



# Software Development and Professional Practice (Expert's Voice in Software Development)

*John Dooley*

Download now

[Click here](#) if your download doesn't start automatically

# Software Development and Professional Practice (Expert's Voice in Software Development)

*John Dooley*

**Software Development and Professional Practice (Expert's Voice in Software Development)** John Dooley

*Software Development and Professional Practice* reveals how to design and code great software. What factors do you take into account? What makes a good design? What methods and processes are out there for designing software? Is designing small programs different than designing large ones? How can you tell a good design from a bad one? You'll learn the principles of good software design, and how to turn those principles back into great code.

*Software Development and Professional Practice* is also about code construction—how to write great programs and make them work. What, you say? You've already written eight gazillion programs! Of course I know how to write code! Well, 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. You'll also talk about reading code. How do you read code? What makes a program readable? Can good, readable code replace documentation? How much documentation do you really need?

This book introduces you to software engineering—the application of engineering principles to the development of software. What are these engineering principles? First, all engineering efforts follow a defined process. So, you'll be spending a bit of time talking about how you run a software development project and the different phases of a project. Secondly, all engineering work has a basis in the application of science and mathematics to real-world problems. And so does software development! You'll therefore take the time to examine how to design and implement programs that solve specific problems.

Finally, this book is also about human-computer interaction and user interface design issues. A poor user interface can ruin any desire to actually use a program; in this book, you'll figure out why and how to avoid those errors.

*Software Development and Professional Practice* covers many of the topics described for the ACM Computing Curricula 2001 course C292c Software Development and Professional Practice. It is designed to be both a textbook and a manual for the working professional.

## **What you'll learn**

- How to design and code great software
- What methods and processes are available to help you design great software
- How to apply software engineering principles to your daily coding practice
- How to tell a good design from a bad one?
- Understand the characteristics of good programs

- How to construct professional standard code that you can be proud to show
- Understand all about coding standards, and apply them to real Java coding
- Explore debugging, unit testing and modularity
- All about object-oriented programming (OOP) design principles and great coding
- How to apply the principles you've learned to specific and real-world coding problems
- A companion to the ACM Computing Curricular 2001 source C202c

## Who this book is for

*Software Development and Professional Practice* is designed to be both a textbook and a manual for the working professional programmer, and any student of programming who wants to learn the art of the trade. This book assumes you know some Java, enough to read its examples at least, and that you've already done some programming. Now you want to write great code!

This book covers many of the topics described for the ACM Computing Curricula 2001 course C292c Software Development and Professional Practice, and will be a great companion to anyone studying this course.

## Table of Contents

1. Introduction to Software Development
2. Process Life Cycle Models
3. Project Management Essentials
4. Requirements
5. Software Architecture
6. Design Principles
7. Structured Design
8. Object-Oriented Analysis & Design—An Overview
9. Object-Oriented Analysis & Design—A Play in Several Acts
10. Object-Oriented Design Principles
11. Design Patterns
12. Code Construction
13. Debugging
14. Unit Testing
15. Walkthroughs, Code Reviews and Inspections
16. Wrapping it All Up

 [Download Software Development and Professional Practice \(Ex ...pdf](#)

 [Read Online Software Development and Professional Practice \( ...pdf](#)

## **Download and Read Free Online Software Development and Professional Practice (Expert's Voice in Software Development) John Dooley**

---

### **From reader reviews:**

#### **Victoria Williams:**

Have you spare time for the day? What do you do when you have much more or little spare time? Yeah, you can choose the suitable activity to get spend your time. Any person spent their own spare time to take a stroll, shopping, or went to often the Mall. How about open or even read a book entitled Software Development and Professional Practice (Expert's Voice in Software Development)? Maybe it is to become best activity for you. You recognize beside you can spend your time using your favorite's book, you can more intelligent than before. Do you agree with its opinion or you have different opinion?

#### **Benjamin Ward:**

Do you certainly one of people who can't read pleasurable if the sentence chained inside the straightway, hold on guys this kind of aren't like that. This Software Development and Professional Practice (Expert's Voice in Software Development) book is readable by simply you who hate the perfect word style. You will find the data here are arrange for enjoyable reading through experience without leaving also decrease the knowledge that want to provide to you. The writer involving Software Development and Professional Practice (Expert's Voice in Software Development) content conveys the thought easily to understand by lots of people. The printed and e-book are not different in the content material but it just different as it. So , do you still thinking Software Development and Professional Practice (Expert's Voice in Software Development) is not loveable to be your top collection reading book?

#### **Betty Perez:**

Your reading sixth sense will not betray a person, why because this Software Development and Professional Practice (Expert's Voice in Software Development) e-book written by well-known writer we are excited for well how to make book which can be understand by anyone who also read the book. Written in good manner for you, dripping every ideas and publishing skill only for eliminate your personal hunger then you still skepticism Software Development and Professional Practice (Expert's Voice in Software Development) as good book not just by the cover but also through the content. This is one guide that can break don't assess book by its protect, so do you still needing an additional sixth sense to pick this particular!? Oh come on your looking at sixth sense already told you so why you have to listening to a different sixth sense.

#### **Clyde Okane:**

As we know that book is significant thing to add our information for everything. By a publication we can know everything we want. A book is a set of written, printed, illustrated or even blank sheet. Every year has been exactly added. This guide Software Development and Professional Practice (Expert's Voice in Software Development) was filled about science. Spend your spare time to add your knowledge about your scientific disciplines competence. Some people has distinct feel when they reading some sort of book. If you know how big advantage of a book, you can really feel enjoy to read a book. In the modern era like today, many

ways to get book that you just wanted.

**Download and Read Online Software Development and Professional Practice (Expert's Voice in Software Development) John Dooley #49ZYJCLQIWN**

## **Read Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley for online ebook**

Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley books to read online.

## **Online Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley ebook PDF download**

**Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley Doc**

Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley Mobipocket

Software Development and Professional Practice (Expert's Voice in Software Development) by John Dooley EPub