Link to bitmap for help button.

[help_brown.bmp](#)

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May 31, 2011 - This version is submitted for Challenge judging.

```
' LB Help Search entry
' Author: jaba (JackBurman)
' 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
' v2.0      May 16, 2011     Submitted Assistant version

' v2.0.1    -"-             in progress...added current displayed file
name to status bar

'                                     work on custom window height resizer (not
```

using)

' v2.1.0NB May 19, 2011 Redesigned to fit 800x600 display. Resizable.

```
'
'  things to do:
'  add MRU list in combobox for Find textbox
'  add Favorites
'  decide best use for middle window
'  options
'
' -- 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$; "lb4help\"
ContentsFileName$ = "LibertyBASIC_4.html"

WdoTitle$ = "LB HTML SEARCH ASSISTANT"
  'List of Quick View pages:
  'Table of Contents = "libe3mnn.htm"      'amber_menu.htm
  'Command Reference = "libe2co3.htm"
  'Reserved Word List = "libe6ldg.htm"
  'Text commands     = "libe778l.htm"
  'Graphic commands  = "libe233p.htm"

global wContainer, hContainer

Open "atl" For DLL As #atl

CallDLL #atl, "AtlAxWinInit", Ret As long

nomainwin
[setupGUIWdo]
  WindowWidth  = 800
  WindowHeight = 560
  UpperLeftX   = DisplayWidth - WindowWidth
  UpperLeftY   = 2

'***banner
  graphicbox #s.banner 1, 1, 610, 25
  button #s.content "Open Default Browser", [openBrowser], UL,
610, 0, 146, 25

  '***help button
  'is there a bmp file for help?
  if fileExists(DefaultDir$, "Help_brown.bmp") then
    bmpbutton #s.hlp "Help_brown.bmp", [help], UR, 4, 0
    hBtn = 1
  else
    button #s.hlp "?", [help], UR, 14, 0
    hBtn = 0
  end if

'***Quick Viewer
  graphicbox #s.heading 0, 25, 115, 25
  button #s.toc "LB 4.04 Contents", [tocButton], UL, 0, 50, 115,
25      'points to libe3mnn.htm
  button #s.commands "Command Reference", [
commandsButton], UL, 0, 76, 115, 25      'points to libe2co3.htm
```

```
        button #s.reserve "Reserved Words", [reservedButton], UL, 0,
102, 115, 25          'points to libe6ldg.htm
        button #s.txt "Text Commands", [textButton], UL, 0, 128, 115, 25
          'points to libe778l.htm
        button #s.graph "Graphics Commands", [graphicButton], UL, 0,
154, 115, 25          'points to libe233p.htm
        graphicbox #s.resource 0, 185, 610, 320
'container for browser control
        wContainer = 610
        hContainer = 320

'***notes
        TextboxColor$ = "buttonface"
        graphicbox #s.notes 117, 25, 492, 25
        stylebits #s.middle, _WS_VSCROLL OR _ES_MULTILINE,
        _ES_AUTOHSCROLL, 0, 0
        textbox #s.middle 117, 50, 493, 130

'***search
        TextboxColor$ = "buttonface"
        graphicbox #s.explorer 610, 25, 172, 25
        textbox #s.term 610, 50, 132, 25
        stylebits #s.default, _BS_DEFPUSHBUTTON, 0, 0, 0
        button #s.default "Find", [findPages], UL, 742, 50, 40, 25
        ListboxColor$ = "buttonface"
        listbox #s.pages, found$(), [
displaySelectedPage], 610, 76, 172, 85
        checkbox #s.qvChkbox,
"Check to open in Quick Viewer", [setChk], [resetChk], 614, 165,
180, 18

'***index
        ListboxColor$ = "buttonface"
        stylebits #s.index, _WS_HSCROLL, 0, 0, 0
        listbox #s.index, index$(), [pickBox], 610, 185, 172, 320

'***status bar
        statictext #s.status, "Right-
click browser window for BACK/F
ORWARD.", 10, (WindowHeight - 50), 210, 15
'        statictext #s.htmlName, "", 250, (WindowHeight-45), 210, 15      '1
0, 678, 210, 15
```

```
[openGUIWdo]
    open WdoTitle$ for window as #s
    #s "trapclose [quit]"
    #s.index "singleclickselect"
    #s.pages "singleclickselect"
    #s.qvChkbox "set" :chkSet = 1
    #s "resizehandler [resized]"

    #s          "font ms_sans_serif 9"
    #s.status    "!font arial 7"
'    #s.htmlName$ "!font arial 7"

    'color the banner
    #s.banner "down; fill buttonface"
    #s.banner "place 0 15; color 88 66 55; bgcolor buttonface"
    #s.banner "\  LB Help Search Challenge"
    #s.banner "flush"

    #s.explorer
"fill 88 66 55; color white; bgcolor 88 66 55; down; place 0 15"
    #s.explorer "\  Search results / Index "
    #s.explorer "flush"

    #s.notes
"fill 88 66 55; color white; bgcolor 88 66 55; down; place 0 15"
    #s.notes "\  Clipboard / Notes"
    #s.notes "flush"

    #s.heading
"fill 88 66 55; color white; bgcolor 88 66 55; down; place 0 15"
    #s.heading "\  Quick Viewer"
    #s.heading "flush"

    'display table of contents in browse control
    QuickViewPage$ = "libe3mnn.htm"
    call createBrowseControl HelpFileIndex$, ContentsFileName$, hFlag

    #s.term "!setfocus"

    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.

#s.middle "* * * HINTS * * *";chr$(13);chr$(10);_

"A handy way to browse the results pages...";chr$(13);chr$(10);_

"Enter search term. Check the box to open in Quick Viewer.  ";_

"Use the arrow keys to advance to the first or next page ";_

"in the listbox. Each highlighted page will display in the ";_
    "Quick Viewer.";chr$(13);chr$(10);_

"With the checkbox cleared, doing the same thing will open ";_
    "in a new tab in your browser.  A ctrl-
w will usually close the tab.";chr$(13);chr$(10);_
'        " ";chr$(13);chr$(10);chr$(13);chr$(10);_
'        "This textbox space is a work in progress. Still working
on ";_
'        "ideas for it's use."

wait

[resized]
wWid = WindowWidth
wHig = WindowHeight
upperVert = int(wWid-184) 'upper middle vertical edge

#s.banner    "locate 1 1 "; upperVert-1;" "; 25
#s.content   "!locate "; upperVert;" 0";" 154";" "; 25
'    #s.hlp    "locate "; wWid;" "; 0
#s.explorer  "locate "; upperVert;" 25";" 178";" "; 25
#s.term      "!locate "; upperVert;" 50";" 138";" "; 25
#s.default   "!locate "; upperVert+138;" 50";" 40";" "; 25
```

```
#s.notes      "locate 117 25 "; upperVert-119;" "; 25
#s.middle     "!locate 117 50 "; upperVert-117;" "; 130
#s.pages      "locate "; upperVert;" 76";" 178"; " "; 85
#s.qvChkbox   "locate "; upperVert;" 165";" 178";" "; 18
#s.index      "locate "; upperVert;" 185";" 178"; " "; wHig-210
#s.resource   "locate 0 185 "; upperVert;" "; wHig-210
              wContainer = upperVert
              hContainer = wHig - 212
#s.status     "!locate 10 "; wHig-20;" 210";" "; 15
```

```
if hFlag then
    callDll #user32, "MoveWindow",_
        hFlag As ulong,_
        0 As long,_
        0 As long,_
    wContainer As long,_
    hContainer As long,_
        1 As long,_
    result As void
end if
```

```
#s "refresh"
wait
```

