

Doug's Coding Standards

Why work to standards?

- Your organization requires it
- Maintainability
- Error reduction
- Readability

Naming conventions (the standard for Access - Hungarian Notation, Reddick, Leszynski)

References

- Corporate VBA Standards - <http://www.exceluser.com/explore/vbastds.htm>
- Visual Basic Coding Standards - http://en.wikibooks.org/wiki/Programming:Visual_Basic_Classic/Coding_Standards
- An Access 2007 add-in that applies the Leszynski Naming Convention to database objects - <http://www.helenfeddema.com/CodeSamples.htm>
- Access Developers Handbook, Lytwin, Getz et al

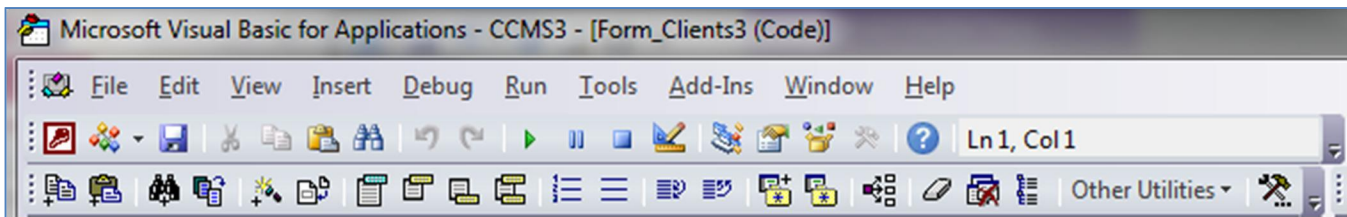
I use a simplification of the above

- Prefix all Access objects, e.g., tbl for table, qry for query, txt for text box, etc.
- Prefix all code objects with types. Don't typically put scope in my variable prefixes.

Documentation

- I try to put the majority of my code documentation in my code.
- My tool for this is MZTools - <http://www.mztools.com/index.aspx>
 - Module headers to document purpose and change history
 - Routine headers to document purpose and change history
 - Inline dated comments.
- For project documentation I use TreePad - <http://www.treepad.com/>

MZTools toolbar



Typical Module header

```
'-----  
' Module      : Form_Clients3  
' DateTime   : 1/15/2009 17:13  
' Author      : Doug  
' Purpose     :  
' Modified on 1/15/2009 modified routines StatusCheck() and valdiateactivedateccms()  
'-----  
Option Compare Database  
Option Explicit
```

MZTools created subroutine with header and error handler

```
'-----  
' Procedure  : Test  
' Author     : Doug  
' Date       : 3/20/2012  
' Purpose    :  
'-----  
'  
Public Sub Test(sTest)  
    On Error GoTo Test_Error  
|  
Test_Exit:  
    On Error GoTo 0  
    Exit Sub  
Test_Error:  
    MsgBox "Error " & Err.Number & " (" & Err.Description & " at Line Number = " & Erl & ") in procedure Test"  
    Resume Test_Exit:  
    Resume  
End Sub
```

MZTools error handler and comment templates

Error handler

```
On Error GoTo {PROCEDURE_NAME}_Error
    {PROCEDURE_BODY}
{PROCEDURE_NAME}_Exit:
On Error GoTo 0
Exit {PROCEDURE_TYPE}
{PROCEDURE_NAME}_Error:
    MsgBox "Error " & Err.Number & " (" & Err.Description & " at Line Number = " & Erl & ")
in procedure {PROCEDURE_NAME}
Resume {PROCEDURE_NAME}_Exit:
Resume
```

Comment

```
'      Modification - {DATE} –
```

TreePad Plus

The screenshot shows the TreePad Plus application window. On the left is a file tree with folders like 'Code', 'Access', 'ADO.NET', 'ASP', 'ASP.NET', 'AZURE', 'Barcode', 'DNN Info', 'Excel', 'Google Chrome', 'IIS 7', 'Internet problems', 'JavaScript', 'jQuery', 'Networking', 'Regular Expressions', 'SQL Server', 'Tablet PC', 'VB.NET', 'VBA', 'vbscript', 'Virtual Machines', 'Visual Studio 2010', 'Web Pages', 'Windows 7', and 'Windows task scheduler'. The 'AZURE' folder is expanded, showing sub-folders like 'Set up SQL AZURE Server', 'work with sql Azure', 'Connect to database with SSMO', and 'Create table from script'. The main area displays a web page titled '1. 11/17/11 Set up trial AZURE account' and '2. Following is the logon screen when first logged in'. The page content includes a 'Getting Started' section with three main tasks: 'Create a new Windows Azure Subscription', 'Create a new SQL Azure Server', and 'Create a new SQL Azure Database'. A 'Create Server' dialog box is overlaid on the page, titled 'Create a new server', with the text: 'This wizard will guide you through the specific tasks to create your SQL Azure server and to prepare it for use. Choose the subscription under which your new server should be created. Subscription: Subscription-1'. The dialog box has buttons for 'Article', 'History', 'SearchR', 'BkMarks', and 'Icons'. The status bar at the bottom shows 'RTF Ln 1 Col 1 Insert Set up SQL AZURE Server | File: I:\My Documents\TreePad\Code.htj'.