

Visual Basic .NET 2003

page 1

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Course description: In the first part of this course you will learn how to use Visual Studio .NET and Visual Basic .NET to build applications to run on the .NET platform. You will become familiar with the new Visual Basic .NET programming syntax including new object-oriented enhancements like inheritance. This course teaches you how to create Windows Forms and trap Windows Forms Events. You will learn how to access data using the new objects in ADO.NET including the DataReader, DataAdapter, and DataSet. Learn to build solid applications using the new Try/Catch block and Exception Object for efficient error trapping and Event logging and Breakpoints for effective debugging. Tap into the Internet by building Web-based application and XML Web Services including understanding the SOAP toolkit, UDDI, and how to build Web Services consumers. Learn how to leverage the security features in the .NET framework and build powerful reports using Crystal Reports.

Course outline:

Introduction

- Overview
- Create New Project
- Workspace Layout
- Solution Explorer
- Properties Window
- Size Properties / Handles
- Run / Compile
- Form Properties
- Summary

Form Controls

- Add Controls
- Size / Position
- Multiple Controls
- Format Toolbar
- Summary

Behind the Scenes

- View Code
- Regions
- Form Classes
- Dispose Method
- Variables
- Attributes

- Comments
- Set Properties
- Summary

Event Handling Code

- Control Properties
- Create Handles
- Add Event Code
- Event Handlers
- Summary

Form Menu

- Add Menus
- Menu Properties
- Add Menu Code
- Change Controls
- Modify Form Behavior
- Keyboard Shortcuts
- Summary

Form Components

- Add Components
- Tool Tips
- Use Tool Tips
- Timer
- Form Opacity
- Closing Event

- Summary

Create Console Application

- Key Terms
- vbc.exe
- Create with Notepad
- Use vbc.exe
- Summary

Visual Studio .NET

- Profiles / Options
- View
- Solution Properties
- Implicit vs. Explicit
- Modules / Classes
- Summary

Variable and Data Types

- Declare Variables
- Outside of Procedures
- Static Variables
- Block Variables
- .NET Data Types
- Convert Data Types
- View Variable Properties
- Use CType Conversion
- Summary

Operators

- Overview

- AndAlso / OrElse
- Use Operators
- Summary
- Overview
- MDI Samples
- Image Organization
- Use MDI ToolBars
- ImageList Controls
- Built-in Components
- Serializable Classes
- Graphical Procedures
- Serialize / Deserialize
- Sample Form
- OwnerDraw ComboBox
- OwnerDraw Options
- DrawItem Event
- DrawList Item
- Use GDI+ Objects
- Array List
- DrawItem

(Continued on page 2)

Visual Basic .NET 2003

page 2

- Summary
- Summary
- Overview
- Overview
- Overview
- Overview
- Overview
- Overview
- Example Code
- Reflection
- Assign Array
- CreateGraphics
- Pass Parameters
- Set Up GDI+ Objects
- GDI+ Brush Object
- Override OnPaint
- Transparency Example
- Shaping Forms
- OwnerDraw Menu
- MenuItem Size
- Draw MenuItem
- TransparencyKey
- GraphicsPath
- Regions and Opacity
- The Basic Unit of Deployment
- Use ILDASM.EXE
- Private / Shared Assembly
- Deployment Options
- MSI
- Create New Package
- Select Files
- Build MSI File
- Install / Uninstall
- Registry / File Types
- Custom Actions
- Replace MSI Files
- Versioning
- Version Numbers
- Assembly Cache Viewer
- Using Strong Names
- SN.EXE
- Sharing Components
- Install in GAC
- Add Merge Module Project
- Example
- XCopy Deployment
- Security Settings
- Run Deployed Application
- Configure Evidence

- Configure Assembly Trust
- Summary
- Summary
- Summary
- Summary
- Summary
- Summary
- Summary

