

Course ID

**TK2544**

Course Duration

**2 days**

Course Title

**Advanced Web Application Technologies with Microsoft Visual Studio 2005**

**Aimed At**

Corporate or Independent Software Vender (ISV) application developers who have a desire to learn more about specific technology areas in web application development.

**Group Size**

5-15

**Prerequisites**

- Core Web Application Technologies with Microsoft Visual Studio 2005 (TK2543A, 3 days)

You should know how to use delegates and events, improve the security of .NET Framework 2.0 applications, and be able to use instrumentation in code.

**Course  
In a Nutshell**

In this two-day workshop, you will acquire the knowledge and skills to develop Microsoft ASP.NET 2.0 web applications using Microsoft Visual Studio 2005.

The focus of this course is on advanced user interfaces, web site functionality, and implementation details using the advanced features of ASP.NET 2.0 and Visual Studio 2005. Covered are such topics as dynamic web applications, creation of controls for web applications, optimization of web application performance, personalization and themes implementation, and building of web part pages and web parts.

**Customize It!**

Customize this course to your particular background and job requirements at little-to-no extra cost. Let us know how we can adapt this course to your needs.

**Learn How To**

- Build dynamic web applications
- Create controls for web applications
- Optimize web applications
- Build customizable web applications
- Build web part pages and web parts

**Course  
Outline**

- Building Dynamic Web Applications
  - Creating and Configuring dynamic controls
  - Localization and globalization
  - Dynamic master pages
  - Dynamic web configuration
  - Exercise
- Creating Controls for Web Applications
  - User controls

- Custom web server controls
- Composite web server controls
- Templated controls
- Exercise
- Optimizing Web Application Performance
  - The page scripting object model
  - Tracing and instrumentation in web applications
  - ASP.NET 2.0 caching techniques
  - Asynchronous processing in web applications
  - Web farm development consideration
  - Exercise
- Implementing Personalization and Themes in Web Applications
  - Personalization features of ASP.NET 2.0
  - Theme support in ASP.NET 2.0
  - Implementation of personalization features and themes
  - Exercises
- Building Web Part Pages and Web Parts
  - What is a web part?
  - What is a web part page?
  - Features of connected web parts
  - Exercise
- Wrap-up: Course Recap, Q/A, and Evaluations

### **How You Will Learn**

- An experienced web developer and instructor will conduct this class in workshop mode.
- Hands-on exercises will help you master each topic taught in the class.
- The instructor will use real-life examples and applications to enrich the class and help you apply the material in your own job.
- You'll learn dos and don'ts and tricks of the trade as well as traps.
- You will receive a comprehensive participant handbook that will serve as a refresher and reference when you are back on your job.

*Revised*

*April 6, 2007*