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Descrizione fisica	1 online resource (XV, 178 p. 99 illus.)
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Soggetti	Software engineering Programming languages (Electronic computers) Computers Software Engineering Programming Languages, Compilers, Interpreters Models and Principles
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Analysis and Design -- 2 Specification of Constraints -- 3 Implementation Technology -- 4 Mapping Models to Code -- 5 Data Management -- 6 Software Verification.
Sommario/riassunto	This book takes a formal approach to teaching software engineering, using not only UML, but also Object Constraint Language (OCL) for specification and analysis of designed models. Employing technical details typically missing from existing textbooks on software engineering, the author shows how precise specifications lead to static verification of software systems. In addition, data management is given the attention that is required in order to produce a successful software project. Uses constraints in all phases of software development Follows recent developments in software technologies Technical coverage of data management issues and software verification Illustrated throughout to present analysis, specification, implementation and verification of multiple applications Includes end-of-chapter exercises and Instructor Presentation Slides.

