# How to check the spelling in ASP.NET Text Box

## Introduction

The project illustrates how to check if the spelling in **Text Box** is correct or not. This sample code checks the user's input wordsvia MS Word **Check Spelling** component.

## Building the Sample

Please follow the demonstration steps below.

Step 1: Open the project.

Step 2: Expand the CS/VBASPNETCheckSpellingWritten web application and press Ctrl + F5 to show the Default.aspx.

Step 3: We will see a Text Box control on the page. You can press the "Check" Button to check misspelled words in a Text Box directly or you can also input some other words and then click “Check”.

Step 4: The code-sample will show a dialog of your text, please choose the correct word from the recommended word list or input a word by yourself instead.

Step 5: If everything is fine, close the dialog and you will find your text has been modified.

Step 6: Validation finished.

## Using the Code

Add the code as shown below in button's Click event.

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| --- |
| -Code block start-  --C# code snippet start--  if (applicationWord != null)  {  return;  }  applicationWord = new Microsoft.Office.Interop.Word.Application();  int errors = 0;  if (tbInput.Text.Length > 0)  {  object template = Missing.Value;  object newTemplate = Missing.Value;  object documentType = Missing.Value;  object visible = true;  // Define a MS Word Document, then we use this document to calculate the quantity of errors and  // invoke the document's CheckSpelling method.  Microsoft.Office.Interop.Word.\_Document documentCheck = applicationWord.Documents.Add(ref template,  ref newTemplate, ref documentType, ref visible);  applicationWord.Visible = false;  documentCheck.Words.First.InsertBefore(tbInput.Text);  Microsoft.Office.Interop.Word.ProofreadingErrors spellErrorsColl = documentCheck.SpellingErrors;  errors = spellErrorsColl.Count;  object optional = Missing.Value;  documentCheck.Activate();  documentCheck.CheckSpelling(ref optional, ref optional, ref optional, ref optional, ref optional, ref optional,  ref optional, ref optional, ref optional, ref optional, ref optional, ref optional);  documentCheck.LanguageDetected = true;  // When users close the dialog, the error messages will be displayed.  if (errors == 0)  {  lbMessage.Text = "No errors";  }  else  {  lbMessage.Text = "Total errors num:" + errors;  }  // Replace misspelled words in the TextBox.  object first = 0;  object last = documentCheck.Characters.Count - 1;  tbInput.Text = documentCheck.Range(ref first, ref last).Text;  }  object saveChanges = false;  object originalFormat = Missing.Value;  object routeDocument = Missing.Value;  ((\_Application)applicationWord).Quit(ref saveChanges, ref originalFormat, ref routeDocument);  applicationWord = null;  --C# code snippet end--  --VB code snippet start--  ' Prevent multiple checker window.  If applicationWord IsNot Nothing Then  Return  End If    applicationWord = New Microsoft.Office.Interop.Word.Application()  Dim errors As Integer = 0  If tbInput.Text.Length > 0 Then  Dim template As Object = Missing.Value  Dim newTemplate As Object = Missing.Value  Dim documentType As Object = Missing.Value  Dim visible As Object = True    ' Define a MS Word Document, we use this document to calculate the quantity of errors and  ' invoke the document's CheckSpelling method.  Dim documentCheck As Microsoft.Office.Interop.Word.\_Document =  applicationWord.Documents.Add(template, newTemplate, documentType, visible)  applicationWord.Visible = False  documentCheck.Words.First.InsertBefore(tbInput.Text)  Dim spellErrorsColl As Microsoft.Office.Interop.Word.ProofreadingErrors = documentCheck.SpellingErrors  errors = spellErrorsColl.Count    Dim [optional] As Object = Missing.Value  documentCheck.Activate()  documentCheck.CheckSpelling([optional], [optional], [optional], [optional], [optional], [optional], \_  [optional], [optional], [optional], [optional], [optional], [optional])  documentCheck.LanguageDetected = True      ' When users close the dialog, the error messages will be displayed.  If errors = 0 Then  lbMessage.Text = "No errors"  Else  lbMessage.Text = "Total errors num:" & errors  End If    ' Replace error words of TextBox.  Dim first As Object = 0  Dim last As Object = documentCheck.Characters.Count - 1  tbInput.Text = documentCheck.Range(first, last).Text  End If    Dim saveChanges As Object = False  Dim originalFormat As Object = Missing.Value  Dim routeDocument As Object = Missing.Value  DirectCast(applicationWord, \_Application).Quit(saveChanges, originalFormat, routeDocument)  applicationWord = Nothing  --VB code snippet end--  -Code block end- |

## More Information

MSDN: [Microsoft.Office.Interop.Word](http://msdn.microsoft.com/en-us/library/microsoft.office.interop.word(office.11).aspx)

MSDN: [Application Interface](http://msdn.microsoft.com/en-us/library/microsoft.office.interop.word.application(office.11).aspx)

MSDN: [Document Interface](http://msdn.microsoft.com/en-us/library/microsoft.office.interop.word.document(office.11).aspx)