



Visual WWW, Inc.
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February 11, 2008

“Advanced Visual WWW Open Source Training Pack”

Dr. Ernest Bonat, Ph.D.



Visual WWW, Inc.

‘Created by Developers for Developers’

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Table of Content

1. Overview	2
2. Audience	2
3. Prerequisites	2
4. Code.....	2
5. Level.....	3
6. Delivery	3
7. Duration.....	3
8. Type	3
9. Cost.....	3
10. Registration	3
11. Software and Materials	3
12. Module "Developing Advanced Database Windows Applications Using MySQL and VB.NET"	4
13. Instructor: Dr. Ernest Bonat, Ph.D.	4

1. Overview

Open Source Technology LAMP (Linux/Apache/MySQL/PHP) is quickly becoming a powerful software tool for business application development. More and more mainstream business companies and government organizations are using LAMP as an alternative to expensive traditional software infrastructure because of its superior performance, reliability, ease-of-deployment and development cost savings. MySQL server has proved to be the world's most popular open source database today. MySQL allows delivering scalable, reliable and high performance database applications for small to medium-sized businesses.

This intense course will provide the students with the necessary programming knowledge, skills and techniques to develop and deploy robust-flexible Client/Server Windows applications using MySQL 5.0/VB.NET 2008. It covers the latest new features of MySQL 5.0 such as stored procedures, functions, triggers and views database objects development. Design and development class DLL libraries in VB.NET 2008. Designing and building Business Logic and Data Access components. Advanced N-tiers applications design and development using VB.NET 2008.

2. Audience

This course has been implemented for VB.NET Application Developers with more than a year of experience in database windows applications development.

3. Prerequisites

- At least a year experience of database windows applications development using VB.NET programming language
- Basic programming of SQL:2003 language would be very helpful
- Working development experience with MySQL open source database server and Toad for MySQL are not required

4. Code

VWWWOS02.



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5. Level

Advanced.

6. Delivery

Classroom or Online.

7. Duration

Two workshops (three hours each) a week for a month. Course duration 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 Professional or highest

A complete CD course will be provided with the following free software and materials:



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- MS Visual Basic 2008 Express Edition
- MS Visual Basic 2008 sample projects, tutorials, papers and case studies
- MySQL Server 5.0.45 or highest
- MySQL Connector/NET 5.0.8.1 or highest
- Toad for MySQL 4.0 or highest
- WinZip 11.0 or WinRAR 3.71
- Adobe Acrobat Reader 7.0 or highest
- Course text book and MySQL 5.0/VB.NET 2008 sample projects

12. Module “Developing Advanced Database Windows Applications Using MySQL and VB.NET”

- Workshop 1. Database design and modeling. Database normalization rules. Database ER-Diagrams. Implementing and managing MySQL databases, tables, columns and indexes using Toad for MySQL 4.0. MySQL Views basics and development. Manipulating and retrieving data in a MySQL Database. Exporting, copying, and importing MySQL data using Toad for MySQL 4.0. Assign 1.
- Workshop 2. SQL:2003 programming basics and advanced. MySQL stored procedures, functions and triggers basis and advanced development. Create, Alter, Drop and Call general statements. Variables, parameters, block structure, cursors, conditions and handlers, database transactions, stored procedures optimization and best practices. Database access tier fundamentals and organization. Moving client’s business requirements to the database tier. Assign 2.
- Workshop 3. Advanced ADO.NET and MySQL Connector/.NET. Define and store MySQL Connection String. Load and search MySQL data using dynamic SQL and stored procedures. N-tiers database Windows applications design, organization and implementation. Designing and building Business Logic and Data Access components. Assign 3.
- Workshop 4. Advanced MySQL data validation. Insert, update and delete MySQL data using dynamic SQL and stored procedures. MySQL data transactions using dynamic SQL and stored procedures. Best practices of MySQL Connector/.NET for retrieving, inserting, updating and deleting records. Assign 4.
- Workshop 5. Data transfer between Windows Forms and migration to Excel spreadsheet and XML files. VB.NET 2008 source code analysis, review and understanding of the Magazine Publisher Windows database application. MySQL/VB.NET application deployment and maintenance. Assign 5.

13. 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.