

Browse File for Mac

Source: <http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.misc/2006-02/msg03530.html>

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I am trying to make an excel macro that can browse for a file to get the path to the file for copy purposes. I have figured out how to do this on a PC with this code:

Code:

Option Explicit

```
Type thOPENFILENAME
  lStructSize As Long
  hwndOwner As Long
  hInstance As Long
  strFilter As String
  strCustomFilter As String
  nMaxCustFilter As String
  nFilterIndex As Long
  strFile As String
  nMaxFile As Long
  strFileTitle As String
  nMaxFileTitle As Long
  strInitialDir As String
  strTitle As String
  Flags As Long
  nFileOffset As Integer
  nFileExtension As Integer
  strDefExt As String
  lCustData As Long
  lpfnHook As Long
  lpTemplateName As String
End Type
```

```
Declare Function th_apiGetOpenFileName Lib "comdlg32.dll" Alias "GetOpenFileNameA" (OFN As thOPENFILENAME) As Boolean
```

```
Declare Function th_apiGetSaveFileName Lib "comdlg32.dll" Alias "GetSaveFileNameA" (OFN As thOPENFILENAME) As Boolean
```

```
Declare Function CommDlgExtendError Lib "commdlg32.dll" () As Long
```

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```
Private Const thOFN_READONLY = &H1
Private Const thOFN_OVERWRITEPROMPT = &H2
Private Const thOFN_HIDEREADONLY = &H4
Private Const thOFN_NOCHANGEDIR = &H8
Private Const thOFN_SHOWHELP = &H10
Private Const thOFN_NOVALIDATE = &H100
Private Const thOFN_ALLOWMULTISELECT = &H200
Private Const thOFN_EXTENSIONDIFFERENT = &H400
Private Const thOFN_PATHMUSTEXIST = &H800
Private Const thOFN_FILEMUSTEXIST = &H1000
Private Const thOFN_CREATEPROMPT = &H2000
Private Const thOFN_SHAREWARE = &H4000
Private Const thOFN_NOREADONLYRETURN = &H8000
Private Const thOFN_NOTESTFILECREATE = &H10000
Private Const thOFN_NONETWORKBUTTON = &H20000
Private Const thOFN_NOLONGGAMES = &H40000
Private Const thOFN_EXPLORER = &H80000
Private Const thOFN_NODEREFERENCELINKS = &H100000
Private Const thOFN_LONGNAMES = &H200000

Sub AddRosterFromFile()
Dim strFilter As String
Dim lngFlags As Long
Dim FileName As String
strFilter = thAddFilterItem(strFilter, "Excel Files (*.xls)", "*.XLS")
strFilter = thAddFilterItem(strFilter, "All Files (*.*)", "*.*")
FileName = thCommonFileOpenSave(InitialDir:=CurDir(), Filter:=strFilter, FilterIndex:=2, Flags:=lngFlags,
DialogTitle:"File Browser")
If FileName <> "" Then

Dim first, last As Integer

Workbooks.Open FileName:=FileName
Debug.Print Hex(lngFlags)