Working with Code

- Functions
- Declare Function
- Sub Procedure
- Parameters
- For Loop
- Do Loop
- If Statements
- Select Case
- Summary

Enumeration and Structures

- Enumeration
- Constants w/Enumeration
- Structures
- Enumeration w/Structure
- Summary

VB.NET Event Handling

- Delegates
- Event Handler
- Multiple Controls
- Multiple Handlers
- AddHandler
- Summary

Form And Control Events

- Inheritance Chain
- Form Events
- Mouse Events
- Keyboard Events
- KeyUp / KeyDown
- Disable Keys
- Control Events
- Validate Events
- Summary

Classes and Objects

- Class Usage
- CLR Types
- Object Creation
- Advantages
- Summary

Class Library

- Overview
- Properties
- View Library Object
- Set Reference
- Summary

Constructors

- Overview
- Imports Statement
- Call Constructor

- Naming Conventions
- Overload
- Summary

Properties

- Overview
- Fields vs. Properties
- Public Properties
- Use Private Field
- Advantages
- Validate
- Calculated
- Summary

Methods

- Overview
- Create Method
- Call Method
- Create Events
- Raise Event
- Declare Var w/Events
- Handle Events
- Dispose
- Summary

Tab Controls and Context Menu

- Tab Control
- TabAlignment
- TabAppearance
- Context Menu
- Context Menu Code
- TabPages Order
- Summary

Range Selection Controls

- TrackBar Control
- TrackBar Properties
- Shortcut Keys
- NumericUpDown
- DomainUpDown
- Properties
- Summary

Range Selection Code

- TrackBar Events
- Scroll Event
- ValueChanged Event
- Context Menus
- RadioCheck Procedure
- Change Properties
- Using Enum.Parse
- Summary

Option Controls

- GroupBox Control
- CheckBox
- ControlBox Options
- TopMost
- CheckBox Location
- Labels / Images
- RadioButton

- WindowState Property
- Summary

LinkLabel and List Controls

- LinkLabel
- LinkLabel Procedure
- ListBox
- ComboBox
- Fill ListBox
- Cast ListBox Items
- Anchoring
- Add Controls Dynamically
- Summary

Anchoring and CheckedListBox

- Anchoring Properties
- AutoScroll
- ListBox Options
- Select Event
- Toggling Visibility
- CheckedListBox
- CheckOnClick Property
- Summary

Docking and Splitter Controls

- Docking Concepts
- Splitter Control
- Build Split Object
- TextBox
- Set Border Style
- Summary

Dialog Control and Tab Order

- Dialog Controls
- Create Icon Object
- Create Color / Font Object
- Tab Order
- Summary

String Class

- Overview
- String Constructors
- Static / Shared Method
- CompareOrdinal
- Concat / Format / Join
- No Summary

Manipulating Strings

- Instance Methods
- String-returning Methods
- StringBuilder Class
- ToString Method
- Summary

Dates and Times

- Overview
- DateTime Constructors
- Shared Methods
- DateTime Properties
- Conversion Methods
- Calculation Methods
- DateTime Methods
- Using DateTime Type

Visual Basic .NET 2003

page 3

- Summary

TimeSpan Type

- Elapsed Time
- Create TimeSpan Values
- TimeSpan Properties
- Create a TimeSpan
- TimeSpan Fields / Methods
- Parse TimeSpan
- Summary

Exception Handling

- .NET Error Handling
- No Error Handling
- Simple Try / Catch Block
- Unhandled Error
- Exception Object
- Summary

Catching Specific Exceptions

- Overview
- Multiple Exceptions
- Exception Order
- Exception Hierarchy
- Summary

Throw and Finally

- Throw Keyword
- Exception Handling Options
- Passing Error Information
- InnerException
- Run Code Unconditionally
- Use Finally Block
- Summary

Debugging Environment

- Configure
- Configuration Properties
- Debug Setup / Use
- Debug Window
- Watch Expressions
- Conditional Breakpoint
- Multiple Languages
- Debug Stored Procedure
- Summary

