

Course Outline



Tel: +44 (0) 118 979 4000 Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk Web: www.ptr.co.uk

ASP.NET Using VB.NET, ADO.NET & XML

Course Description:

You already know how to write simple, static Web pages using HTML and perhaps Cascading Stylesheets and client-side JavaScript code. Now you are ready to create dynamic Web pages using the latest Microsoft server-side technology: ASP.NET.

You will create ASP.NET Web pages that dynamically display content, display, manipulate, and modify data in a relational database, and display, manipulate, and modify XML data.

Target Student: Programmers at any skill level interested in writing ASP.NET applications.

Pre-requisites:

To ensure your success, it is required that you first take the following PTR courses or have equivalent knowledge:

- *Object-Oriented Programming: Principles
- *NET Framework: Introduction
- *HTML Web Authoring

Knowledge of VisualBasic.NET, or prior experience with VB6 or VBScript, is also required. Knowledge of XML basics is also helpful, and so we recommend XML: Introduction. Knowledge of SQL is also recommended, though not required.

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- **Writing Basic ASP.NET Pages**
 - Write a Simple ASP.NET Web Page
 - Output Content and Redirect to a Different Page
 - Pass User Information Between Pages
 - Store and Retrieve Data Using a Cookie
 - Perform Browser Detection
 - Transfer Processing

- **Increasing Code Separation and Modularity**
 - Separate Code From Content with HTML Controls
 - Implement a Postback Form
 - Increase Code Separation with a Code-Behind File
 - Increase Modularity with a User Control

- **Creating Web Forms with Web Controls**
 - Create a Web Form Using ASP.NET Web Controls
 - Create Grouped Elements with List Controls
 - Display Data with a Repeater Control
 - Display Data with a DataList Control
 - Display Data with a DataGrid Control
 - Verify User Input with Validation Controls
 - Rotate Banner Ads with the Ad Rotator Control
 - Create a Calendar using a Calendar Control

- **Accessing Databases with ADO.NET**
 - Display Data from a Database
 - Display Data From a Database Using Web Controls
 - Customize Databound Results Using Style Sections
 - Customize Databound Results using Templates
 - Modify Data with SQL Commands

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Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

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- **Manipulating Data with ADO.NET DataSets**
 - Create a DataSet with Multiple Tables
 - Display Data from Related Tables
 - Manipulate Data in a DataGrid Control
 - Modify DataSet Records and Merge
- **Programming XML Documents with ASP.NET**
 - Access and Display an XML Document
 - Validate an XML Document Using a Schema
 - Search an XML Document for Specific Information
 - Edit an XML Document
 - Write XML Documents to Disk
- **Converting and Transforming XML Data with ASP.NET**
 - Write Data From a DataSet to an XML Document
 - Create Nested XML from a DataSet Object
 - Read Data into a DataSet from an XML Document
 - Transform an XML Document
 - Output XSLT Results Using the XML Control
- **Architecting and Configuring an ASP.NET Application**
 - Configure an ASP.NET Application
 - Configure ASP.NET Error Tracing
 - Manage Application State
 - Preserve Session State
 - Cache Page Output
 - Cache a User Control

Course Duration:

5 Days

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