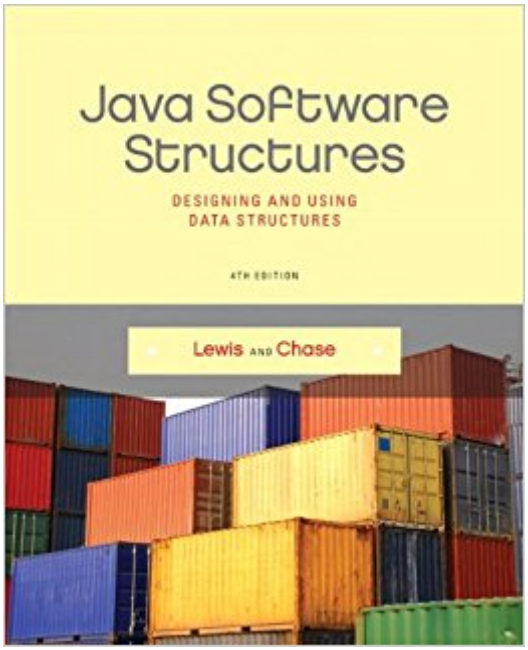
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Java Software Structures: Designing And Using Data Structures (4th Edition)



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Synopsis

The fourth edition of Java Software Structures embraces the enhancements of the latest version of Java, where all structures and collections are based on generics. The framework of the text walks the reader through three main areas: conceptualization, explanation, and implementation, allowing for a consistent and coherent introduction to data structures. Readers will learn how to develop high-quality software systems using well-designed collections and algorithms.

Book Information

Paperback: 696 pages

Publisher: Pearson; 4 edition (March 7, 2013)

Language: English

ISBN-10: 0133250121

ISBN-13: 978-0133250121

Product Dimensions: 7.3 x 1 x 9.1 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars 25 customer reviews

Best Sellers Rank: #165,084 in Books (See Top 100 in Books) #52 inÃ Â Books > Textbooks > Computer Science > Algorithms #120 inÃ Â Books > Computers & Technology > Programming > Algorithms #199 inÃ Â Books > Computers & Technology > Programming > Languages & Tools > Java

Customer Reviews

The book is reasonably well put together and follows an understandable format. I have used the previous book in this series as well for programming I and II.The course that I am using this book for is not well aligned with what the book contains. I find myself getting basic concepts from the book and having to do research on the web to actually be able to do the homework, quizzes and tests. This is a bit frustrating as the book is expensive and I could have done the course without the book and using the web for all the needed information.As a side note, the 3rd edition does not seem that much different than the 4th edition. the 3rd edition is cheap.

As many other reviews have mentioned, the book is a piece of garbage.- Large number of errors.- Exposition that makes no sense.- Tells you to implement something, but does not show you how.- Only few contrived code examples. You will learn almost nothing, and the code usually does not compile.Data Structures and algorithms are extremely important stuff. When you apply for IT jobs,

usually the recruiter will have you do an online assessment where algorithms are heavily emphasized. If you do well on the assessment, then you are invited to interviews, where more algorithm-related questions will be asked. If you study this book, you will likely fail those tests and interviews.If you want to learn data structures and algorithms, I would highly recommend "Algorithms" by Robert Sedgewick. That book is clear, engaging, and includes good Java codes. On Corsera there is a free course taught by none other than Sedgewick himself. After finishing the book and course, you might want to go over the book by Thomas Cormen and improve your problem solving skills.

The book does not delve into sufficient detail for any abstract data types (aside from stacks and queues, possibly) although it certainly takes enough pages to make you think that it would. The simple ADTs are belabored, while the more interesting ones are glossed over. At best, the book introduces you to the ADTs, why they are used, and a very small amount of what goes into implementing them. The section on red-black trees is especially irritating. It describes the rules of the red-black tree, the steps in bullet-point form for handling each case of insertion/removal, and little more. There is no motivation for why these steps should occur, and it is not something you can infer from the text.In place of good explanations, most chapters are scattered with Java interface "code," useless simple UML diagrams, and buggy, poorly written code. In the margins are "Key Concepts," which are nothing more than almost verbatim restatements of what frequently seems like a random sentence on the page with little to no value.I've been reviewing this from the perspective of someone who wants to know about data structures more intimately, not just someone who is looking for an introductory text. Still, to people looking for the amount of coverage given to data structures in this book, I would suggest looking elsewhere. The current price is really kind of ridiculous for what can be gleaned from this text.I have to say that I find it insulting that this book is in its third edition, that it currently costs one hundred dollars, and that it is written by people who know better.

Most of the code is janky and requires a ton of work to get working correctly. There is also no student version of the source code from the book online since Pearson locks it down. I would, quite literally, never buy this book if i wasn't convinced by my instructor i 'had' to have it. Too bad I can't get a refund for the rental.

Fora book about Java they spend a lot of time telling ou what they feel is wrong with Java. Not a lot

of code examples given for the eexecises and chapters. Definitely should know Java well before you try to use this book.

I used the java software solutions book by Lewis for programming I & II. This book will be used for data structures class in the fall 2013 semester but I have bought it early and read most of it. The book is laid out well and fairly easy to read with problems and a summary for each chapter.If you get a great deal (under $60) on this book, I would buy it. This review is for the 3rd Edition, the 4th edition is out currently.

I rented this book for school and I ended up wishing I purchased it instead! It has great information and is written very clearly.

It arrived in good condition, and is actually very useful for my class so far. I'm working on a program using stacks, and the ArrayStack and LinkedStack classes that are partially outlined in the chapter have been very helpful.

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