Logging and Tracing

- Windows Event Log
- Create Event Log
- Write to / View Log
- Tracing Application
- Trace Switch / Listeners
- Write Trace Listeners
- Modify Configuration
- Summary

Understanding Inheritance

- Overview
- Inheritance Class
- Overriding
- Virtual
- Shadowing
- Protected

- Summary

Implementing Inheritance

- Supporting Inheritance
- Setting Class / Properties
- Override Methods
- Create Derived Class
- Overloads Overrides
- Implement Derived Class
- Overriding in Action
- Summary

Using Inheritance

- Customize Controls
- Create Derived Group Box
- Create Custom Control
- Create Custom Event
- Override Inherited Class
- Summary

Using Custom Controls

- Setting Up Component
- Add to Toolbox
- Create Control Toolbox
- Test Derived Control
- Summary

Polymorphism

- Overview
- Inheritance-based
- Base Class Type
- Summary

Using Interfaces

- Overview
- Work with Interfaces
- Implement Interfaces
- Implement IComparable
- IComparable.CompareTo
- Implement IComparer
- Use Dual Interfaces
- Summary

Selecting Files

- Useable Form Controls
- ShowDialog Method
- Filter Property
- Control Properties
- Events
- Summary

Path and FileSystemInfo

- Path Class
- Path Class Methods
- Directory / File Classes
- Object Hierarchy
- FileSystemInfo Class
- Directory Class Methods
- Create Directory Method
- Summary

TreeView Control

- Get Logical Drives
- Add Nodes
- Expand Nodes

- Get Folder Names
- View Expanded Tree
- File / Folder Properties
- TreeView After Select
- Polymorphism
- Summary

Reading and Writing Files

- Stream-based Objects
- FillList Procedure
- FileStream Object
- FileStream Reader
- Alternative Solutions
- StreamWriter
- Summary

Working with Arrays

- Overview
- Create Arrays
- Dynamically Sized Arrays
- Arrays as Objects
- Clone an Array
- User-defined Arrays
- Initializing Arrays
- Multidimensional Arrays
- Summary

Controlling Arrays

- Retrieve Array Items
- For Each Loop
- GetUpperBound Method
- Pass an Array
- System.Array Members
- Sort Arrays
- Search Arrays
- Summary

Arrays in .NET

- Array Examples
- Arrays and Text Files
- Resize Theory
- Sort TextLine Array
- Summary

ArrayList Class

- Overview
- Add / Insert Method
- AddRange Method
- Manipulate ArrayList
- ArrayList and Text Files
- Summary

HashTable and SortedList

- HashTable DataStructure
- Add Item to HashTable
- HashTable Theory
- Assign HashTable Value
- Retrieve From HashTable
- Iterate Through HashTable
- SortedList Class
- Summary

Stack Queue and Collections

- Stack And Queue Concepts

- Add Items
- Peek Method
- Pop / Dequeue
- Typed Collections
- Array Problems / Solutions
- FillTextLineCollection
- Summary

ADO.NET

- Overview
- Introduction to ADO.NET
- ADO.NET Classes
- OleDb vs. SqlClient
- System.Data
- ADO.NET Architecture
- Presentation Tier
- DataTable Object
- Filling a DataTable
- Summary

Connections and Commands

- Overview
- Set Up Connections
- Make the Connections
- Commands
- Command Object
- DataReader
- SqlDataReader
- Close Connections
- Summary

Working with Data

- Overview
- DataAdapter Object
- DataSet Object
- Filling a DataSet
- OleDb DataSet
- Iterate Rows and Bind
- Rows and Columns
- Using SqlDataAdapter
- Iterate Columns
- Summary

ADO.NET Providers

- Overview
- Choosing a Provider
- SQL Data Provider
- OLE DB Provider
- ODBC Data Provider
- Multiple Providers
- Use Interface Inheritance
- ReadData Procedure
- Using IDataReader
- Summary

