

Re: Spelling Error Fequency

Source:

<http://www.tech-archive.net/Archive/Word/microsoft.public.word.vba.general/2005-04/msg00143.html>

- *From:* "Jezebel" <warcimes@xxxxxxxxxxxxxxxx>
 - *Date:* Sat, 2 Apr 2005 18:27:56 +1000
-

Answered that on in the other branch of this thread :)

"Greg Maxey" <gmaxey@xxxxxxxxxxxxxxxx> wrote in message news:uQEhtKONFHA.3788@xxxxxxxxxxxxxxxx

> Jezebel,
>
> I copied your code into a new macro. I hit a brick wall with:
>
> Create an class module with properties 'Name' and 'Count'.
>
> I don't know how to do that. It is late and I will have to look harder at
> this tomorrow.
> --
> Greg Maxey/Word MVP
> See:
> http://gregmaxey.mvps.org/word_tips.htm
> For some helpful tips using Word.
>
> Jezebel wrote:
>> Instead of using an array, try using a collection. Create an class
>> module with properties 'Name' and 'Count'. and build a collection of
>> these for the errors you find.
>>
>> Dim oError as clsError
>> Dim colErrors as collection
>>
>> set colErrors = new collection
>>
>> For each oSPError in oSpErrors
>>
>> 'Already in the collection?
>> on error resume next
>> set oError = colErrors(oSPError.Text)
>> on error goto 0
>>

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```
>> 'Not in the collection – new error
>> If oError is nothing then
>> set oError = New clsError
>> oError.Name = oSPError.Text
>> colErrors.Add oError, oError.Name
>> end if
>>
>> 'Increment the count
>> oError.Count = oError.Count + 1
>> set oError = nothing
>>
>> end if
>>
>> 'List the results
>> For each oError in colErrors
>> Debug.Print oError.Name, oError.Count
>> Next
>>
>>
>>
>>
>>
>> "Greg Maxey" <gmaxey@xxxxxxxxxxxxxxxxxxxx> wrote in message
>> news:uUPa8ayNFHA.2392@xxxxxxxxxxxxxxxxxxxxxxxx
>>> 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 were 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:
```

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```
>>> 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
>>>
>>> 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
```

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```
>>> 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
>>> '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
>>>
>>>
>>>
>>>
>>>
>>> ---
>>> Greg Maxey/Word MVP
>>> See:
>>> http://gregmaxey.mvps.org/word\_tips.htm
>>> For some helpful tips using Word.
>
>
```

- *Follow-Ups:*

- ◆ **Re: Spelling Error Fequency**
 - ◇ From: Greg Maxey

- *References:*

- ◆ **Spelling Error Fequency**
 - ◇ From: Greg Maxey
- ◆ **Re: Spelling Error Fequency**

Re: Spelling Error Fequency

◇ *From:* Jezebel

◆ ***Re: Spelling Error Fequency***

◇ *From:* Greg Maxey

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