



ASP.NET

Introduction to ASP.NET

- ❖ From ASP to ASP.NET
- ❖ Web Forms
- ❖ Web Services
- ❖ ASP.NET Features

Web Forms Architecture

- ❖ Page Class
- ❖ Web FormsLife Cycle
- ❖ Web Forms Event Model
- ❖ Code-Behind

ASP.NET and HTTP

- ❖ RequestResponse Programming
- ❖ HttpRequest Class
- ❖ HTTP Collections
- ❖ HttpResponse Class
- ❖ Redirection
- ❖ HttpUtility Class

Web Applications Using Visual Studio

- ❖ Using Visual Web Developer
- ❖ Visual Studio Forms Designer
- ❖ Using Components
- ❖ Shadow Copying
- ❖ Using the Global.asax File
- ❖ Data Binding

State Management and Web Applications

- ❖ Session State
- ❖ Application State
- ❖ Multithreading
- ❖ Issues
- ❖ Cookies



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Server Controls

- ❖ HTML Server Controls
- ❖ Web Forms Server Controls
- ❖ Rich Controls
- ❖ Validation Controls
- ❖ User Controls

Caching in ASP.NET

- ❖ What Is Caching
- ❖ Page-Level Caching
- ❖ Page Fragment Caching
- ❖ Optimizing Your ASP.NET Application
- ❖ Application Caching

ASP.NET Configuration and Security Fundamentals

- ❖ Configuration Overview
- ❖ Authentication and Authorization
- ❖ Forms Authentication
- ❖ Windows Authentication
- ❖ Security and ASP.NET

Debugging, Diagnostics and Error Handling

- ❖ Debugging
- ❖ Application Tracing
- ❖ Page Tracing
- ❖ Error Handling

More Server Controls

- ❖ Most recent ASP.NET Controls
- ❖ Menus
- ❖ Master Pages

ADO.NET and LINQ

- ❖ ADO.NET Overview
- ❖ .NET Data Providers
- ❖ Connections
- ❖ Commands
- ❖ DataReaders and Connected Access
- ❖ Data Sets and Disconnected Access
- ❖ Language Integrated Query

Data Access in ASP.NET

- ❖ Data Source Controls Connection



- ❖ String Storage
- ❖ GridView
- ❖ DetailsView
- ❖ FormView
- ❖ Object Data Sources
- ❖ ListView
- ❖ DataPager
- ❖ LinqDataSource

Personalization and Security

- ❖ Configuration Overview Themes
- ❖ Skins
- ❖ Security in ASP.NET
- ❖ Membership and Roles
- ❖ Login Controls
- ❖ User Profiles

Introduction to ASP.NET AJAX

- ❖ Rich Client Applications
- ❖ AJAX
- ❖ ScriptManager
- ❖ UpdatePanel
- ❖ AJAX Client Library
- ❖ Remote Method Calls
- ❖ AJAX Control Toolkit

HTTP Pipeline

- ❖ Pipeline Architecture
- ❖ Context
- ❖ Applications
- ❖ Handlers
- ❖ Modules

