Table of Contents

Chapter 7: SOA and WCF	159
Understanding Application Size, Scope, and Granularity	160
Small Applications Versus Big Applications	160
Tight and Fine-Grained Domain Model	162
Coarse-Grained Model	163
What is SOA?	163
Why SOA?	164
Service Orientation	165
XML Web Services and SOAP Messages	167
Sample Project	168
Building a Service Interface	169
Consuming Services	172
Windows Communication Foundation	180
Sample Project using WCF	181
Summary	183
Chapter 8: Database Design	<u>185</u>
The Importance of a Database	187
Selecting the Right Database	187
Database Architecture and Design	189
Database Plan	189
Logical Design	190
An Example of a Logical Model	191
The Need for a Logical Data Model	193
The Domain Model Versus the Logical Data Model	193
Physical Data Model	194
Data Integrity	196
Normalization	196
Data Modeling using MS Visio	198
Creating Physical Tables	203
Creating Relationships	206
Summary	209
Chapter 9: Localization	211
Globalization and Localization	212
Browser Settings	213
Basic Steps for Globalizing an ASP.NET Website	214
Culture and Locale	215
How do we Define or Change the Current Culture?	215
Switching Locale	216
Resource Files Global Versus Local Resources	217 217
Creating Global Resources	217

7	Table of Contents
Creating Local Resources	219
Choosing between Global and Local Resources	220
Satellite Assemblies	220
Implicit Versus Explicit Localization	221
Incorporating Globalization	223
Setting the Culture of the Thread Based on User Selection	224
dir Attribute for Language Direction	227
Editing Resource Files after publishing in ASP.NET 3.5	228
Entering Foreign Language Characters: Input Method Editor (IME	) 229
Using a Database for Localization	232
Custom Resource-Provider-Model in ASP.NET	232
Summary	233
Index	235