

A day with .Net

My day to day experience in .net

Posts Tagged 'Interop word template'

Create a Word Document From a Template using c# (Mail Merge)

Posted by vivekcek on August 25, 2012

I want to create a word document from a word template. The advantage of using template is, we can define a structure for the document and decorate it with dynamic text.

Software's Used

1. Word 2007.
2. Visual Studio 2010

Library used

1. Microsoft Word 12.0 Object Library

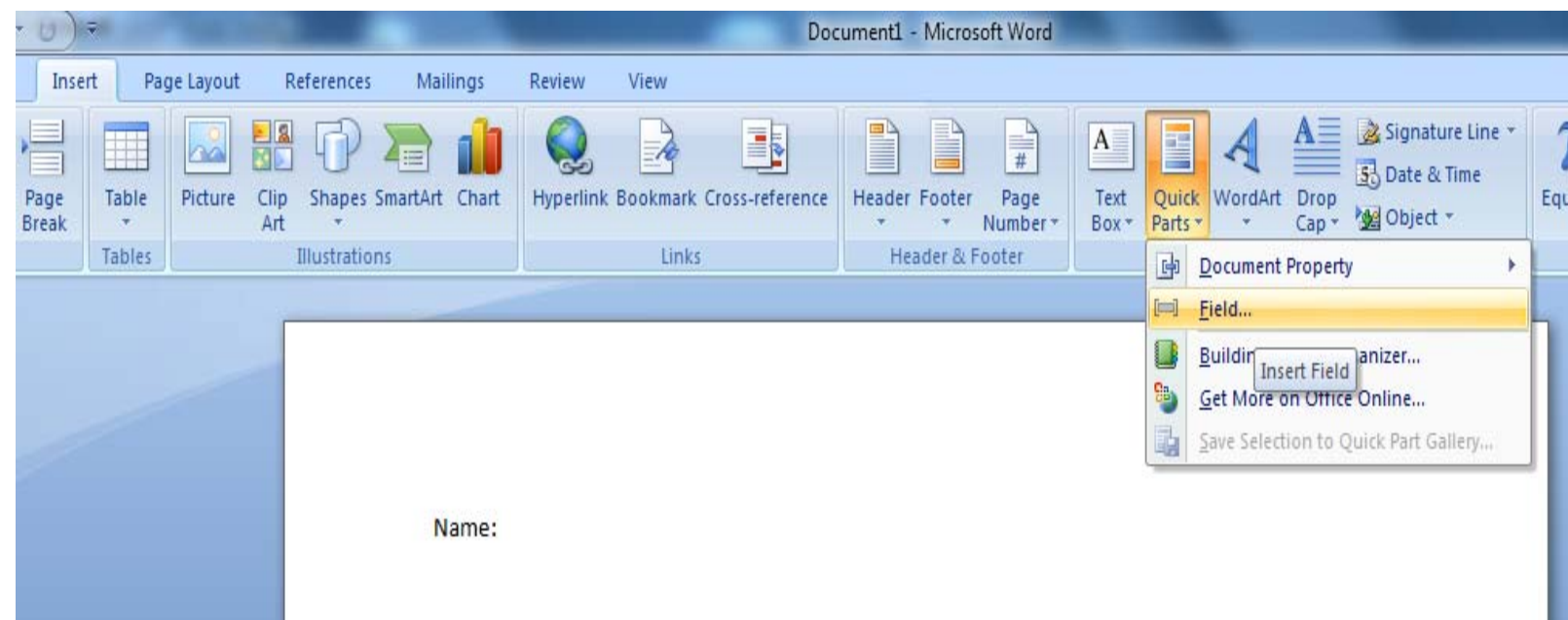
Steps

1. Create a Word Template.
2. Create a console application using VS 2010.
3. Add reference to Microsoft Word 12.0 Object Library.
4. Enjoy 😊