Sheets("Sheet3").Select
Cells.Select
Selection.Sort Key1:=Range("A2"), Order1:=xlAscending, Header:=xlGuess, _
OrderCustom:=1, MatchCase:=False, Orientation:=xlTopToBottom
Range("A2").Select
Range(Selection, Selection.End(xlToRight)).Select
Range(Selection, Selection.End(xlDown)).Select
Selection.Copy
Windows("Gradebook.xls").Activate
first = ActiveSheet.Range("A65536").End(xlUp).Row + 1
Range("A" & first).Select
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
last = ActiveSheet.Range("A65536").End(xlUp).Row + 1
Windows(Mid(FileName, Len(CurDir()) + 2, Len(FileName) - Len(CurDir()))).Activate
ActiveWindow.Close
```

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```
Windows("Gradebook.xls").Activate
```

```
'Enter sort formulas
```

```
Range("E" & first, "E" & last).Select
```

```
Selection.FormulaR1C1 = "=MID(RC[-2],1,LEN(RC[-2])-5)"
```

```
End If
```

```
End Sub
```

```
Function GetOpenFile(Optional varDirectory As Variant, Optional varTitleForDialog As Variant) As Variant
```

```
Dim strFilter As String
```

```
Dim lngFlags As Long
```

```
Dim varFileName As Variant
```

```
lngFlags = thOFN_FILEMUSTEXIST Or thOFN_HIDEREADONLY Or thOFN_NOCHANGEDIR
```

```
If IsMissing(varDirectory) Then varDirectory = ""
```

```
End If
```

```
If IsMissing(varTitleForDialog) Then varTitleForDialog = ""
```

```
End If
```

```
strFilter = thAddFilterItem(strFilter, "Excel (*.xls)", "*.XLS")
```

```
varFileName = thCommonFileOpenSave(OpenFile:=True, InitialDir:=varDirectory, Filter:=strFilter,  
Flags:=lngFlags, DialogTitle:=varTitleForDialog)
```

```
If Not IsNull(varFileName) Then varFileName = TrimNull(varFileName)
```

```
End If
```

```
GetOpenFile = varFileName
```

```
End Function
```

```
Function thCommonFileOpenSave(Optional ByRef Flags As Variant, Optional ByVal InitialDir As Variant,  
Optional ByVal Filter As Variant, _
```

```
Optional ByVal FilterIndex As Variant, Optional ByVal DefaultEx As Variant, Optional ByVal FileName As  
Variant, _
```

```
Optional ByVal DialogTitle As Variant, Optional ByVal hwnd As Variant, Optional ByVal OpenFile As  
Variant) As Variant
```

```
Dim OFN As thOPENFILENAME
```

```
Dim strFileName As String
```

```
Dim FileTitle As String
```

```
Dim fResult As Boolean
```

```
If IsMissing(InitialDir) Then InitialDir = CurDir
```

```
If IsMissing(Filter) Then Filter = ""
```

```
If IsMissing(FilterIndex) Then FilterIndex = 1
```

```
If IsMissing(Flags) Then Flags = 0&
```

```
If IsMissing(DefaultEx) Then DefaultEx = ""
```

```
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```

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```
If IsMissing(FileName) Then FileName = ""
If IsMissing(DialogTitle) Then DialogTitle = ""
If IsMissing(hwnd) Then hwnd = 0
If IsMissing(OpenFile) Then OpenFile = True

strFileName = Left(FileName & String(256, 0), 256)
FileTitle = String(256, 0)

With OFN
.lStructSize = Len(OFN)
.hwndOwner = hwnd
.strFilter = Filter
.nFilterIndex = FilterIndex
.strFile = strFileName
.nMaxFile = Len(strFileName)
.strFileTitle = FileTitle
.nMaxFileTitle = Len(FileTitle)
.strTitle = DialogTitle
.Flags = Flags
.strDefExt = DefaultEx
.strInitialDir = InitialDir
.hInstance = 0
.lpfHook = 0
.strCustomFilter = String(255, 0)
.nMaxCustFilter = 255
End With

If OpenFile Then
fResult = th_apiGetOpenFileName(OFN)
Else
fResult = th_apiGetSaveFileName(OFN)
End If

If fResult Then
If Not IsMissing(Flags) Then Flags = OFN.Flags
thCommonFileOpenSave = TrimNull(OFN.strFile)
Else
thCommonFileOpenSave = vbNullString
End If

End Function

Function thAddFilterItem(strFilter As String, strDescription As String, Optional varItem As Variant) As String

If IsMissing(varItem) Then varItem = " *.*"
thAddFilterItem = strFilter & strDescription & vbNullChar & varItem & vbNullChar

End Function

Private Function TrimNull(ByVal strItem As String) As String
```

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```
Dim intPos As Integer
intPos = InStr(strItem, vbNullChar)
If intPos > 0 Then
TrimNull = Left(strItem, intPos - 1)
Else
TrimNull = strItem
End If

End Function
```

Anyone know how to do this on a mac, and also how to set it up so it automatically uses the correct one from which operating system is currently running?

John Vickers

John Vickers

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