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Descrizione fisica	1 online resource (200 pages) : illustrations
Collana	De Gruyter Textbook
Disciplina	006.78
Soggetti	Web applications
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontmatter -- Foreword -- Contents -- List of Figures -- List of Tables -- Part I: Associations -- Introduction -- 1 Reference Properties and Unidirectional Associations -- 2 Implementing Unidirectional Functional Associations with Plain JS -- 3 Implementing Unidirectional Non-Functional Associations with Plain JS -- 4 Implementing Unidirectional Functional Associations with Java EE -- 5 Unidirectional Non-Functional Associations with Java EE -- 6 Unidirectional Associations Practice Projects -- 7 Bidirectional Associations -- 8 Implementing Bidirectional Associations with Plain JS -- 9 Implementing Bidirectional Associations with Java EE -- 10 Special Topics on Associations -- 11 Bidirectional Associations Practice Projects -- Part II: Inheritance in Class Hierarchies -- Introduction -- 12 Subtyping and Inheritance -- 13 Subtyping with Plain JS -- 14 Subtyping with Java EE -- 15 Subtyping Practice Projects -- Glossary -- Index
Sommario/riassunto	Today, web applications are the most important type of software applications. This textbook shows how to design and implement them, using a model-based engineering approach that covers general information management concepts and techniques and the two most relevant technology platforms: JavaScript and Java. The book provides

an in-depth tutorial for theory-underpinned and example-based learning by doing it yourself, supported by quiz questions and practice projects. Volume 1 provides an introduction to web technologies and model-based web application engineering, discussing the information management concepts of constraint-based data validation, enumerations and special datatypes. Volume 2 discusses the advanced information management concepts of associations and inheritance in class hierarchies. Web apps are designed using UML class diagrams and implemented with two technologies: JavaScript for front-end (and distributed NodeJS) apps, and Java (with JPA and JSF) for back-end apps. The six example apps discussed in the book can be run, and their source code downloaded, from the book's website.
