Class Connections

Public objConnection, objRecordSet

Private Sub Class\_Initialize

'This code will execute automatically when a class object is created

'Establishing a Database Connection using ADODB Connection Object

Set objConnection = CreateObject("ADODB.Connection")

Set objRecordSet = CreateObject("ADODB.Recordset")

End Sub

Public Function fnConnectToXL(strXLFilePath)

str\_ConnectionProvider = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=" + strXLFilePath + ";Extended Properties=""Excel 12.0 Xml;HDR=YES;IMEX=1"";"

objConnection.Open str\_ConnectionProvider

fnConnectToXL = objConnection

End Function

Public Function fnConnectToIOXL(strXLFilePath, TS\_Name)

strXLFilePath = Replace(strXLFilePath, "TestSuite.xlsm", TS\_Name & "\_IO.xlsx")

str\_ConnectionProvider = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=" + strXLFilePath + ";Extended Properties=""Excel 12.0 Xml;HDR=YES;IMEX=1"";"

objConnection.Open str\_ConnectionProvider

fnConnectToIOXL = objConnection

End Function

Public Function fnConnectToXLForWriting(strXLFilePath, TS\_Name)

strXLFilePath = Replace(strXLFilePath, "TestSuite.xlsm", TS\_Name & "\_IO.xlsx")

str\_ConnectionProvider = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=" + strXLFilePath + ";Extended Properties=""Excel 12.0 Xml;ReadOnly=False;"";"

objConnection.Open str\_ConnectionProvider

fnConnectToXLForWriting = objConnection

End Function

Public Function fnExecuteQuery(strQuery)

objRecordSet.Open strQuery, objConnection

On Error Resume Next

objRecordSet.MoveFirst

On Error GoTo 0

fnExecuteQuery = objRecordSet

End Function

Public Function fnWriteToExcel(strQuery)

objConnection.Execute strQuery

End Function

Public Function fnGetColumnCount()

fnGetColumnCount = objRecordSet.Count

End Function

Public Function fnCheckIfRecordsExists()

If objRecordSet.EOF = True Then

fnCheckIfRecordsExists = False

Else

fnCheckIfRecordsExists = True

End If

End Function

Private Sub Class\_Terminate

' This code will execute automatically when a class object is destroyed

'e.g. When the class object is set to Nothing.

If IsObject(objRecordSet) Then

Set objRecordSet = Nothing

End If

If IsObject(objConnection) Then

objConnection.Close

Set objConnection = Nothing

End If

End Sub

End Class