

BRIEF CONTENTS**PART I: DATABASE CONCEPTS**

Chapter 1: Database Systems

Chapter 2: Data Models

PART II: DESIGN CONCEPTS

Chapter 3: The Relational Database Model

Chapter 4: Entity Relationship (ER) Modeling

Chapter 5: Normalization of Database Tables

PART III: ADVANCED DESIGN AND IMPLEMENTATION

Chapter 6: Introduction to Structured Query Language (SQL)

Chapter 7: Advanced SQL

Chapter 8: Database Design

PART IV: ADVANCED DATABASE CONCEPTS

Chapter 9: Transaction Management and Concurrency Control

Chapter 10: Distributed Database Management Systems

Chapter 11: Object Oriented Databases

Chapter 12: The Data Warehouse

PART V: DATABASES & THE INTERNET

Chapter 13: Databases in Electronic Commerce

Chapter 14: Web Database Development

PART VI: DATABASE ADMINISTRATION

Chapter 15: Database Administration

GLOSSARY**INDEX**

The following appendixes are included on the CD-ROM that accompanies this text:

APPENDIX A **DESIGNING DATABASES WITH VISIO PROFESSIONAL: A TUTORIAL**

APPENDIX B **AN INTRODUCTION TO UNIFIED MODELING LANGUAGE (UML)**

APPENDIX C **DATABASE PERFORMANCE TUNING**

APPENDIX D **THE UNIVERSITY LAB: CONCEPTUAL DESIGN**

APPENDIX E **THE UNIVERSITY LAB: CONCEPTUAL DESIGN VERIFICATION, LOGICAL DESIGN, AND IMPLEMENTATION**

APPENDIX F **CLIENT/SERVER SYSTEMS**

APPENDIX G **CLIENT/SERVER NETWORK INFRASTRUCTURE**

APPENDIX H **THE HIERARCHICAL DATABASE MODEL**

APPENDIX I **THE NETWORK DATABASE MODEL**