'CPSC 203 Assignment #3 L04 Tutorial #6

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'Feature #1 Search and replace style for all (Heading 1 to Normal) : Completed Version: 24/06/2018

'Feature #2 Count number of Spelling mistakes and display in msgBox : Completed Version: 24/06/2018

'Feature #3 REJECTED, NEUTRAL, SUPERIOR written on top with red font, based on if conditions : Completed Version: 25/06/2018

'Feature #4 Closes document and saves without prompting user : Completed Version: 26/06/2018

'Feature #5 All above feature done to all other file in directory, done in ifs nested in a loop : Completed Version: 28/06/2018

Option Explicit

'Some code formate/structure have been implemented from previously made code

'These Codes can be found in the cpsc 203 library of code examples and lecture notes

'Code used for this assignment, vba2 examples 28processAllFolderWordDocuments Author: James Tam

'Version: November 9, 2017

Sub assingmentMacros()

' Variables defined to be used to store entities

Const counterStarter As Long = 0 'Constant made for starter of counter

Const spellingCutoff As Long = 0 'Constant made for cut off of spelling

Dim counterOfOccurence As Long 'Counter for the word occurence of user input

Dim wordOfOccurence As String 'Word input from user

Dim folderName As String 'Folder name from user input

Dim currentFile As String 'Current file selected from the folder

Dim currentMacroFileName As String 'This current file with macros

folderName = InputBox("Specify path to a folder name e.g. C:\temp\") 'Input taken from user for Folder name

currentFile = Dir(folderName & "\*.doc\*") 'Get the first file in that folder

currentMacroFileName = ActiveDocument.Name 'Getting current file with macros name

'File and path empty, don't bother trying location

If (folderName = "") Then

MsgBox ("You entered an empty path & foldername")

'File and path not empty, try to find

Else

'Output current file that being proccessed

MsgBox ("Current file: " & currentFile & " in " & folderName)

'As long as there is another document in the folder repeat loop

Do While (currentFile <> "")

wordOfOccurence = "" 'Initialized variables

counterOfOccurence = counterStarter

Documents.Open (folderName & currentFile) 'Opening current document being proccess

With ActiveDocument.Content.Find 'Feature #1 is being implemented

.Style = "Heading 1" 'Heading 1 is being replaced by Normal

With .Replacement

.Style = "Normal"

End With

.Execute Replace:=wdReplaceAll 'Replace all instances

End With

MsgBox ("Amount of spelling mistakes: " & ActiveDocument.SpellingErrors.Count)

If (ActiveDocument.SpellingErrors.Count > spellingCutoff) Then

'Writing REJECTED with red font size 14 in the begining of the document

Selection.HomeKey Unit:=wdStory

Selection.Font.Size = 14

Selection.Font.ColorIndex = wdRed

Selection.Font.Bold = True

Selection.TypeText ("REJECTED" & Chr(11))

Else

'Getting user input for string(word) to be look up in the document to be counted

wordOfOccurence = InputBox("What word do you want to count?", "Word Occurence")

With ActiveDocument.Content.Find

Do While .Execute(FindText:=wordOfOccurence, Forward:=True, MatchWholeWord:=True) = True

counterOfOccurence = counterOfOccurence + 1

Loop

End With

'Output with msgBox the number of occurences of user input string

MsgBox ("Number of occcurence of that word is: " & counterOfOccurence)

If (counterOfOccurence = 0) Then

'Writing NEUTRAL with red font size 14 in the begining of the document

Selection.HomeKey Unit:=wdStory

Selection.Font.Size = 14

Selection.Font.ColorIndex = wdRed

Selection.Font.Bold = True

Selection.TypeText ("NEUTRAL" & Chr(11))

Else

'Writing SUPERIOR with red font size 14 in the begining of the document

Selection.HomeKey Unit:=wdStory

Selection.Font.Size = 14

Selection.Font.ColorIndex = wdRed

Selection.Font.Bold = True

Selection.TypeText ("SUPERIOR" & Chr(11))

End If

End If

'Changing font details back to normal

Selection.Font.Size = 12

Selection.Font.ColorIndex = wdBlack

Selection.Font.Bold = False

'If the current macro file is being proccessed

'Then Don't close it yet

'As it gets closed at the end it saves as well

If (currentMacroFileName <> ActiveDocument.Name) Then

ActiveDocument.Close (wdSaveChanges)

End If

currentFile = Dir 'Move onto the next file in that folder

Loop 'Loop back to Do while

ActiveDocument.Close (wdSaveChanges) 'Close last document and save without prompt

End If 'End if statement

End Sub 'End Subroutine