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	ISBN	9781484231531
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	Edizione	[2nd ed. 2017.]
	Descrizione fisica	1 online resource (XXII, 320 p. 65 illus., 22 illus. in color.)
	Disciplina	005.1
	Soggetti	Java (Computer program language)
		Programming languages (Electronic computers)
		Java
		Programming Languages, Compilers, Interpreters
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"Learn the principles of good software design, and how to turn those principles into great code."
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	1. Introduction to Software Development -- 2. Software Process Models -- 3. Project Management Essentials -- 4. Requirements -- 5. Software Architecture -- 6. Design Principles -- 7. Structured Design -- 8. Object-Oriented Overview -- 9. Object-Oriented Design Principles -- 10. Object-Oriented Design Patterns -- 11. Design Patterns -- 12. Parallel Programming -- 13. Parallel Design Patterns -- 14. Code Construction -- 15. Debugging -- 16. Unit Testing -- 17. Code Reviews and Inspections -- 18. Ethics and Professional Practice -- 19. Wrapping it All Up.
	Sommario/riassunto	Learn the principles of good software design, and how to turn those principles into great code. This book introduces you to software engineering — from the application of engineering principles to the development of software. You'll see how to run a software development project, examine the different phases of a project, and learn how to design and implement programs that solve specific problems. It's also about code construction — how to write great programs and make them work. Whether you're new to programming or have written hundreds of applications, in this book you'll re-examine what you

already do, and you'll investigate ways to improve. Using the Java language, you'll look deeply into coding standards, debugging, unit testing, modularity, and other characteristics of good programs.
With Software Development, Design and Coding, author and professor John Dooley distills his years of teaching and development experience to demonstrate practical techniques for great coding.