

# TOTAL TRAINING™ FOR MICROSOFT® VISUAL STUDIO® 2005

## Productivity with .NET Framework 2.0

### QUICK REFERENCE GUIDE

#### Part 1 – Understanding the Fundamentals

##### 1 GETTING STARTED 33:51

- 1 What is Visual Studio 2005 & the .NET Framework 2.0?
- 2 Choosing the Appropriate Architecture
- 3 Examining Solution Templates
- 4 Exploring Templates for Web Applications
- 5 Taking a Closer Look at the Server Explorer
- 6 Setting Up Database Connection
- 7 Examining the Solution Explorer
- 8 Working with the Properties Window
- 9 Working with the Toolbox

##### 2 LEVERAGING PRODUCTIVITY FEATURES 36:26

- 1 Exploring the IDE
- 2 Working with the Code Editor
- 3 Using IntelliSense®
- 4 Working with the XML Editor
- 5 Working with XML Schema
- 6 Working with Code Snippets
- 7 Working with Commenting
- 8 Working with Code Snippets in a C# Project
- 9 Taking a Look at Object Oriented Programming

##### 3 CREATING WINDOWS FORMS APPLICATIONS 40:35

- 1 Exploring Windows Application Basics
- 2 Adding Controls to the Form
- 3 Build a Browser Desktop Application
- 4 Adding Controls to the Application
- 5 Customizing a Windows Desktop Application
- 6 Adding Functionality to the Application

##### 4 DATA ACCESS & ADO.NET WITH DESKTOP APPLICATIONS 31:25

- 1 Taking a Look at a Finished Application
- 2 Working with the Data Source Configuration Wizard
- 3 Experimenting with the Data Sources Window
- 4 Working with the Data Grid View Control
- 5 Working with Columns
- 6 Examining the ADO.NET Object Library
- 7 Explaining Details of the Table Adapter
- 8 Add Update Functionality to an Application

##### 5 ADO.NET IN THE MIDDLE TIER 43:30

- 1 Working with Data Access
- 2 Reviewing the Data Access Controls
- 3 Understanding the Command Object
- 4 Creating a Select Statement
- 5 Working with the GridView Control
- 6 Adding a Parameterized Query
- 7 Binding to Business Objects
- 8 Defining a Generic List
- 9 Adding User Interface Elements to a Form
- 10 Binding the Data GridView Control to an Object
- 11 Entering Data to the Customer Tracker

##### 6 BUILD A ROBUST USER INTERFACE WITH ASP.NET 2.0 45:04

- 1 Reviewing the Top Ten Features of ASP.NET 2.0
- 2 Examining an ASP.NET 2.0 Solution Template
- 3 Examining the Web.Config File
- 4 Working with ASP.NET 2.0 Controls
- 5 Working with the Radio Button List Control
- 6 Maintaining Scroll Position
- 7 Binding to an XML File with the Bulleted List Control
- 8 Applying Themes & Skins
- 9 Working with the MultiView Control

##### 7 PUBLISH A SMART CLIENT APPLICATION WITH CLICK ONCE 27:45

- 1 Smart Client Architectural Choices
- 2 Exploring Benefits of Smart Client
- 3 Building Your Own Smart Client Application
- 4 Creating a Data Aware Smart Client Application
- 5 Publishing & Installing Your Application
- 6 Setting Up Automatic Updates
- 7 Rolling Back the Application to a Previous Version

##### 8 PERSONALIZE SECURE SMART CLIENT APPLICATIONS 34:54

- 1 Signing Applications with Certificates
- 2 Working with Internet Explorer Zones
- 3 Calculating Permissions
- 4 Using the .NET Framework Configuration Tool
- 5 Setting Offline Caching
- 6 Comparing Cached & Live Data
- 7 Personalizing the User Experience
- 8 Adding a Check Box to Add to the User Experience
- 9 Final Comments & Creditst

#### Part 2 – Beyond the Fundamentals

##### 1 BUILDING & CONNECTING TO WEB SERVICES 27:16

- 1 Exploring Service Oriented Design
- 2 Creating a Web Service
- 3 Binding Web Services to Data
- 4 Testing a Web Service
- 5 Binding Data Controls to a New Service
- 6 Updating a Database through a Web Service

##### 2 DEBUG A SMART CLIENT APPLICATION 11:03

- 1 Setting Break Points with the Desktop Application
- 2 Running the Debugger
- 3 Working with Data Tips
- 4 Working with Data Visualizers & Breakpoints

##### 3 BEST PRACTICES USING EXCEPTION HANDLING 22:49

- 1 Handling Exceptions
- 2 Working with the Exception Assistant
- 3 Enabling Offline Mode
- 4 Working with When Clauses
- 5 Customizing Your Debugging Options
- 6 Publishing a Release Build

##### 4 ASP.NET 2.0 WEBSITE ADMINISTRATION TOOL 15:21

- 1 Launching the ASP.NET Website Administration Tool
- 2 Looking at the Application Tab
- 3 Understanding the Provider Tab
- 4 Creating a SQL Server Membership Provider

##### 5 NEW SECURITY FEATURES IN ASP.NET 2.0 49:07

- 1 Operating a Secure Website
- 2 Specifying a Membership Provider
- 3 Configuring Forms Authentication
- 4 Managing User Accounts
- 5 Examining the ASP.NET DB Database
- 6 Creating a Secure Zone & Enabling Roles
- 7 Managing Access Roles
- 8 Setting Up a Page with the New Login Controls
- 9 Creating a Registration Page
- 10 Directing a User to Login
- 11 Redirecting to the Default Page
- 12 Handling Password Recovery

##### 6 DEBUGGING & TRACING WITH ASP.NET 2.0 24:32

- 1 Launching the Debugger
- 2 Working with the Watch Window
- 3 Setting Trace Points
- 4 Working with Tracing
- 5 Adjusting Trace Settings
- 6 Final Comments & Credits