

Programming Web Application using ASP.NET

Course Description

In this Course you will learn how to building interactive, dynamic web applications using the .NET framework. You'll learn the essentials of the framework using either C# or VB.NET - with examples and exercises provided in both - and get an introduction to the .NET base class library. Then, move on to ASP.NET and learn to put your skills to use building interactive, feature-rich web pages.

Course Level

Intermediate

Who should attend?

.NET Developer who want to create the ASP.NET Application using Visual Studio 2005

Pre-requisites

Basic understanding of Programming .NET Application and database access using ADO.NET

Course Objectives

- Basic Programming for Web Application
- Using ASP.NET Control
- Create Web Template using Master Page
- State Management
- Database Access in Web Application
- Authentication and Authorization on Web
- Deploying Web Application

Course Durations

18 Hours

Course Outline

1. Creating a Web Application

Visual Web Developer
Create Web Page in Visual Web Developer
ASP.NET Web Page Code Model
Build a Web Application

Hand-On Labs:

Build Simple Web Application

2. Programming a Web Application

Determine Which Web Server Control
Pass Values Between ASP.NET Web Pages
Connect Multiple Events to a Single Event
Access Page Header Information
Handle ASP.NET Errors

Hand-On Labs:

Create ASP.NET Page

Handling ASP.NET Error

3. Adding and Configuring Server Controls

Add HTML Server Controls to a Web
HTML Controls for ASP.NET Web Pages
ASP.NET Web Server Controls
Standard Toolbox Controls
Cross-Page Posting in an ASP.NET

Hand-On Labs:

Using ASP.NET Control

Create Cross-Page Posting

4. Managing State for a Web Application

ASP.NET State Management Overview
ASP.NET ViewState
Using ASP.NET Application
Using ASP.NET Session Objects
Store and Retrieve Data in the Cache

Hand-On Labs:

Using ASP.NET State

5. Accessing and Displaying Data

Using ASP.NET Data-Bound Controls
Display Data by Using the GridView
Using ObjectDataSource Controls
Access XML Data by Using XmlDataSource

Hand-On Labs:

Access Data from ASP.NET

6. Input Validation and Site Navigation

Performing Input Validation
Performing Site Navigation

7. Programming Web Application

Using Web Site Programmability
Using Request Information

8. Controlling Access to a Web Application

Configure Authentication
Configure Authorization
Manage Users by Using Membership
Implement a Login Page
Create a Membership User Interface

Hand-On Labs:

Create Secure Web Application

9. Globalization and Accessibility

Configuring Globalization and Localization
Using Accessibility

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