

Spelling Error Fequency

Source:

<http://www.tech-archive.net/Archive/Word/microsoft.public.word.vba.general/2005-04/msg00130.html>

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 - *Date:* Fri, 1 Apr 2005 20:53:18 -0500
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For those who frequent these NGs regularly you know that I can't spell. Actually I can spell, but I am careless.

I have been monkeying around with some code that will search a document then list alphabetically all misspelled words. I am using my budding but limited knowledge of arrays to sort the list and purge out duplicates so words that are misspelled more than once are only listed once. It works.

I was thinking it would be helpful to determine and list how many times each word was misspelled. I think it would be possible, but I am not sure how I would proceed.

Currently I am comparing each error to the contents of the existing array and if a match occurs I am skipping that error. This way identical misspellings the array only contains one instance of the misspelling. I don't see how I could work a counter into this process.

Maybe if all words where put into the array initially, sorted in then compare the first to the second and if a match occurs delete the first and compare the second to the third until a match doesn't occur then jump up one error and proceed on. This sounds achievable, but I don't know how to do it.

Any thoughts?

Here is the current code:

```
Sub printSpellingErrors()  
Dim arrSpArray() As String  
Dim oSpErrors As ProofreadingErrors  
Dim oSpError As Object  
Dim i As Integer  
Dim oRng As Range  
  
Set oSpErrors = ActiveDocument.Range.SpellingErrors  
If oSpErrors.Count = 0 Then  
MsgBox "The document contains no spelling errors."  
End  
End If
```

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```
ReDim arrSpArray(0)

'Add each error to the array if not a duplicate
For Each oSpError In oSpErrors
'Compare to each exist element in the array
For i = LBound(arrSpArray) To UBound(arrSpArray)
If oSpError = arrSpArray(i) Then
'Skip if already in array
GoTo SkipToNext
End If
Next i
'Otherwise add to array
arrSpArray(UBound(arrSpArray)) = oSpError
'Preserve and resize array for next element
ReDim Preserve arrSpArray(UBound(arrSpArray) + 1)
SkipToNext:
Next oSpError

'Remove last empty element
If UBound(arrSpArray) > 0 Then ReDim Preserve
arrSpArray(UBound(arrSpArray) - 1)

'Pass array to sort
BubbleSort arrSpArray

'Prepare for display
Set oRng = ActiveDocument.Range
oRng.Move
'oRng.Text = vbCr
oRng.InsertBreak wdSectionBreakNextPage
oRng.Move
oRng.Text = "List of Misspelled Words" & vbCr
oRng.Move

i = 0
For i = LBound(arrSpArray) To UBound(arrSpArray)
oRng.Text = arrSpArray(i) & vbCr
oRng.Collapse Direction:=wdCollapseEnd
Next i
'Clip empty paragraph
oRng.Characters.First.Previous.Delete
End Sub
Sub BubbleSort(TempArray As Variant)

Dim Temp As Variant
Dim i As Integer
Dim bolExchange As Integer

Do
bolExchange = False
```

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```
'Loop through each element in the array.  
For i = LBound(TempArray) To UBound(TempArray) - 1  
'If element > next element then exchange the two elements.  
If LCase(TempArray(i)) > LCase(TempArray(i + 1)) Then  
bolExchange = True  
Temp = TempArray(i)  
TempArray(i) = TempArray(i + 1)  
TempArray(i + 1) = Temp  
End If  
Next i  
Loop While bolExchange  
  
End Sub
```

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Greg Maxey/Word MVP

See:

http://gregmaxey.mvps.org/word_tips.htm

For some helpful tips using Word.

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