

COMPREHENSIVE, HANDS-ON ONE-ON-ONE TRAINING VB.NET 2003

Delivered by MICROSOFT CERTIFIED PROFESSIONAL

VB.NET (WINDOWS) COURSE OUTLINE

40HOURS / PHP 10,000

1. GETTING STARTED WITH VB.NET
 - A. The IDE integrated Development environment
 - B. The IDE components
 - i. The IDE menu box
 - ii. The toolbox window
 - iii. The properties Window
 - iv. The output window
 - v. The command window
 - vi. The task list window
 - C. Environment Options
 - D. Common Properties
 - E. Common Events
 - F. Common Methods
 - G. Introduction To Console Application
2. VISUAL BASIC THE LANGUAGE
 - A. Variables
 - B. Constant
 - C. Arrays
 - D. Variables as objects
 - E. Flow-control statements
3. WRITING AND USING PROCEDURE
 - A. modular coding
 - i. subroutines
 - ii. functions
 - iii. Calling functions and subroutines
 - B. Arguments
 - i. Argument passing mechanism
 - ii. Event-handler arguments
 - iii. Passing unknown number of arguments
 - iv. Named arguments
 - v. More types of function return values
 - vi. Overloading functions
4. Working with forms
 - A. The appearance of forms
 - i. Properties of form controls
 - ii. Placing controls on forms
 - iii. Setting the tab order
 - iv. Anchoring and docking
 - v. The form's event

- B. Loading and showing forms
 - i. The startup form
 - ii. Controlling One form from within another
 - iii. Form vs. dialog boxes
 - iv. Multiple form projects
- 5. Designing menus
 - A. The menu editor
 - B. The MenuItem Object
 - C. Manipulating menus at runtime
 - D. Iterating Menu's Item
- 6. Building dynamic forms at runtime
 - A. The forms control collection
 - B. The dynamic form project
 - C. Creating event handlers at runtime
- 7. THE BASIC WINDOWS CONTROL
 - A. The textbox control
 - B. Listbox,checkedlistbox and combobox
 - C. Scrollbar and trackbar control
 - D. The common dialog box
 - E. Richtextbox
- 8. Building custom classes
 - A. What is a class
 - B. Building minimal class
 - C. Inheritance
 - D. Polymorphism
- 9. Building custom window control
 - A. Designing windows control
 - B. Enhancing existing control
 - C. Building compound control
 - D. Building user drawn control
 - E. Designing irregularly shaped control
 - F. Building overdrawn controls
 - G. Using ActiveX control
- 10. Automating Microsoft Office application
 - A. Programming Microsoft Word
 - B. Programming Excel
 - C. Programming outlook
- 11. Storing Data in a collection
 - A. Advance Array topics
 - B. The array list collection
 - C. The hash table collection
 - D. Sorted list class
 - E. The IEnumerator and IComparer interface
 - F. Thje Serialization class
- 12. Handling String, Characters and dates
- 13. Working With folders and files
- 14. Drawing and Painting with visual basic

15. Printing with Vb.NET
 - A. The printing objects
 - B. Printer and page properties
 - C. Printing examples

16. Error handling and debugging
 - A. Types of error
 - B. Exception and structured Handling
 - C. Debugging

17. Recursive Programming
 - A. Basic concepts
 - B. Scanning folders recursively
 - C. The stack mechanism
 - D. Special issues in recursive programming

18. The multiple document interface
 - A. The MDI application
 - B. Built-in capabilities of MDI application
 - C. Accessing Child Form
 - D. Ending an MDI application

19. DATABASE: ARCHITECTURE AND BASIC CONCEPTS
 - A. What is a database
 - B. The server explorer
 - C. The structure query language
 - D. The query builder
 - E. Stored procedures

20. Building database application with ADO.NET
 - A. The architecture of ADO.NET
 - B. Creating a dataset
 - C. Data binding
 - D. Programming data adapter
 - E. The command and datareader objects

21. Programming the ADO.Net objects
 - a. The structure of a dataset
 - b. Dataform Wizard
 - b. Transactions

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