

CONTENTS

Chapter 1 ■ Introduction to Web Applications	1
Introduction to Web Applications	2
Usage of Web Applications.....	2
Introduction to Markup Languages.....	3
HTML	3
HTML Page Anatomy.....	3
How Tags and Attributes Work	4
Basic Formatting Tags in HTML	6
The Styling Tags in HTML.....	10
Links in HTML	16
Tables in HTML	18
Bulleted Lists.....	19
Frames in HTML	21
Forms in HTML	22
Scripting Technologies	23
JavaScript Introduction.....	23
Introduction to CSS	28
Linking External CSS	29
Setting Background with CSS	30
Setting Color with CSS	36
Introduction to .NET Framework	37
The Need for .NET Framework.....	38
.NET Framework Architecture	39
Versions of Framework.....	41
Introduction to ASP.NET 2.0	41
Basic principles of ASP.NET 2.0.....	42
What's new in ASP.NET 2.0	42
Administration and Management	45
ASP.NET 2.0 Coding Techniques	46
Inline Coding Model.....	47
Code-Behind Model.....	47
ASP.NET 2.0 Pages.....	47
ASP.NET 2.0 Page Syntax.....	48
Summary	50
Chapter 2 ■ Getting Started with Visual Studio 2005	51
Introduction	52
System Requirements.....	52
Installing Visual Studio 2005.....	52
Installing IIS	52



Installing Visual Studio 2005.....	54
Opening Visual Studio 2005	57
Introduction to Visual Studio 2005 IDE.....	57
Start Page.....	57
Command Bars	58
Server Explorer Window	59
Solution Explorer Window	60
Class View Window.....	61
Properties Window	62
Document Outline Window	63
Object Browser Window	63
Code Editor Window	64
Design View	65
Source View.....	66
Intellisense Window.....	68
Introduction to Visual Basic 2005	68
The Visual Basic 2005 Keywords	69
Visual Basic 2005 Statements.....	70
Statement Syntax.....	71
The Option and Imports Statements	73
Declaring Constants	75
Declaring Variables.....	76
Data Types	78
Converting Between Data Types	79
Arithmetic Operators.....	81
String Concatenation.....	83
Commenting the Codes.....	84
Creating a Simple Web Application	84
Summary.....	88
Chapter 3 ■ Standard Controls	89
Introduction	90
Introduction to Control Class.....	90
Introduction to System.Web.UI.WebControl Class.....	92
TextBox and Password Control.....	94
The Button Control.....	96
Creating TextBox, Password, and Button Control	97
The Label Control.....	100
Creating Label Control	100
The Literal Control	102
Creating Literal Control	102
The Image Control.....	103

Creating Image Control	104
The ImageButton Control	106
Creating ImageButton Control	107
The ImageMap Control	109
Creating ImageMap Control	109
The DropDownList Control	112
Creating DropDownList Control	113
The CheckBox Control	115
The CheckBoxList Control	116
Creating CheckBox and CheckBoxList Control	117
The RadioButton Control	120
The RadioButtonList Control	121
Creating RadioButton and RadioButtonList Control	122
The Table Control	125
The TableRow Class	126
The TableCell Class	126
Creating Table Control	127
The Panel Control	129
Creating Panel Control	129
The AdRotator Control	132
Creating AdRotator Control	133
The Calendar Control	136
Creating Calendar Control	138
The HyperLink Control	140
Creating HyperLink Control	141
The FileUpload Control	143
Creating FileUpload Control	144
The HiddenField Control	146
Creating HiddenField Control	146
Summary	148
Chapter 4 ■ Navigation Controls	149
Introduction	150
The SiteMapPath Control	150
Creating SiteMapPath Control	151
The TreeView Control	159
Creating a TreeView Control	160
The Menu Control	168
Creating Static Menu	169
Creating Dynamic Menus	176
Summary	184

Chapter 5 ■ Validation Controls		185
Introduction		186
The BaseValidator Class		186
The RequiredFieldValidator Control		188
Creating RequiredFieldValidator Control		188
The RegularExpressionValidator Control		192
Creating RegularExpressionValidator Control		193
The CustomValidator Control		200
Creating CustomValidator Control		201
The RangeValidator Control		205
Creating RangeValidator Control		206
The CompareValidator Control		210
Creating CompareValidator Control		211
The ValidationSummary Control		215
Creating a ValidationSummary Control		216
The ValidationGroup Property		220
Creating ValidationGroup Property		220
Summary		224
Chapter 6 ■ Login Controls		225
Introduction		226
Creating User Accounts		226
The Login Control		230
The LoginName Control		234
The LoginStatus Control		237
The LoginView Control		243
The PasswordRecovery Control		247
Summary		258
Chapter 7 ■ WebParts Controls		259
Introduction to WebParts Controls		260
WebParts Controls Overview		260
WebPartManager Control		261
CatalogZone Control		262
EditorZone Control		263
WebPartZone Control		263
ConnectionsZone Control		264
Creating a Simple WebParts Page		265
Summary		274

Chapter 8 ■ Database Controls	275
Introduction	276
Connected Data Access	276
Disconnected Data Architecture—A Revolutionary Thought	276
ADO.NET (Active Data Object.NET)	277
Disconnected Data Architecture	277
Overview of ADO.NET Objects	278
SQL Primer.....	279
The Select Statement.....	279
The Where Clause	280
The Group By Clause.....	280
The SQL Built- in Functions	280
The Data Source Controls	281
SQLDataSource Control.....	281
The ObjectDataSource Control.....	288
The XmlDataSource Control	295
Introduction to Data Bound Controls	300
The DataList Control	300
Using DataList Control.....	302
The FormView Control.....	305
Using FormView Control.....	306
Summary.....	309
Chapter 9 ■ Master Pages and Themes	311
Introduction	312
Simple Master Pages	313
Nested Master Pages.....	319
Themes.....	321
Page.....	321
Global.....	322
Creating Themes	322
Using Multiple Themes	325
Summary	328
Chapter 10 ■ Deployment	329
Introduction	330
Deploying an ASP.NET Web Site using Copy Web Site Utility.....	330
Publishing a Web Site	335
Deploying an ASP.NET Web Site using MSI Installer.....	337
Summary.....	342

Chapter 11 ■ Introducing Silverlight 1.0	343
Introduction	344
Scenarios for Using Silverlight 1.0.....	344
Features of Silverlight 1.0.....	344
Silverlight 1.0 Architecture.....	345
Building Silverlight 1.0 Application.....	347
Installing Microsoft Expression Blend 2	347
Creating Silverlight Application.....	350
Summary	358