



# Practical Software Testing: A Process-Oriented Approach (Springer Professional Computing)

*By Ilene Burnstein*

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## **Practical Software Testing: A Process-Oriented Approach (Springer Professional Computing) By Ilene Burnstein**

Based on the needs of the educational community, and the software professional, this book takes a unique approach to teaching software testing. It introduces testing concepts that are managerial, technical, and process oriented, using the Testing Maturity Model (TMM) as a guiding framework. The TMM levels and goals support a structured presentation of fundamental and advanced test-related concepts to the reader. In this context, the interrelationships between theoretical, technical, and managerial concepts become more apparent. In addition, relationships between the testing process, maturity goals, and such key players as managers, testers and client groups are introduced. Topics and features:

- Process/engineering-oriented text
  - Promotes the growth and value of software testing as a profession
  - Introduces both technical and managerial aspects of testing in a clear and precise style
  - Uses the TMM framework to introduce testing concepts in a systematic, evolutionary way to facilitate understanding
  - Describes the role of testing tools and measurements, and how to integrate them into the testing process
- Graduate students and industry professionals will benefit from the book, which is designed for a graduate course in software testing, software quality assurance, or software validation and verification

Moreover, the number of universities with graduate courses that cover this material will grow, given the evolution in software development as an engineering discipline and the creation of degree programs in software engineering.

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**Practical Software Testing: A Process-Oriented Approach (Springer Professional Computing) By Ilene Burnstein Bibliography**

- Sales Rank: #1663179 in Books
- Published on: 2003-06-24
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 1.56" w x 7.01" l, 3.05 pounds
- Binding: Hardcover
- 710 pages

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"This book gives a broad ... introduction to software testing and related fields of software quality. ... The text is well-organized and easy to read. All basics of testing that you will expect from a textbook on that topic are covered. ... There are exercises at the end of each chapter." (Martin Glinz, Zentralblatt MATH, Vol. 1040 (9), 2004)

"This book has been written with the aim of providing an educational background for software testing professionals. ... I would say that the book fulfils its aim. It provides a good overview of the subject for aspiring testers; it contains useful resources such as a sample test-plan and a vast additional reference list at the end. It is certainly also useful as a reference book for more experienced professionals and managers ... . The book is easy to read, and I would definitely recommend it." (Silke Kuball, Software Testing Verification and Reliability, Vol. 14 (2), 2004)

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