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February 27, 2008

“Visual WWW .NET Training Pack”

Dr. Ernest Bonat, Ph.D.



Visual WWW, Inc.

‘Created by Developers for Developers’

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1. Overview

Microsoft .NET Framework technology is a radical new strategy and computer-programming platform developed for today’s world of Database Desktop and Internet Applications Development. Visual Basic .NET (VB.NET) is an integral part of .NET framework, which was built from the ground up. VB.NET is a totally new compiler with a complete OOP support. This feature will simplify programming codes, decrease development time and significantly increase code reusability and application maintainability. The introduction of XML Web Services opens a new era of Internet web application development and software distribution. The development of Windows applications using VB.NET is inevitable. This intensive VB.NET course will provide you with a solid foundation for building critical Windows or Internet web business applications.

2. Audience

This course has been designed for beginners and future IT employees. The course is a very good jump-start for learning how to develop and deploy production windows applications. It covers the entire lifecycle of Windows Client/Server and Internet Web windows development, including business rules definition and documentation, logical database design and physical design, and implementation, GUI designs, Client/Server and Internet web programming code development, unit and system test, user and developer documentation, etc.

3. Prerequisites

At least two years experience and an understanding of the MS windows environment. Programming language experience is not required. Some VBA and/or VB programming would be very helpful.

4. Code

VWWWNET01.



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5. Level

Basic.

6. Delivery

Classroom or Online.

7. Duration

For each module, 6 workshops are required. The duration for each workshop is based on customer requirements and necessities. Customers can determine the right schedule based on their needs. Visual WWW will be able to match any class duration period, depending on customer requirements.

8. Type

Public, private or on-site. Depending on the client requirements (location, number of students, etc) and Visual WWW availability this will be defined in the first contact meeting.

9. Cost

\$1995.00 plus tax if necessary. Discounts are available for groups and corporate training.

10. Registration

Online: www.evisualwww.com/project_course.php

E-mail: info@evisualwww.com

Phone: 503.730.4556

Fax: 503:715.4888 (send a hard copy of your registration form. Please don't forget to include Visa, MasterCard, American Express number or purchase order)

Address: Visual WWW, Inc.
Professional Training and Mentoring
115 NE 39th Avenue
Hillsboro, OR 97124-6863
USA

11. Software and Materials

A Laptop with:

- MS Windows XP Professional or Vista Premium
- MS Office 2003 or highest
- Visio 2003 Professional Edition or highest
- Visual Studio .NET 2008 Professional Edition (SP1)
- WinZip 11.0 or WinRAR 3.71



- Adobe Acrobat Reader 6.0 or highest
- SQL Server 2005 Express Edition or highest
- Oracle 10g Express Edition or highest
- IBM DB2 9.0 Express Edition or highest
- Toad Freeware for Oracle or IBM DB2
- Course text book and sample projects

12. Module 1 “Database Design and Implementation”

- Workshop 1. Introduction to database designs. Database definition based on business rules requirements. Database design, modeling and normalization. ER-Diagrams, implementation and migration from Access to SQL Serve. Database project design and implementation in SQL Server. Assign 1.
- Workshop 2. Introduction to MS SQL Server. Database files definition. Users and security. Transact-SQL programming basics and advanced. Common Language Runtime integration basics and advanced. Database project design and implementation in SQL Server (continued). Assign 2.
- Workshop 3. Stored procedures (basic and advanced). Triggers and their implementation. Production project design and implementation in SQL Server (continued). Assign 3.
- Workshop 4. User-defined functions design and implementation. SQL Cursors definitions and implementation. Production project design and implementation in SQL Server (continued). Assign 4.
- Workshop 5. Data Transformation Services (DTS) definitions and implementation. Database GUI development using Access data project (ADP) for data load. Production project design and implementation in SQL Server (continued). Assign 5.
- Workshop 6. Introduction to XML Technology. XML implementation in SQL Server. XML implementation in SQLXML 3.0. Best practices in database design and implementation. Production final project presentation (slides, documents, final SQL database demo, ADP graphical interface, etc.)

13. Module 2 “Developing Database Windows Applications using VB.NET”

- Workshop 1. Introduction to MS .NET Framework. Introduction to Visual Studio .NET. Getting started with Visual Basic .NET (VB.NET). Visual Basic .NET programming basics. Windows application project design and implementation using VB.NET/ SQL Server. Assign 1.
- Workshop 2. Advanced VB.NET programming language. Object-Oriented Programming (OOP) in VB.NET. Windows Forms application basics. Windows application project design and implementation using VB.NET/SQL Server (continued). Assign 2.
- Workshop 3. Windows components. Advanced Windows Forms application development. DLL and Windows Services (EXE) components development. N-tiers application design and development in .NET framework. Windows application project design and implementation using VB.NET/SQL Server (continued). Assign 3.
- Workshop 4. Custom windows components development. ADO.NET basics and general object model. Advanced ADO.NET (XML-ADO.NET implementation) Database programming and optimization with ADO.NET. Windows application project design and implementation using VB.NET/SQL Server (continued). Assign 4.
- Workshop 5. SQLXML Managed Class implementation in .NET. Web Services basics. Calling and developing



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Web Services from windows forms application. Windows Remoting Services. Windows application project design and implementation using VB.NET/SQL Server (continued). Assign 5.

- Workshop 6. Best practices of ADO.NET and Windows Form application development. Windows form application deployment and maintenance. Windows application project final presentation (slides, documents, final project VB.NET/SQL Server presentation, etc.)

14. Module 3 “Developing Database Internet Web Applications using VB.NET”

- Workshop 1. Introduction to ASP.NET web application. ASP vs. ASP.NET. Elements of ASP.NET apps. Introduction to Web Forms. Web Form Project File Structure and Definition. ASP.NET application configuration. Passing parameters between web pages in ASP.NET. ASP.NET application project design and implementation using VB.NET/ SQL Server. Assign 1.
- Workshop 2. HTML and Server controls in ASP.NET. ASP.NET caching features. ASP.NET state management. ASP.NET application project design and implementation using VB.NET/ SQL Server (continued). Assign 2.
- Workshop 3. Web server controls basics. Advanced Web Forms application development. DLL components design and development in ASP.NET. N-tiers application design and development in ASP.NET. ASP.NET application project design and implementation using VB.NET/SQL Server (continued). Assign 3.
- Workshop 4. Advanced Web server controls design and development. Advanced XML- ADO.NET implementation in ASP.NET. XSLT implementation in ASP.NET. XML document schema validation. ASP.NET application project design and implementation using VB.NET/SQL Server (continued). Assign 4.
- Workshop 5. SQLXML Managed Class implementation in ASP.NET. XML Web Services basics. Developing XML Web Services for ASP.NET application. Remoting services. ASP.NET application project design and implementation using VB.NET/SQL Server (continued). Assign 5.
- Workshop 6. Best practices of ASP.NET application development. ASP.NET application deployment and maintenance. ASP.NET application project final presentation (slides, documents, final VB.NET/SQL Server presentation, etc.)

15. Instructor: Dr. Ernest Bonat, Ph.D.

For information about the instructor go to www.evisualwww.com/project_aboutus.php and click on Dr. Ernest Bonat, Ph.D. link.

Note: Course content, cost, instructor and availability are subject to change without prior notice.