1. Create a Word Template.

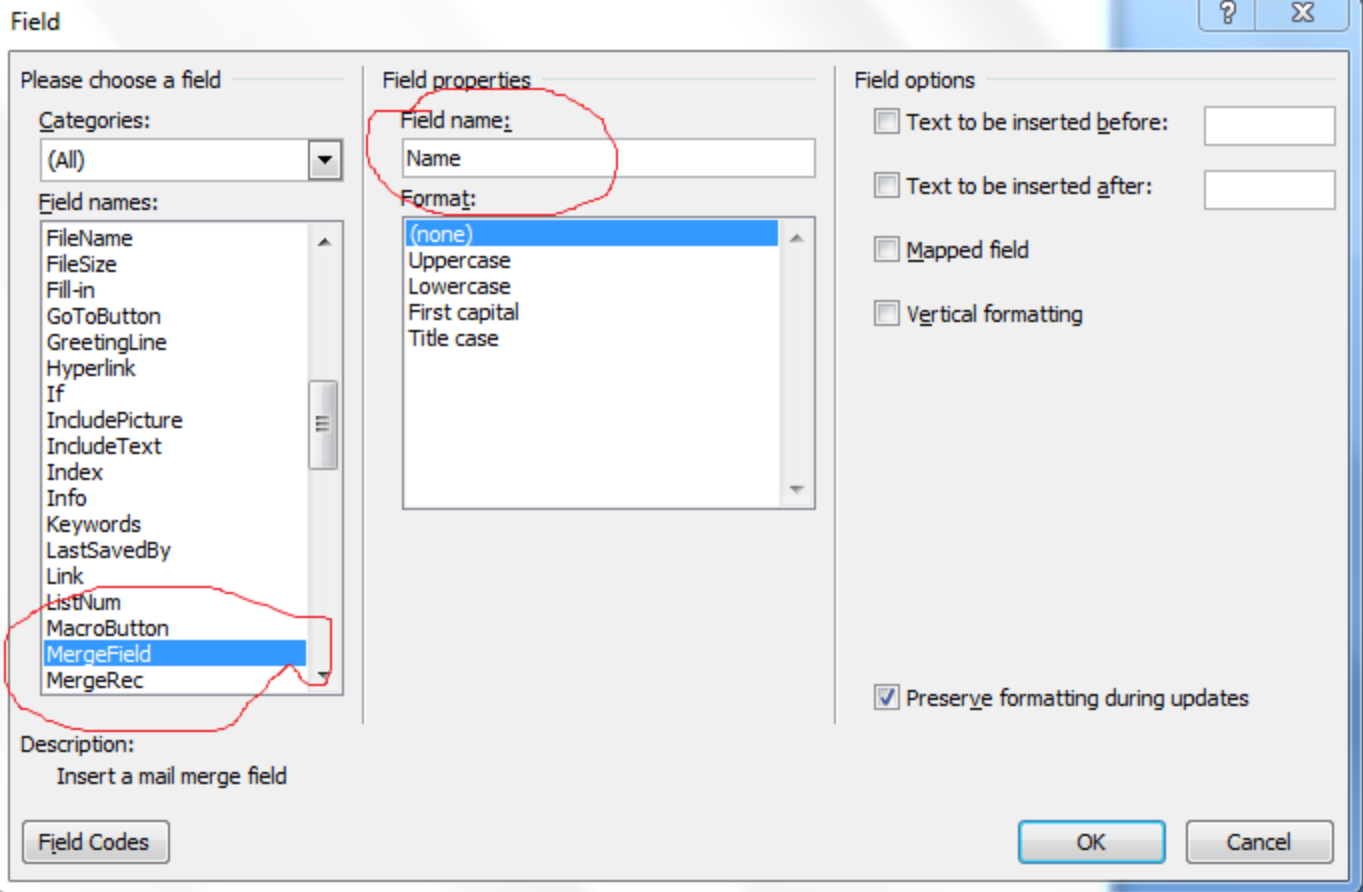
Word templates are created using MergeField's in word.

- a. Open a new Word 2007
- b. Type "Name:", Where 'Name:' is just a label.
- c. Now we need to insert a MergeField right to our label 'Name:'
- d. Place cursor on the right of our label.
- e. Select insert tab in word.
- f. Select Quick Parts. Then Field.



