

Table of Contents

1. The Worlds of Database Systems Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	1
2. The Relational Model of Data Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	13
3. Design Theory for Relational Databases Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	63
4. High-Level Database Models Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	121
5. Algebraic and Logical Query Languages Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	199
6. The Database Language SQL Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	237
7. Constraints and Triggers Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	303
8. Views and Indexes Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	333
9. SQL in a Server Environment Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	361
10. Advanced Topics in Relational Databases Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	417
11. The Semistructured-Data Model Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	473
12. Programming Languages for XML Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	507
13. Secondary Storage Management Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	545

14. Index Structures	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	607
15. Query Execution	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	689
16. The Query Compiler	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	747
17. Coping With System Failures	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	831
18. Concurrency Control	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	871
19. More About Transaction Management	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	941
20. Parallel and Distributed Databases	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	973
21. Information Integration	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	1023
22. Database Systems and the Internet	
Hector Garcia-Molina/Jeffrey Ullman/Jennifer Widom	1079
Index	1121