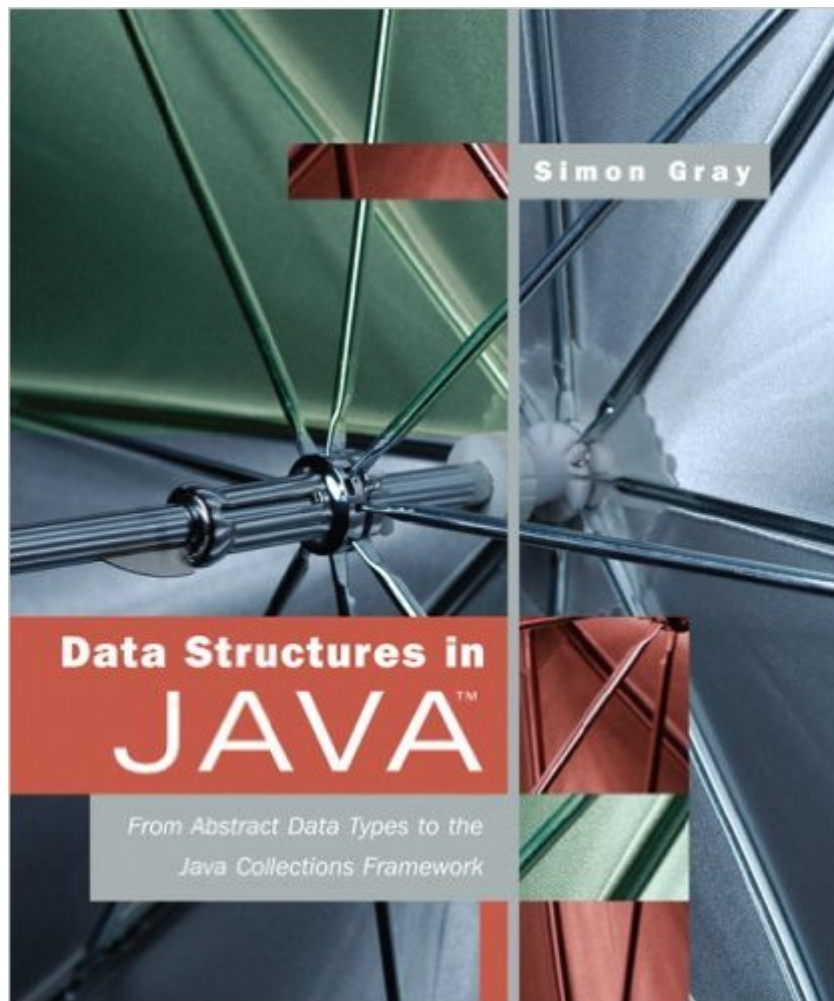


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# Data Structures In Java: From Abstract Data Types To The Java Collections Framework



## Synopsis

This book focus is on the design of data structures and takes the reader through the design phase of developing the ADTs in abstract terms, then developing the methods, discussing the alternatives and potential pitfalls. Each collection type is presented as an Abstract Data Type(ADT) and then tested before implementation. There is extensive use of UML and all collections developed are designed to work within the Java Collections Framework(JCF). Readers who want to become independent problem-solvers and master abstraction, software testing and object-oriented concepts.

## Book Information

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## Customer Reviews

Let me preface this with the fact that I'm a computer science student who already knows a pretty good deal about Java OO and I'm a pretty obsessed with efficiency already. I had to buy this book for a class. First things first: This book lost one whole star because when I first bought it I thought I had been ripped off(I bought it as 'new'). Let me explain ---The book comes entirely in black and white, and while I'm not really a stickler for that sort of thing -- it appears as if the source material was originally in color and someone had just hit 'B&W' on the printing press or something. The result is a book riddled with white fade lines throughout the book, making all diagrams and gui screenshots impossible to read. On top of all of that, there's no real formatting other than line numbers to code. Besides all that the though the code is hard to follow anyway due to unorganized feeling I get when trying to read the text - the author will dance around a class implementation

without actually showing you the class's code until the very end of the topic, which is frustrating. This makes code examples extremely hard to dissect and therefore I can't really attest to any errors because I didn't have the patience to go through them all. The book lost another star because although in chapter 2 it discusses in great detail what Big Oh is, I believe it fails to stress how important algorithmic efficiency actually is - perhaps the author feels it isn't that important. I say this because although the book has very good and detailed information on things like List and Binary Tree API, it only stresses what I assume to be the author's favorite implementations and not necessarily the most efficient implementation. (Example: 1 page(!

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