

ASP.NET Using Visual C# .NET 2003

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Course description: In this course, you will learn how to use Visual C# .NET to build ASP.NET Web pages and XML Web Services. You will gain an understanding of the new architecture behind ASP.NET and how to use the new server controls. You will also learn how to use ADO.NET to create data-driven ASP.NET Web forms. You will learn to interoperate with non-.NET code, manage session state, and reuse code by creating your own controls. This course teaches you how to improve performance with output caching, debug your applications and trace its activity, use advanced Web Services features, and configure and deploy ASP.NET applications. Finally you will learn to authenticate users and limit their access to resources, handle multi-user data access conflicts, and support mobile devices.

Course outline:

A Review of Classic ASP

- Introduction
- Intro.sln
- Set Up SQL Server Login
- Code in Products-ASP.asp
- ASP Object Model
- Connection Object
- Input Control
- Run the Page
- Summary

ASP vs ASP.NET

- Introduction
- ASP Shortcomings
- ASP.NET to the Rescue
- Summary

Create ASP.NET Web Apps

- Introduction
- Create a New Application
- Format Controls
- Adding Some Code
- Property Window
- View the Code Window
- targetSchema
- Summary

HTML Server Controls

- Introduction

- HTML Controls
- HTML Control Namespace
- Page_Load Event
- Postback Properties
- HTML Table
- Viewstate Control
- Web Controls
- Run the Sample
- AutoPostBack
- Postback Triggers
- Summary

XML Web Services

- Introduction
- Create a Web Service
- Create a Web Method
- Test the Web Service
- Summary

Web Form Controls

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- Intro to Web Forms Controls
- Adding Label Controls
- Setting Label Properties
- View Client Source
- Summary

Simple Input Controls

- Introduction

- Textbox/Password Controls
- Checkbox/Radio Button
- Summary

Button Control

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- Submit Control
- Hyperlink Control
- HandleCommand Event
- Image Control
- Summary

List Controls

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- Run the Sample
- Add List Items
- Add Items Code
- HandlePostBack Code
- SelectedIndexChanged Event
- Clear Selection
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- Run the Sample Page
- Client-side Validation

- How Validation Works
- RequiredField Validator
- Multiple Validators
- Display property
- RangeValidator
- CompareValidator
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- Regular Expression Library
- Custom Validation
- CustomValidator Control
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- Server-side Validation
- Validation Summary Control
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- Layout/Selection Modes
- Style Properties
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- AdResponse
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- Using DataRows
- DataColumns and Schema
- Filling DataSets from SQL Server
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- OLEDB Data Provider
- ODBC Data Provider
- Multiple Providers
- Using Interface Interitance
- Code for Multiple Providers
- Summary

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- The ADO.NET Architecture
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- Create a DataTable
- Connecting to a DataSource

- Command Object
- DataReader Object
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- Create a Repeater Control
- Run the Repeater Sample
- View DataBinding Code
- View DataBinding HTML
- RepeaterBind() Procedure
- Using Templates to Format
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