

frmFind - 1

Option Explicit

' Need a variable that keeps track of where to

' start the next search

Public startPos As Integer

Public currentSearch As String

Private Sub cmdCancel\_Click()

Unload Me

Me.Hide

End Sub

Private Sub cmdFind\_Click()

' When the find button is clicked, we wish to jump to the

' next instance of the current string in the text

' get a local variable that is the search string

Dim lookingFor As String

lookingFor = txtFind.Text

' Variable to keep track of where this string is

Dim pos As Integer

pos = 0

pos = InStr(startPos, frmMain!txtDocument.Text, lookingFor)

If pos = 0 Then

MsgBox "String not found"

Else

With frmMain!txtDocument

.SelStart = pos - 1

.SelLength = Len(lookingFor)

End With

End If

' set up for find next in case it is used

startPos = pos + Len(lookingFor)

currentSearch = lookingFor

' close down the form

cmdCancel\_Click

End Sub

Private Sub Form\_Load()

' got to set this initially

startPos = 1

End Sub

Public Sub findNext()

' This is a function that will find the next incident of

' the last string searched for

Dim pos As Integer

pos = InStr(startPos, frmMain!txtDocument.Text, currentSearch)

If pos = 0 Then

MsgBox "String not found"

startPos = 1

Else

With frmMain!txtDocument

.SelStart = pos - 1

.SelLength = Len(currentSearch)

End With

End If

' set up for find next in case it is used

startPos = pos + 1

End Sub

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VERSION 5.00

Begin VB.Form frmFind

Caption = "Find - MacPad"  
ClientHeight = 1335  
ClientLeft = 60  
ClientTop = 375  
ClientWidth = 7740  
LinkTopic = "Form1"  
ScaleHeight = 1335  
ScaleWidth = 7740  
StartUpPosition = 3 'Windows Default

Begin VB.TextBox txtFind

Height = 285  
Left = 1560  
TabIndex = 2  
Top = 480  
Width = 4575

End

Begin VB.CommandButton cmdCancel

Caption = "Cancel"  
Height = 375  
Left = 6240  
TabIndex = 1  
Top = 720  
Width = 1215

End

Begin VB.CommandButton cmdFind

Caption = "Find"  
Height = 375  
Left = 6240  
TabIndex = 0  
Top = 240  
Width = 1215

End

Begin VB.Label lblFind

Caption = "Find text"  
Height = 255  
Left = 600  
TabIndex = 3  
Top = 480  
Width = 735

End

End

Find text

Find

Cancel

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Option Explicit

' Global variables

Dim hasFileName As Boolean

Dim currentFileName As String

Dim isModified As Boolean

Private Sub mnuFileNew\_Click()

txtDocument.Text = ""

' Set globals

hasFileName = False

currentFileName = ""

isModified = False

End Sub

Private Sub Form\_Load()

' This is the point at which we should initialise our globals

hasFileName = False

currentFileName = ""

isModified = False

End Sub

Private Sub mnuFileOpen\_Click()

' We will need a variable for the file name

Dim filename As String

Dim fileContents As String

' User will always want to choose the file name

' So we open the common dialog for opening files

codDialog.ShowDialog

' Get the filename the user chose

filename = codDialog.filename

' Set up error handlers

On Error GoTo open\_errors

' Ends procedure if user pressed cancel or did not enter filename

If filename = "" Then

GoTo open\_exit

End If

' Open the file with the chosen name

Open filename For Input As #2 ' This file can be read but not written

' Read the contents of the text field to this file

Input #2, fileContents

txtDocument.Text = fileContents

' Set globals

isModified = False

currentFileName = filename

hasFileName = True

' this section of code will end this sub routine

open\_exit:

Close #2

Exit Sub

open\_errors:

Select Case Err.Number

Case 53 ' File not found error has occurred

MsgBox "That file does not exist"

Case Else

MsgBox "There was an error"

Err.Raise Err

End Select

GoTo open\_exit

' After the error handling, the function will simply end

End Sub

Private Sub mnuFileSave\_Click()

' Whether to save or not depends on the state of the globals

```
' If we have a name and are modified, we can simply save with
' that name
If hasFileName Then
    If isModified Then
        save currentFileName
    Else
        Exit Sub
    End If
Else
    If isModified Then
        ' This file has no name so we need to work as if the
        ' user had pressed "save as"
        mnuFileSaveAs_Click
    Else
        MsgBox "Nothing to save yet"
        Exit Sub
    End If
End If
```

```
End Sub
```

```
Private Sub mnuFileExit_Click()
    ' Close the Program
    End
End Sub
```

```
Private Sub mnuFileSaveAs_Click()
    ' We will need a variable for the file name
    Dim filename As String

    ' User will always want to choose the file name
    ' So we open the common dialog for saving
    codDialog.ShowSave

    ' Get the filename the user chose
    filename = codDialog.filename

    If filename = "" Then
        ' user did not choose a filename
        Exit Sub
    Else
        ' Call the save sub routine with this parameter
        save filename
    End If
End Sub
```

```
Private Sub save(filename As String)
    ' Open file for writing
    Open filename For Output As #1

    ' Write the contents of the text field to this file
    Write #1, txtDocument.Text

    ' Close this file
    Close #1

    ' Set globals
    hasFileName = True
    currentFileName = filename
    isModified = False
End Sub
```

```
Private Sub txtDocument_Change()
    ' When we change the text, the isModified global must
    ' change to reflect the fact that the text has now
    ' been modified
    isModified = True
End Sub
```

```
Private Sub mnuSearchFind_Click()
    frmFind.Show
End Sub
```

```
Private Sub mnuSearchFindNext_Click()
    frmFind.findNext
```

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End Sub

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VERSION 5.00

Object = "{F9043C88-F6F2-101A-A3C9-08002B2F49FB}#1.2#0"; "ComDlg32.ocx"

Begin VB.Form frmMain

Caption = "MacPad"  
ClientHeight = 3375  
ClientLeft = 165  
ClientTop = 780  
ClientWidth = 5715  
LinkTopic = "Form1"  
ScaleHeight = 3375  
ScaleWidth = 5715  
StartUpPosition = 3 'Windows Default

Begin MSComDlg.CommonDialog codDialog

Left = 5160  
Top = 2880  
\_ExtentX = 847  
\_ExtentY = 847  
\_Version = 393216

End

Begin VB.TextBox txtDocument

Height = 3375  
Left = 0  
MultiLine = -1 'True  
ScrollBars = 3 'Both  
TabIndex = 0  
Top = 0  
Width = 5775

End

Begin VB.Menu mnuFile

Caption = "&File"

Begin VB.Menu mnuFileNew

Caption = "&New"

End

Begin VB.Menu mnuFileOpen

Caption = "&Open"

End

Begin VB.Menu mnuFileSave

Caption = "&Save"

End

Begin VB.Menu mnuFileSaveAs

Caption = "Save &As"

End

Begin VB.Menu mnuFileExit

Caption = "E&xit"

End

End

Begin VB.Menu mnuSearch

Caption = "&Search"

Begin VB.Menu mnuSearchFind

Caption = "&Find"

End

Begin VB.Menu mnuSearchFindNext

Caption = "Find &Next"

End

End

End

