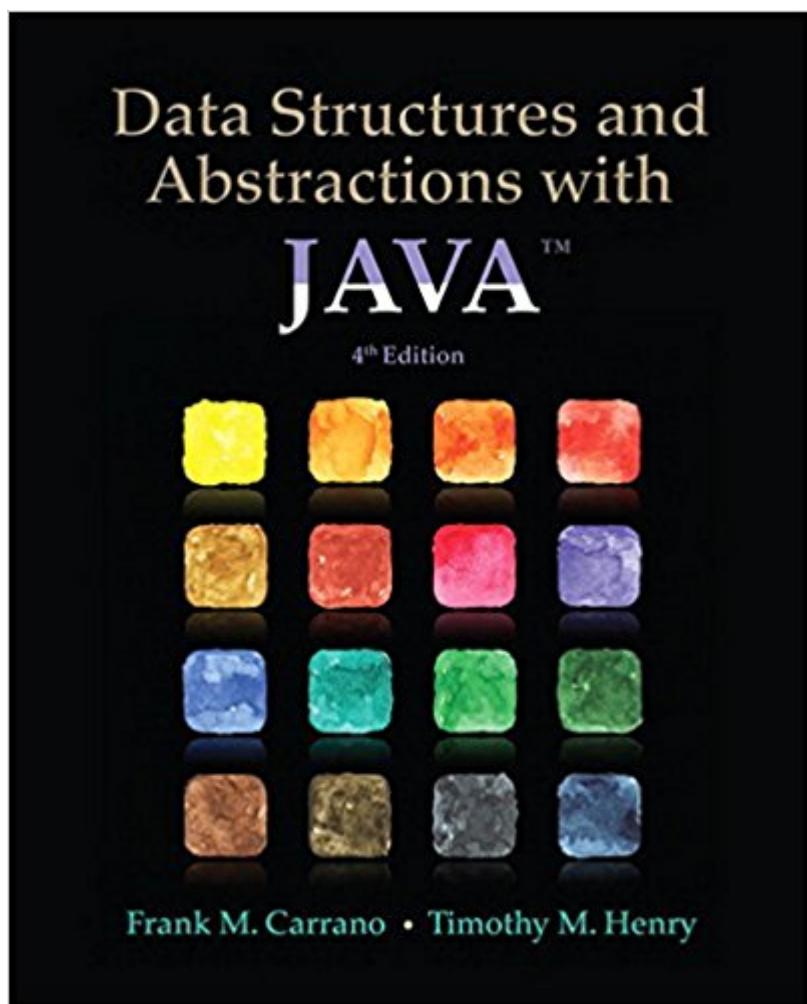


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Data Structures And Abstractions With Java (4th Edition)



Synopsis

Data Structures and Abstractions with Java is suitable for one- or two-semester courses in data structures (CS-2) in the departments of Computer Science, Computer Engineering, Business, and Management Information Systems. This book is also useful for programmers and software engineers interested in learning more about data structures and abstractions. This is the most student-friendly data structures text available that introduces ADTs in individual, brief chapters • each with pedagogical tools to help students master each concept. Using the latest features of Java, this unique object-oriented presentation makes a clear distinction between specification and implementation to simplify learning, while providing maximum classroom flexibility.

Teaching and Learning Experience This book will provide a better teaching and learning experience• for you and your students. It will help: Aid comprehension and facilitate teaching with an approachable format and content organization: Material is organized into small segments that focus a reader's attention and provide greater instructional flexibility. Support learning with student-friendly pedagogy: In-text and online features help students master the material.

Book Information

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Customer Reviews

The concepts are pretty well presented and the examples do a good job at reinforcing each topic. My only complaint is that there does seem to be a bit of information missing. I'm not sure if they expect you to remember everything you've ever learned in past Java classes, or if I never learned

some of the concepts in depth from said Java classes. My professor supplies his own supplementary materials to go with each chapter due past complaints about the book's lack of explanation on key concepts. Still, It's a fine book with a lot of great information that is logically mapped out.

I'm about half way through this textbook and it's further than I've gotten in any of the other oft recommended data structures textbooks. Which, in my opinion, is a great endorsement of this textbook's style and content. This book bridges the gap nicely from a second semester Java course into the higher level data structures and algorithms classes. You need to have a firm grasp of Java OOP principles, (things like inheritance, generics, and interfaces) but you don't need to be a master of these topics. This book also includes a gentle introduction to big-O analysis and sets the stage for thoughtful data structure design and usage with care for security and what seems like robust programming practices. Where other books may include sloppy and/or dangerous style, this author's coding style is one that I'm happy to emulate at least for the remainder of the book. I will say that this book is not a comprehensive algorithm textbook but as far as nailing down the theory and design of abstract data types and data structures, I feel invigorated by the examples and practice problems in this book. I'm glad my class requires this text and I look forward to furthering my study with the other more revered Algorithms books once I've become a little more mature in my baseline understanding, which this book seems to be solidifying nicely.

Book came right on time! Got what I expected, and the book was brand new. The book, however, is very similar to the 3rd edition of the same book, but organized a bit differently. Overall, I thought it was a good buy.

The book was damaged more than I thought.

good if the price is lower i will keep one

Very clear and comprehensible.

Just what I needed and just in time for class.

Good book for learning data structures

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