Using COM Objects

- Overview
- Component Types
- .NET Advantages

(Continued on page 4)

Visual Basic .NET 2003

page 4

- CLR vs. COM
- Runtime Callable Wrapper
- Use VB6 COM Object
- Summary

Support Data to Excel

- Overview
- Working in Excel
- Send Data to Excel
- ReleaseComObject
- Explicitly Declare / Release
- Summary

Platform Invocation Services

- Overview
- Calling Windows API
- Create Wrapper Class
- Call Wrapper Class
- Summary

COM Callable Wrapper

- Overview
- Compiler
- Create COM Object
- Set Properties
- Calling .NET
- Summary

DataBinding Basics

- Overview
- .NET DataBinding
- Setting Up DataSource
- Data Adapter Wizard
- Generating a DataSet
- Bind DataGrid Control
- Add Fill Method
- Summary

Limiting Results

- Overview
- Query by Form
- Generate DataAdapter
- Categories DataSet
- Bind / Fill ComboBox
- Create Parameter Query
- ComboBox Categories
- Summary

Data Navigation

- Overview
- Context and Navigation
- Set Properties
- BindingContext
- Run Navigation Buttons
- Binding Alternatives
- Summary

Data Form Wizard

- Overview
- Access the Wizard
- Build from DataSet
- Run / Load Form
- Add / Bind Controls

- Bind Control in Code
- Bind Control to Controls
- Summary

Review Classic ASP

- Overview
- ASP Example
- Data Access Code
- ASP Object Model
- View Example
- Handling ASP Postbacks
- Mixing Code & HTML
- Generated HTML
- Summary

ASP vs. ASP.NET

- Overview
- Loosely-typed Code
- Limited Tools
- Obscure Settings
- Compiled Code
- XML-based Files
- Automatic Handling
- Summary

Create ASP.NET Application

- Overview
- Create New Project
- Web Form Layout
- HTML View
- Edit Control Properties
- Code Window
- Edit Code
- Test Application
- Rendering HTML
- Summary

Server Controls

- Overview
- Sample Page
- HTML Controls
- Work with HTML Controls
- Retrieve Data
- Hidden Control
- HTML Table Control
- Setting HTML Properties
- Summary

Using Web Controls

- Overview
- Sample Page
- DataGrid Properties
- Bind Data to DataGrid
- Use Control Events
- AutoPostBack
- Client-side Code
- Summary

Using DataSets

- Overview
- ADO.NET Object Model

- Advantages
- XML Bridge
- ASP.NET Using DataSet
- Caching Data Changes
- Accept / Reject Changes
- Constraints in DataSets
- Update Database
- Summary

Creating DataSets

- Overview
- Code Overview
- Page_Load Event
- Fill Method
- DataSet to Session
- Retrieve DataSet
- Add Constraints
- Constraints
- Add Relations
- Summary

Update with DataAdapters

- Overview
- Add Commands
- Get Commands
- ASP.NET DataGrid
- Custom Commands
- Add Parameters
- SourceVersion
- Stored Procedures
- Output Parameters
- Summary

AutoIncrement

- Overview
- Column Properties
- Value Conflicts
- AutoIncrement Strategy
- Summary

Transactional Model

- Overview
- ADO.NET Batch Process
- BeginEdit / EndEdit
- Explicit Transaction
- DataRowVersion
- RowState
- GetChanges Method
- AcceptChanges
- RejectChanges
- Summary

DataSets and XML

- Overview
- Data and Schema
- File Creation
- Create Nested XML
- Open XML Schema
- XML View

- Constraints
- Summary

DataSets and Nested XML

- Overview
- Open Nested Schema
- Reading XML File
- Implement XML Schema
- ReadXML
- Summary

