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Autore	Nilsson, Ulf
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Autore	Mikhail Rana Farid
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Altri autori (Persone)	BerndtDonald J KandelAbraham
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Nota di contenuto	Preface; Acknowledgments; Contents; 1. Introduction; 2. SpecDB: A Database Design for Software Specifications; 3. Representing Formal Specifications in SpecDB: A Translation Algorithm; 4. An Automated Constraint Generator; 5. A Reverse Engineering Testing Tool; 6. Enhancing Other Testing Tools Using SpecDB; 7. Conclusion and Future Work; Appendix A SQL Scripts for SpecDB Constraints; Appendix B PL/SQL Constraint Generator Code; Bibliography; Index
Sommario/riassunto	This book introduces SpecDB, an intelligent database created to represent and host software specifications in a machine-readable format, based on the principles of artificial intelligence and unit testing database operations. SpecDB is demonstrated via two automated intelligent tools. The first automatically generates database constraints from a rule-base in SpecDB. The second is a reverse engineering tool that logs the actual execution of the program from the code.