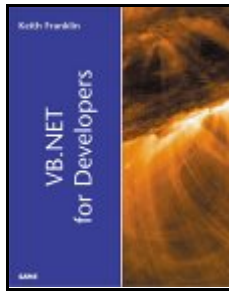


Each student receives



Developing Applications Using VB.NET and ASP.NET

A Five-Day Hands on Course (RAT285)

Background

This training course is designed for programmers who have used Visual Basic 6.0 or earlier and now need to move to the new Microsoft.NET Framework with VB.NET. Students will learn the new ways of creating Windows and Web applications in VB.NET. The emphasis in this course is on good coding practices such as industry accepted naming standards, indentation and code reusability. This courseware is focused on developing a business application. If you are a developer who needs to learn how to put together a Visual Basic.NET application the right way.

Pre-requisites

The student attending this course should be familiar with Visual Basic 6.0 or earlier. No knowledge of .NET is required.

At the end of the course, you will learn:

- How to use Visual studio.NET
- How to program in VB.NET effectively
- How to create classes and use inheritance
- How to handle errors in a program
- How to use WinFormsHow to use dialog boxes
- How to use ADO.NET efficiently
- How to add, edit and delete data in a table
- How to build a web application
- How to use the various server-side web controls
- How to create a web service
- How to process XML documents

Course Outline

Introduction to .NET

Introduction to Visual Studio.NET
 Introduction to Windows Forms (WinForms)
 Introduction to the Basic WinForm Controls
 Using a DataTable to Load a DataGrid
 Using the MessageBox Class
 Creating an MDI Application
 Creating and using Menus
 Creating Dialog Forms

Overview of the Debugger

Introduction to OOP
 Creating Classes
 Overloading Methods
 Understanding Inheritance
 Creating Inherited Forms
 Error Handling
 Creating Class Libraries

Using the List Box Control

Introduction to ADO.NET
 DataBinding on WinForms
 Creating Connection & Command Objects
 Using the DataReader Class
 Using the DataTable & DataSet Classes
 Creating an Add/Edit/Delete Form
 Introduction to XML
 Manipulating XML in .NET
 Interacting with a COM Component

Introduction to ASP.NET & WebForms

Creating a WebForm Login Page
 Using the Validation Controls on a WebPage
 Using the DataGrid
 Using the Repeater Control

Using the DataList Control

State Management in WebForms
 Introduction to Web Services
 Creating a Simple Web Service
 Returning Data from a Web Service
 Asynchronous Web Services

