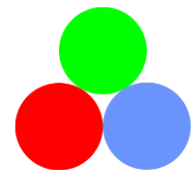


Asp.Net Training Syllabus

C#/VB Language

Introducing C#/VB and the .NET Platform

- Understanding the Previous State of Affairs
- The .NET Solution
- Introducing the Building Blocks of the .NET Platform (the CLR, CTS, and CLS)
- Additional .NET-Aware Programming Languages
- An Overview of .NET Assemblies
- Understanding the Common Type System
- Understanding the Common Language Specification
- Understanding the Common Language Runtime
- The Assembly/Namespace/Type Distinction
- Exploring an Assembly Using ildasm.exe
- Exploring an Assembly Using Reflector
- Deploying the .NET Runtime
- The Platform-Independent Nature of .NET



The Philosophy of .NET

Building C#/VB Applications

- The Role of the .NET Framework 3.5/4.0 SDK
- Building C#/VB Applications Using csc.exe
- Building .NET Applications Using Notepad++
- Building .NET Applications Using Sharp Develop
- Building .NET Applications Using Visual Studio

Building Web Applications with ASP.NET

- Understanding Web Communications
- The Web Server's Role
- The Web Browser's Role
- Understanding the Role of HTTP
- Creating a Website and Adding New WebPages
- Creating Websites
- Creating ASPX Pages
- Website Compilation
- Using Assemblies

- Working with Web Configuration Files
- Understanding the Configuration File Hierarchy
- Processing the Configuration Files
- Changes to NET Framework Configuration Files
- Editing Configuration Files

Using Master Pages, Themes, and Caching

- Using Master Pages
- Overview of Master and Content Pages
- Creating a Master Page
- Creating Content Pages
- Attaching Master Pages to Content Pages
- Referencing Custom Master Page Properties, Methods, and Controls from Content Pages
- Creating Nested Master Pages
- Dynamically Changing Master Pages
- Using Themes
- Themes Overview
- Creating a Theme
- Creating a Skin File

- Adding a Cascading Style Sheet to Your Theme
- Rules for Applying Themes
- Applying a Theme Programmatically
- Caching
- Application Caching
- Page Output Caching
- Programmatically Invalidating Cached Pages

Handling Events and Managing State

- Understanding the ASP NET Life Cycle and Handling Events
- The ASP NET Application Life Cycle
- Understanding the Life Cycle of an ASP NET Webpage and Its Controls
- Using Client-Side State Management
- Choosing Client-Side or Server-Side State Management
- View State
- Hidden Fields
- Cookies
- Query Strings

- Using Server-Side State Management
- Application State
- Session State

Using Server Controls

- Exploring Common Server Controls
- Web Server Controls
- The Label Controls
- The Literal Controls
- The TextBox Control
- The CheckBox Control
- The RadioButton Control
- The DropDownList Control
- The ListBox Control
- The Button Control
- HTML Server Controls
- Exploring Specialized Server Controls
- The Table, TableRow, and TableCellControls

- The Image Control
- The ImageButton Control
- The ImageMap Control
- The Calendar Control
- The FileUpload Control
- The Panel Control
- The Multi View and View Controls
- The Wizard Control
- The Xml Control

Input Validation and Site Navigation

- Performing Input Validation
- Understanding the Validation Framework
- Understanding the RequiredFieldValidator Control
- Using the CompareValidator Control
- Using the RangeValidator Control
- Using the RegularExpressionValidator Control
- The CustomValidator Control
- Performing Site Navigation
- Choosing a Method to Navigate Pages

- Client-Side Navigation
- Cross-Page Posting
- Client-Side Browser Redirect
- Server-Side Transfer
- Using the Site Map Web Server Control
- Using Web Parts
- The WebParts Namespace
- Defining Web Part Zones
- Creating Web Parts
- Enabling Users to Arrange and Edit Web Parts
- Connecting Web Parts
- Personalizing Web Parts

Globalization and Accessibility

- Configuring Globalization and Localization
- About ASP NET Resources
- Using Local Resource Files
- Using Global Resources
- HTML Layout Best Practices
- Setting the Culture

- Configuring Accessibility
- Public Accessibility Guidelines
- How ASP NET Controls Support Accessibility
- Improving Visual Accessibility
- Improving the Accessibility of Forms That
- Require User Input
- Testing Accessibility

Creating Custom Web Controls

- Creating User Control
- Defining User Control Events
- Defining Properties n User Control
- Adding a User Control to a Page
- Dynamically Loading User Control
- Creating a Templated User Control
- Creating Custom Web Server Control
- Creating a Custom Web Server Control
- Adding Too box Support for a Custom Web Server Control
- Creating a Custom Designer for a Custom Web Server Control

- Creating a Composite Control
- Creating a Templated Custom Web Server Control

Debugging and Deploying

- Debugging Websites
- Configuring ASP NET for Debugging
- Defining Custom Error Pages
- Debugging Remote y
- Debugging Client-Side Script
- Troubleshooting Websites
- Implementing Tracing
- Monitoring a Running Web App cat on
- Deploying Websites
- Publishing Web Applications
- Web Deployment Projects
- Web Setup Projects
- Deploying Web Applications by Using the Copy Web Tool

- Pre compiling and Publishing ASP NET Websites

Working with Client-Side Scripting, AJAX

- Creating AJAX-Enabled Web Forms
- Introducing ASP NET AJAX
- The AJAX Server Controls
- Creating Client Scripts with the Microsoft AJAX Library
- Creating Your Own Client Scripts
- Creating Your Own Client Call backs
- Working with the Microsoft AJAX Library
- Building Client Capabilities with AJAX

Connecting to and Querying Data with LINQ

- Getting Started with LINQ
- Introducing LINQ
- Querying Data with LINQ
- Transforming Data with LINQ
- LINQ and ADO NET
- LINQ to DataSet
- LINQ to SQL

- LINQ to Entities

Working with Data Source Controls and Data-Bound Controls

- Connecting to Data with Data Source Controls.
- Understanding the Data Source Controls
- Using Objects as Data Sources with ObjectDataSource
- Connecting to Relational Databases by Using SqlDataSource
- Working with Access Data Files and AccessDataSource Controls
- Connecting to an Entity Mode by Using EntityDataSource
- Connecting to XML Data by Using XmlDataSource
- Connecting to LINQ-Based Data by Using LinqDataSource
- Connecting to Site Navigation Data by Using SiteMapDataSource
- Working with Data-Bound Web Server Controls.
- Introducing Data-Bound Controls

- Simple Data-Bound Controls
- Composite Data-Bound Controls
- Hierarchical Data-Bound Controls
- Working with ASP.NET Dynamic Data.
- Getting Started with Dynamic Data Websites
- Extending and Customizing Dynamic Data
- Using Dynamic Controls in Existing Sites

Implementing User Profiles, Authentication, and Authorization

- Working with User Profiles
- User Profiles Basics
- Configuring a User Profiles Provider
- Defining the User Profiles
- Identifying Users
- Setting and Saving a User Profiles
- Using ASP.NET Membership
- Using the WSAT to Configure Security
- Logon Controls
- The Forms Authentication Class

- The Membership Class