' Definitions of any constants used throughout the code
Const C_UPPER As String = "C"
Const C_LOWER As String = "c"
Const FIND_STR As String = "ei"
Const REPLACE_STR As String = "ie"

' Exit button
Private Sub btnExit_Click()
    Unload Form1
End Sub

' Clear button - reset the input and output textboxes
Private Sub btnClear_Click()
    txtInput.Text = vbNullString
    txtOutput.Text = vbNullString
End Sub

' "Check and Correct" button - perform all the work here
Private Sub btnCheck_Click()
' Extract portion of string before the occurrence of "ei"
' e.g., from beginning of string to the occurrence of "c" before "ei"
firstHalf = Mid(inputStr, 1, position - 1)

' Replace the "ei" with "ie" and extract everything to the left
' of "ie" including "ie" itself
secondHalf = Replace(inputStr, FIND_STR, REPLACE_STR, position, 1)

' catenate the two "halves"
inputStr = firstHalf + secondHalf
End If
End If

' Check for the next occurrence of "ei" starting at the next position
position = position + 1
Loop

'Display corrected string
txtOutput.Text = inputStr
End Sub