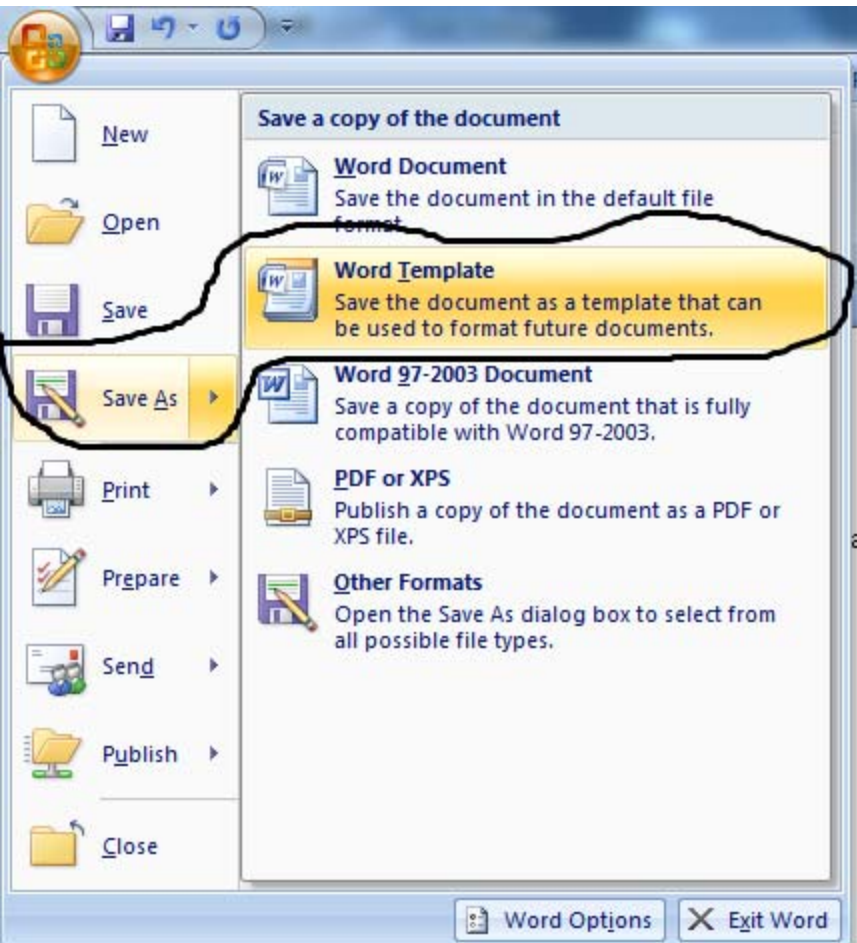
(<https://vivekcek.files.wordpress.com/2012/08/1.png>).

- g. Select field category as MergeField. Give the MergeField name as 'Name'.



(<https://vivekcek.files.wordpress.com/2012/08/2.png>).

h. Save the document as WordTemplate.



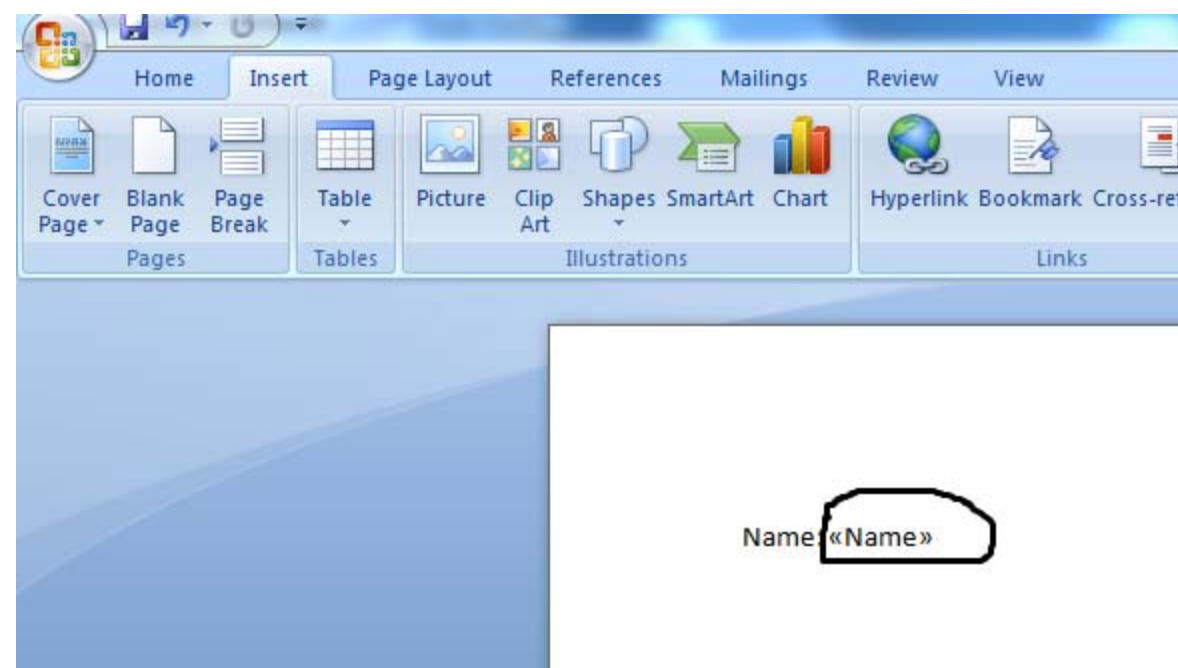
(<https://vivekcek.files.wordpress.com/2012/08/4.png>).

Now our Template contains.

Name: «Name»

The field inside <> is our merge Field. We will replace that field through code to create a new word document.

