Table of Contents

Part One: Introduction
   Chapter 1: The Database Environment
   Chapter 2: Systems Analysis and Database Requirements
Part Two: Database Design Theory
   Chapter 3: Why Good Design Matters
   Chapter 4: Entities and Relationships
   Chapter 5: The Relational Data Model
   Chapter 6: Normalization
   Chapter 7: Database Structure and Performance Tuning
   Chapter 8: Codd’s Rules for Relational Database Design
Part Three: Relational Design Practice
   Chapter 9: Using SQL to Implement a Relational Design
   Chapter 10: Using CASE Tools for Database Design
   Chapter 11: Database Design Case Study #1: Mighty-Mite Motors
   Chapter 12: Database Design Case Study #2: East Coast Aquarium
   Chapter 13: Database Design Case Study #3: SmartMart
Part Four: Database Implementation Issues
   Chapter 14: Concurrency Control
   Chapter 15: Database Security
   Chapter 16: Data Warehousing
   Chapter 17: Data Quality
   Chapter 18: XML
Appendix A: Historical Antecedents