Contents

Foreword	ix
Acknowledgments	хi
Introductionxi	ii
About the Author	
About the Technical Reviewer	
<pre>Part One Getting Started</pre>	
Introduction to VB.NET	3
Reviewing Programming Concepts	
Development Environment	13
Summary	25
Part Two Database Programming	
Chapter 2 Talking to Databases	9
What Exactly Is a Database?	29
Why Use a Database?	30
Database Management System	
Rows vs. Records	
Columns vs. Fields	
UserMan Database Schema)Z 47
Summary4	
•	
Chapter 3A Presenting ADO.NET:	
The Connected Layer $\dots \dots \dots$	19
Data-Related Namespaces	50
Providers	
Using Command Objects	
Using the DataReader Class	12
The DataAdapter Explained	31
Summary	41

Chapter 3B Presenting ADO.NET:	
The Disconnected Layer	143
Using the DataSet Class	
Using the DataTable Class	
Using the DataView Class	
Cursors	
COM Interop	
Summary	
Chapter 4 Presenting the IDE	
from a Database Viewpoint	193
Heing the Compar Typleror	100
Using the Server Explorer	206
Designing Databases with the Database Designer	
Using the Table Designer	
Designing Queries with the Query Designer	
Script Editing Using the SQL Editor	
Creating Typed Data Sets	
Summary	245
Chapter 5 Error Handling	247
Structured Exception Handling	248
CLR Handling of Structured Exceptions	
Unstructured Exception Handling	
Summary	
Chapter 6 Using Stored Procedures, Views,	
and Triggers	279
Optimization Issues	270
Using Stored Procedures	
Using Views	
Using Triggers	
Summary	

Chapter 7 Hierarchical Databases
Looking at LDAP
Chapter 8 Message Queues
Connectionless Programming
Chapter 9 Data Wrappers383
Why Use Data Wrappers?
Chapter 10 Data-Bound Controls
Data-Bound Controls vs. Manual Data Hooking

Contents

Part Three Example Applications
Chapter 11 UserMan
Identifying the UserMan Information427
Discovering the Objects428
Creating the Client440
Tips and Ideas441
Summary444
Index