

# TOTAL TRAINING™ FOR MICROSOFT® ASP.NET 2.0

## BUILDING WEB APPLICATIONS SET 1

### QUICK REFERENCE GUIDE

## Part 1 Getting Started with ASP.NET

### 1 OVERVIEW OF ASP.NET 43:18

- 1 Preparing to Use ASP.NET
- 2 Understanding the Page's HTML Source Code
- 3 Introducing the ASP Page & its Code
- 4 Create an ASP.NET Website with Visual Studio
- 5 Design an ASP.NET Web Page with Visual Studio
- 6 Running the Web Page & Adding Event Handlers
- 7 Debugging the Application's Code

### 2 ADDING CONTROLS TO A WEB PAGE 1:07

- 1 Introducing the HTML Controls
- 2 Introducing the Standard Controls
- 3 Introducing the Data Controls
- 4 Introducing the Validation Controls
- 5 Introducing Navigation, WebParts & Crystal Reports
- 6 Formatting a Page with HTML Controls
- 7 Adding Options Manually in the Source View
- 8 Setting the User Interface Properties
- 9 Invoking the Run As Server Control Function
- 10 Displaying Information with a Formatted String
- 11 Designing a Page with Web Controls
- 12 Changing the Alignment
- 13 Adding a Calendar Control

### 3 WEB PAGE PROCESSING 1:09

- 1 Setting Initial Control Properties in a .ASPX File
- 2 Programmatic Initialization in the Page\_Load Method
- 3 Adding Buttons, Labels & a Horizontal Rule
- 4 TimestampLabel & Multiple Selection Listbox
- 5 Adding Event Handler Methods to Buttons
- 6 Understanding Viewstate
- 7 Looking at the Stages of Initialization
- 8 OnInit, OnPreRender & OnUnload Methods
- 9 Adding Another Event Handler Method
- 10 Working with the Command Name Property
- 11 Looking at the EventDemo User Interface
- 12 Look at the Initialization Code behind the Web Page
- 13 Work with the TextChanged Event Handler
- 14 Handle the SelectedIndexChanged Event
- 15 Using Auto-PostBack Events
- 16 Viewing the Auto-PostBack Source Code

### 4 VALIDATING USER INPUT 51:12

- 1 Understanding ASP.NET Validation
- 2 Specifying Required Fields for the Name Control
- 3 Specifying the Allowable Range for the Age Control
- 4 Specifying the Enrollment Date Fields & Range
- 5 Comparing a Value of a Control with a Fixed Value
- 6 Compare the Value of One Control to Another Control
- 7 Using Regular Expressions to Specify Input Patterns
- 8 Defining Custom Validation Rules
- 9 Adding an Event Handler to a Button
- 10 Adding a Validation Summary
- 11 Organizing Controls into Validation Groups

### 5 NAVIGATING A WEBSITE 1:05

- 1 Adding Multiple Pages to a Website
- 2 Redirecting to a Different Web Page
- 3 Pass Information between Pages with the QueryString
- 4 Retrieving QueryString Information in a Web Page
- 5 Retrieving QueryString Information with Variables
- 6 Linking Pages by Using Hyperlinks
- 7 Adding Pages to Use in the Site Map
- 8 Create a Site Map to Define the Pages in a Web Site
- 9 Add a SiteMapDataSource Control to a Web Page
- 10 Displaying a Site Map in a TreeView Control
- 11 Organizing Parent & Leaf Nodes in a Site Map
- 12 Reorganize Site Structure into Subdirectories
- 13 Setting Various NodeStyle Properties of the TreeView
- 14 Displaying Breadcrumbs in a SiteMapPath Control
- 15 Displaying a Site Map in a Menu Control
- 16 Final Comments & Credits

## Part 2 Creating & Deploying Rich ASP.NET Web Applications

### 6 UNDERSTANDING ASP.NET APPS 1:33

- 1 Overview of Two .config Files
- 2 Defining Error Pages for a Website
- 3 Specifying Connection Strings
- 4 Defining & Using Application Settings
- 5 Working with the Website Administration Tool
- 6 Performing Tracing in a Website
- 7 Tracing across a Whole Application
- 8 Adding a .NET Assembly to Support Messaging
- 9 Adding References to .NET Assemblies
- 10 Referencing to Custom .NET Assemblies
- 11 Adding Classes to a Website
- 12 Creating ASP.NET Web Services
- 13 Adding a Reference to a Web Service

### 7 DATA BINDING 1:37

- 1 Working with Basic Single Value Data Binding
- 2 Applying Data Binding to Real Life Scenarios
- 3 Defining & Invoking Your Own Properties & Methods
- 4 Displaying a Text Box Value & Creating a Hyperlink
- 5 Using Data Binding to Create a Hyperlink
- 6 Using Repeated-Value Data Binding to Create Various Lists
- 7 Checking for PostBack Problems
- 8 Binding a List Control to a Collection of Objects
- 9 Defining the Value & Text for a Collection of Objects
- 10 Working with the TextFormatString Property
- 11 Explaining Data Source Options
- 12 Configuring & Binding to a SQLDataSource
- 13 Looking at the HTML & ASP Markups
- 14 Understanding How Data Source Controls Work
- 15 Using the Selected & Selecting Event
- 16 Creating & Binding to a Second SQLDataSource
- 17 Disabling View States to Save Space
- 18 Binding a TreeView Control to an XMLDataSource
- 19 Setting Up a Tree View Control
- 20 Adding Attributes to Tree Node Bindings
- 21 Specify an XPath Expression for an XMLDataSource

### 8 RICH DATA BINDING 1:42

- 1 Understanding Rich Data Controls
- 2 Data Binding with a GridView
- 3 Binding a DataGrid to a SQLDataSource
- 4 Setting the DataSource ID in the Smart Tag
- 5 Formatting Columns with the SmartTag Wizard
- 6 Enabling the User to Select Rows in a GridView Control
- 7 Use SelectedIndexChanged to Control User Input
- 8 Creating Logic Based on a CheckBox
- 9 Formatting with SelectedIndexChanged
- 10 Creating Master/Detail Relationships
- 11 Adding Support for Sorting & Paging
- 12 Using Templates to Create Customized Columns
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- 14 Addressing Concurrency Errors
- 15 Using DetailsView & FormView to Control Display

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- 1 Setting Up to Deploy an ASP.NET Web Application
- 2 Creating a New Virtual Directory
- 3 Setting Catalog Properties for the Virtual Directory
- 4 Adding a Login for the Server
- 5 Publishing the Website
- 6 Final Comments & Credits