

Mastering ASP.NET 4.0 Web Development using Visual Studio and VB.NET

Course Length: 5 days

Price: \$2,500

Summary

This course uses Visual Studio 2010 for programmers familiar with Web development on the .NET platform using VB.NET as the programming language. The focus of this class is learning advanced skills to develop professional .NET Web applications. This course is for VB.NET programmers that are working with Web projects and are ready to take their skills to the next level.

Who Should Attend?

Students should be familiar with using VB.NET as a programming language and the fundamentals of ASP.NET Web development. If you are not familiar with VB.NET or ASP.NET development, we recommend our *"Introduction to VB.NET using Visual Studio"* and *"Introduction to ASP.NET 4.0 Web Development using Visual Studio and VB.NET"* classes as a prerequisite courses.

Course Outline

ASP.NET Web Programming Overview

- Using Visual Studio to Develop Web Applications
- Developing Web Applications
- Testing and Debugging Web Applications

ASP.NET Database Development

- Using SQL Data Sources
- Using the DetailsView Control
- Using the FormView Control
- Using the ListView and DataPager Controls
- Object Oriented Database Development for Web Applications
- Using LINQ in Web Applications
- Working with the Entity Framework

Professional ASP.NET Skills

- An Overview of Web Security, Authentication and Authorization
- Using Profiles to Personalize Web Sites
- Working with MultiView and Wizard Controls
- Working with Email in Web Applications
- Custom Error Pages
- Controlling the Back-Button
- Building Portals with Web Parts
- Introduction to ASP.NET AJAX
- Configuration and Deployment Best Practices

Developing Reusable Code

- Developing User Controls
- Developing Customer Server Controls
- Working with Web Services
- Introduction to WCF (Windows Communication Foundation)