I dedicate this book to my grandparents Sh. Roop Chand Thakur and Smt. Nirmala Devi.

Table of Contents

Preface Chapter 1: Introduction to Architecture and Design	<u> </u>
Software Architecture	<i>1</i> 7
Software Design	8
Architectural Styles	12
Architecture and Design in ASP.NET	12
Technology and Art	14
Architecture: First Steps	15
Design Patterns	16
Project Life Cycle	16
Project Initiation	17
Project Planning and Prototyping	17
Project Plan	18
Use Case Design	18
Prototyping Class Model	19 20
Database Model	20
Project Construction: Programming and Development	20
Project Transition and Release	21
Tiers and Layers	22
Physical Separation	23
Logical Separation	23
Single Tier—Single Layer Model	26
Single Tier—Two Layer Model	26
Single Tier—Three Layer Model	27
Two Tier Model	27
Two Tier—Two Layer Model	28
Three Tier Model	28
Summary	29