Data Structures in Java: From Abstract Data Types to the Java Collections Framework

By Simon Gray

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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.

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From the Back Cover
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