Typed DataSets

- Overview
- Advantages
- Fill DataSet
- View Typed Schema
- Generate DataSet
- View Typed Objects
- Work with Typed DataSets
- Summary

Creating XML Schema

- Overview
- Create Typed DataSet
- Modify Schema
- Define Relationship
- Add Constraints
- Saving Schema
- Summary

Using Crystal Reports

- Overview
- Crystal Reports for VS.NET
- Report Layout
- Report Issues
- Setting Up Data
- Create Report
- View Expert Results
- Summary

Modifying Reports

- Overview
- Modify Fields
- Format Objects
- Format Sections
- Set Up to View Report
- Load Report
- View Report
- Summary

Crystal Reports Formula

- Overview
- Customized Behavior
- Background Formula
- Build Expression
- Review Expression
- Apply Formula to Report
- Calculated Fields
- Format Calculated Fields
- Summary

Grouping and Totaling Reports

- Overview

(Continued on page 5)

Visual Basic .NET 2003

page 5

- Group Options
- View Grouped Report
- Subtotal / Grand Total
- Format Options
- Filtering Reports
- Programmatic Filtering
- Summary

Windows Services

- Overview
- Starting Services
- Considerations
- Building Windows Services
- Windows Services Code
- Service Properties
- Build Service Installer
- Install Service
- Test / Uninstall
- Summary

Windows Service Example

- Overview
- Starting Example
- Event Procedures
- OnStart Event
- Install Setup
- Test
- Debug
- Summary

Understanding Web Service

- Overview
- Functionality Issues
- Web Service Code
- Test Web Service
- Service Providers
- Web Service
- Summary

Web Service Example

- Overview
- Sample Project
- Web Service Methods
- GetAllInventory Method
- GetInventory Method
- WSDL Document
- Namespace
- Summary

Web Service Clients

- Overview
- Adding Web References
- Web Reference Files
- Reference.vb
- Calling Web Services
- Retrieve Value
- Retrieve DataSet
- Summary

MS SOAP Toolkit

- Overview

- Downloading SOAP
- Set COM Reference
- Using SOAP
- Call Web Services
- Summary

Using UDDI

- Overview
- UDDI on the Web
- Search UDDI Service
- Add Reference
- Implement Web Service
- Summary

Binding to Views

- Overview
- Data Grid Controls
- Binding Context
- Adding Relationships
- Binding to Relations
- Summary

Formatting the DataGrid

- Overview
- Table Styles
- DataGridTableStyle Editor
- Format DataGrid
- DataGrid Format Property
- Summary

Restrict DataGrid Editing

- Overview
- Updating Columns
- Allow Edit / New / Delete
- Using DataViews
- Summary

ListBox Controls

- Overview
- ListBox Tools
- Add Items to ListBox
- Set ListBox Focus
- Bind to an Array
- Summary

Working with Images

- Overview
- Populating Options
- Populate ListBox
- Remove Header
- Picture Box
- Get Image
- Insert Image
- Clean Up Database
- Summary

Code Access Security

- Overview
- Security Features
- Code-based Security
- Policy Levels
- Configuration Tool
- Evidence

- Stack Walk
- Permission Requests
- How Managed Code Works
- Summary

Implementing Requests

- Overview
- Declarative Security
- Security Action
- Embedded Attributes
- Imperative Security
- Summary

Using Role-based Security

- Overview
- Concepts
- Principal Objects
- Enable Role Example
- Add New Group
- Security Implementation
- Validate Identity Role
- Set Security Attributes
- Permission in Code
- Summary

MDI Properties

- Overview
- Sample Project
- IsMdiChild
- IsMdiContainer
- Create MdiParent
- Code MDI Forms
- Summary

Menus in MDI

- Overview
- Merge Menus
- MDI List Properties
- Active MdiChild Properties
- MergeType / MergeOrder
- MDIChild Code
- Add Menus and Submenus
- Cut / Copy / Paste Code
- Summary