* Note the extension of our template will be .dotx(MyTemplate.dotx)

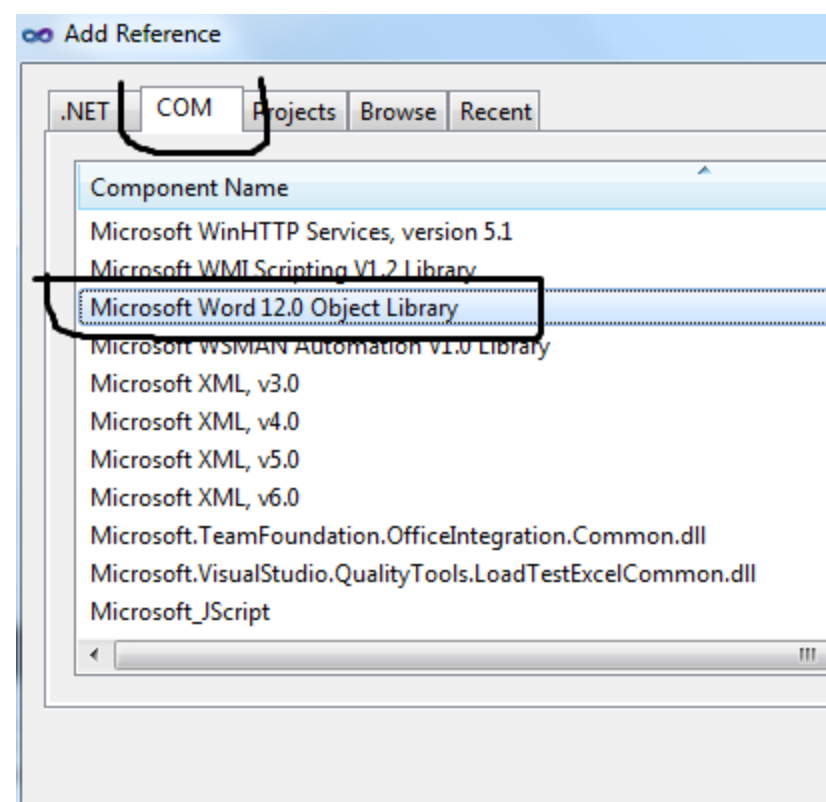


(<https://vivekcek.files.wordpress.com/2012/08/3.png>).

2. Create a console application using VS 2010.

a. Create a console application.

b. Add reference to Microsoft Word 12.0 Object Library.



(<https://vivekcek.files.wordpress.com/2012/08/6.png>).

c. Add NameSpace "using Microsoft.Office.Interop.Word;"

d. The Final document will be save in MyDocuments.

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using Microsoft.Office.Interop.Word;
6  namespace WordAuto
7  {
8      class Program
9      {
10         static void Main(string[] args)
11         {
12             //OBJECT OF MISSING "NULL VALUE"
13
14             Object oMissing = System.Reflection.Missing.Value;
15
16             Object oTemplatePath = "D:\\MyTemplate.dotx";
17
18
19             Application wordApp = new Application();
20             Document wordDoc = new Document();
21
22             wordDoc = wordApp.Documents.Add(ref oTemplatePath, ref oMissing, ref oMi
23
24             foreach (Field myMergeField in wordDoc.Fields)
25             {
26
27
28                 Range rngFieldCode = myMergeField.Code;
29
30                 String fieldText = rngFieldCode.Text;
31
32
33
34                 // ONLY GETTING THE MAILMERGE FIELDS
35
36                 if (fieldText.StartsWith(" MERGEFIELD"))
37                 {
38
39                     // THE TEXT COMES IN THE FORMAT OF
40
41                     // MERGEFIELD MyFieldName \\* MERGEFORMAT
42
43                     // THIS HAS TO BE EDITED TO GET ONLY THE FIELDNAME "MyFieldName"
44
45                     Int32 endMerge = fieldText.IndexOf("\\");
46
47                     Int32 fieldNameLength = fieldText.Length - endMerge;
48
49                     String fieldName = fieldText.Substring(11, endMerge - 11);
50
51                     // GIVES THE FIELDNAMES AS THE USER HAD ENTERED IN .dot FILE
52
53                     fieldName = fieldName.Trim();
54
55                     // **** FIELD REPLACEMENT IMPLEMENTATION GOES HERE ****//
56
57                     // THE PROGRAMMER CAN HAVE HIS OWN IMPLEMENTATIONS HERE
58
59                     if (fieldName == "Name")
60                     {
```

```
61
62         myMergeField.Select();
63
64         wordApp.Selection.TypeText("Vivek");
65
66     }
67
68 }
69
70 }
71 wordDoc.SaveAs("myfile.doc");
72 wordApp.Documents.Open("myFile.doc");
73 wordApp.Application.Quit();
74 }
75 }
76 }
```

DOWNLOAD SOURCE

<http://sdrv.ms/NQmKeD> (<http://sdrv.ms/NQmKeD>)

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