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

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

```
[tocButton]
QuickViewPage$ = "libe3mnn.htm"
call createBrowseControl HelpFileIndex$, ContentsFileName$, hFlag
wait
```

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

```
[reservedButton]
QuickViewPage$ = "libe6ldg.htm"
```

```
call createBrowseControl HelpDir$, QuickViewPage$, hFlag  
wait
```

```
[textButton]
```

```
QuickViewPage$ = "libe7781.htm"  
call createBrowseControl HelpDir$, QuickViewPage$, hFlag  
wait
```

```
[graphicButton]
```

```
QuickViewPage$ = "libe233p.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
```

```
    close #file
```

```
next  
wait
```

```
[openBrowser]
```

```
'open user's default browser  
run
```

```
"rundll32.exe url.dll,FileP  
rotocolHandler "; chr$(34); HelpFileIndex$ +  
ContentsFileName$; chr$(34)  
wait
```

```
'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
```

```
function fileExists(path$, filename$)
    files path$, filename$, info$()
    fileExists = val(info$(0, 0))
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$                    'file to display
cw = hWndContainer
ch = hWndContainer
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
    1 As long, _                      'left x pos
    1 As long, _                      'top y pos
    cw As long, _                     'width
    ch 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

'    #s.htmlName "Help file: "; F$
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);_

```

```
"Open Default Browser button -";chr$(13);_

"
Click
button to open your default browser to Table of Contents.";chr$(13);chr$(13);_
"Index -";chr$(13);_
"  Single-
click
  an Indexed item in listbox to view it in the Quick Viewer.";chr$(13);chr$(13);_
"Quick Viewer -";chr$(13);_
"  Select from the 5 buttons to view a pre-
selected help topic.";chr$(13);chr$(13);_

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

"          Version 2.1.0NB";chr$(13);_

"          May 19, 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
```