

Chapter 1: .NET Platform	
Client Specific Performance Objectives and Examples	1-2
What is .NET	3
Framework, Languages, and Tools	4
CLR: Common Language Runtime	5-6
Compilation in .NET	7
IL: Intermediate Language	8
Comparison Between J2EE and .NET Architectures	9
C#/VB/VB Features	10
.NET Framework	11-12
Relationships: Source Code and the .NET Framework	13
C#/VB and .NET	14
.NET Blueprint - Microsoft's Vision	15
MSIL and Common Type System	16
.NET - From Our Perspective	17-18
What are .NET Programs?	19
The Framework Class Libraries	20
How Translation Works in .NET	21
Result is Managed by CLR	22-23
Parts of the CLR	24
Chapter 2: Language Basics	
Client Specific Performance Objectives and Examples	1-2
Write and WriteLine	3
Visual Basic Naming Conventions	4-5
Declaring and Using Variables	6-7
Select and MSGBOX	8
Arithmetic Operators	9
Assignment Operators	10
Comparison Operators	11
Concatenation Operators	12
Logical/Bitwise Operators	13
Constants	14
Setting a Return Code	15-16
Display Command Arguments	17-18
Command Arguments in Sub	19-20
Properties Program	21-22
Statements	23
Structures and Nothing	24-31
IfThen/Else	32-33
Select and ReadLine	34
For Loop	35-36
Do Loops	37-38
	39-40

Chapter 5: VB6/VB.NET Differences	
Client Specific Performance Objectives and Examples	1-2
Passing Parameters	3-4
Optional Parameters	5-6
Variable Declaration	7
Data Types	8-9
APIs	10-11
Deprecated Commands	12-13
Debug Command	14
New Commands and Keywords	15-18
Arrays	19
Default Properties	20-21
Form Resize Code	22
Data Access Methods	23
Let and Get Property Procedures	24-26
Logical versus Bitwise Operations	27-28
Short Circuit Logic	29-30
Use Constants Instead of Underlying Values	31
Free Threading	32
Inheritance	33
Exception Handling	34
Overloading	35
Overriding Properties and Methods	36
Constructors and Destructors	37
Interfaces	38
Delegates	39
Shared Members	40
Namespaces	41
Bit Shift Operators	42
User Defined Types - UDT's	43
Option Explicit/Strict	44-45
String Manipulation Commands	46
MsgBox Differences	47-48
Reading Text Files	49-50
Read Entire File	51-52
Writing/Creating Text Files	53-54
File Exists	55-56
Returning Values from Functions	57-59
Chapter 6: Conversion Wizard	
Client Specific Performance Objectives and Examples	1-2
Migration Process	3-8
Using 2008 Upgrade Wizard	9
Upgrade Errors	10
Command Line	11
Change the Target Framework	12
Error Correction	13
Update Code	14

Chapter 3: OOP with VB.NET	
Client Specific Performance Objectives and Examples	1-2
VB and OO: Object Orientation	3
Polymorphism	4
Inheritance	5
Encapsulation	6
Class Example	7
Inherits	8
Create an Instance	9
Properties	10
Getting and Setting Properties	11
Property Procedures	12
Forename Property	13-15
Understanding Fields	16-17
Sample Class with Properties	18-21
Classes and Objects	22
Class Members	23
Properties and Fields	24
Methods	25-26
Constructors	27-28
Destructors	29
Events	30
Access Modifiers and Access Levels	31-32
Inheritance	33
Interfaces	34

Chapter 4: Exception Handling

Client Specific Performance Objectives and Examples	1-2
Unstructured/Structured Handling	3
Definitions: Errors and Exceptions	4
Structured versus Unstructured	5-6
Combine Structured and Unstructured	7
Structured Exception Handling	8
The Try...Catch...Finally block	9-10
Exception Object	11-15
Sample Exception	16
Unstructured Exception Handling	17-18
Sample of Unstructured Exception Handling	19

Chapter 7: Database Handling - ADO.NET	
Client Specific Performance Objectives and Examples	1-2
ADO and ADO.NET	3
New Features	4
ADO Model	5-6
ADO.NET	7
Forward-Only Read-Only Data Streams	8
Returning a Single Value	9
Disconnected Access to Data	10
ADO.NET Components	11-14
.NET Framework Data Providers	15
Core Objects	16
.NET Framework Data Provider for SQL Server	17
.NET Framework Data Provider for OLE DB	18
.NET Framework Data Provider for ODBC	19
.NET Framework Data Provider for Oracle	20
ADO.NET DataSet	21
DataSet Model	22
Create a DataSet	23
Add DataTable	24-25
Defining the Schema of a DataTable	26-28
Adding Data to a Table	29-32
Connection	33-34
Connection Events	35
Event Handler for the InfoMessage Event	36
StateChange Event	37
Executing a Command	38
CommandType Enumeration	39-41
DataReaders	42-43
Retrieving Multiple Result Sets using NextResult	44
Schema Information from the DataReader	45
GetSchema	46-48
Stored Procedures to Update Data	49-52
Modifying Data in a Data Source	53-54