

# **VBScript-Training.com**

## **Visual Interdev/Classic ASP 3.0 Course**

by Neal Walters, MCT, MCSD, MCSE, MCDBA 888-240-4515 June 18, 2006

As a Microsoft Certified Trainer, Neal Walters taught the Microsoft Visual Interdev or similar courses about 15 times for professional training companies. During this time, Neal learned exactly what students really wanted to know. By helping several hundred students through their classroom labs, he also learned their common mistakes and where they got confused. Neal has incorporated all this experience into his ASP/Visual Interdev course.

Learning ASP might be the next step for someone who has taken Neal's previous VB/Script training courses. If you already know VB/Script, this course focuses on how to apply it creating an interactive script-driven web site.

The following videos are now available in FTP or CD-ROM format at <http://VBScript-Training.com>. Check website for latest pricing. The following videos amount to over 8 hours of "run-time". This material would be the equivalent of a three-day instructor lead course.

### **Benefits of this Course to Previous VB/Script Students:**

You will be able to put your scripts on a web site, so other people can run them (this allows you to hide and protect the code, which might contain sensitive information such as userids and passwords). This also allows you to update the code, and all users will have immediate access to the new code (saves you having to redistribute or republish your code). You will learn how to format the output for viewing in a web browser, including use of colors, fonts, and formatted tables.

You will also learn the basic of accessing data from any SQL database, and/or updating that database. This includes designing web-based forms to collect data and store it in a database.

### **Is prior VB/Script Knowledge Required?**

This course will teach you everything you need to know about using VB/Script for websites. My prior VB/Script courses are NOT required. They teach you how to run VB/Script on your local computer. HOWEVER, if you are totally new to programming, I suggest you watch the "Day 1 and Day 2" Intro to VB/Script Videos first.

### **Is Visual Interdev Required to Write ASP Programs?**

No. Visual Interdev is part of Visual Studio Release 6. If you have an MSDN Universal Subscription, you have access to this software, but it is not required. Most of the videos in this course will use Visual Interdev as the Integrated Development Environment (IDE). However, you may create the same programs using any text editor and then upload them to ASP enabled web server with any FTP program.

# COURSE OUTLINE

## Overview of Serving Web Pages

1. Static HTML (Overview of HTTP and TCP/IP and web servers) (5:29)
2. What can I do with ASP (3:44)

## Visual Interdev

1. Starting Interdev, Creating a New Project (6:24)
2. Interdev Project Explorer (8:37)
3. File Administration (Release, rename, refresh) (5:34)
4. Using FTP instead of Interdev (4:33)
5. Add new ASP or HTML pages to your project (8:02)

## Scripting in VB/Script

1. Server Side JavaScript Example (An Alternative to VB/Script) (5:11)
2. No "Strong Typing" on DIM statement (2:35)
3. Punctuation Essentials – concatenation, continuation, stacking (5:03)
4. More Punctuation (comments) (1:59)
5. Variable Names (4:08)
6. Option Explicit Statement (3:46)
7. Script Tags and Order of Code Execution (5:27)
8. Client Side JavaScript Example (5:36)

## The Response Object

1. Response.Write method (7:43)
2. Line Breaks in HTML and Browser (4:06)
3. Writing various HTML tags using the Response.Write statement (3:57)
4. Example of why buffering is needed (:58)
5. Response.Buffer – Buffering Output (5:22)
6. Response.Flush – Flushing Buffered Output (2:27)
7. Response.Clear – Clearing Buffered Output (8:47)
  
8. Response.End and Response.Redirect (4:11)

## The Request Object

1. Review of HTML Form Elements (11:14)
2. Using Visual Interdev to Build an HTML Form (11:02)
3. Using For/Each to Iterate through a Collection (6:21)
4. Using Request.QueryString to retrieve data from a form (Get vs Post) (2:53)
5. Using Request.QueryString to retrieve data passed on the URL (5:48)
6. Using the Request.ServerVariables Collection (3:44)

## Session and Application Objects

1. Application Lock and Unlock Methods (2:14)
2. Session.Abandon Method (3:39)
3. Response.Expires (Page Caching in minutes) (2:20)
4. Session and Application Events in the global.asa file (6:47)
5. Using Session\_OnStart to force a logon (6:52)
6. Using Session Variables to enforce multiple security levels (3:31)
7. Session.Timeout (3:44)
8. Session Variables (5:54)

## Cookies

1. Overview and Setting Cookies (11:53)
2. Retrieving Cookies (8:50)
3. Retrieving Cookies form ClientSide JavaScript (3:03)
4. Using For/Each to iterate through the Requets.Cookies Collection (3:42)
5. Arrays of Cookies (3:24)
6. How and Why Session Variables Use and Require Cookies (5:12)
7. Cookie Limits (1:29)

## Data Connections

1. Adding a Data Connection (Database Diagrams) (6:28)
2. How adding a connection updates your global.asa file (1:46)
3. Designing a New SQL Data Table (5:15)
4. Adding Data to an SQL Data Table (1:42)

## Data Commands

1. Adding a Data Command to an Existing Data Connection (8:08)
2. Using the Recordset Design-Time-Control (DTC) (5:40)
3. Using the Design-Time-Control (DTC) Data-Bound Textboxes (6:34)

## Active-X Data Objects (ADO)

1. Overview of ADO Objects (4:52)
2. ADO Connection Object – Using the built-in tools (10:04)
3. Using the Connection.Open Method to connect to your database (11:28)
4. Using ADO RecordSet (Open Method, EOF Property) (7:12)
5. Accessing fields in a Recordset, the MoveNext Method (6:13)
6. Using a Do/While Loop to print data from all records in a Recordset (2:57)
7. ADO – DBGrid (Design Time Controls/DTC) (8:19)
8. Looping through the ADO Fields Collection (5:09)

## Using ASP to Build Professional-Looking HTML Table from a Database Query

1. Review of HTML Tables (6:21)
2. Wrapping HTML Table command around results of an SQL Query (7:13)
3. Using the "Table Header" tag to add column headings (3:47)
4. Using Embedded Styles (CSS/Cascading StyleSheets) to format (6:08)
5. Using CSS User-Defined Classes to alternate row colors (7:49)
6. Using CSS to change font family and font size (CSS Inheritance) (2:37)
7. Converting an embedded Stylesheet to an external "Linked" Stylesheet (5:40)

## Building Custom Tailored Web Reports

1. Running SQL Queries in the Visual Interdev Environment (6:47)
2. Using the SQL "Like" and proper use of quotes in a WHERE clause (3:33)
3. Using the SQL "Order By" clause for sorting your data (9:55)
4. Front-Ending your Database Query with a Customized HTML Form that allows the user to pick the data selected, as well as the sort, and optional fields (8:49)
5. Providing a front-end form to prompt the user for the value of the "Where" clause allowing to limit the report to selected book titles (5:27)
6. String Problems – Single Quotes inside SQL where clauses (9:26)
7. String Problems – Single Quotes inside HTML Tags (3:29)

## Updating Database from ASP Pages (Single Row Update)

1. Writing an ASP Program to add ("Insert") data into the SQL Database Table (9:47)
2. Adding "Update" links to our HTML table of books (5:38)
3. Writing the ASP Program to update our "Books" Table (10:33)
4. Adding "Delete" logic to our update program (7:22)
5. How to correct "Type Mismatch" bug in prior program (3:39)
6. Creating a user-friendly application menu (4:45)

## Updating Multiple Rows at One Time from ASP Page

1. Updating inventory for all rows in table (Part 1 of 2) (11:51)
2. Updating inventory for all rows in table (Part 2 of 2) (17:36)