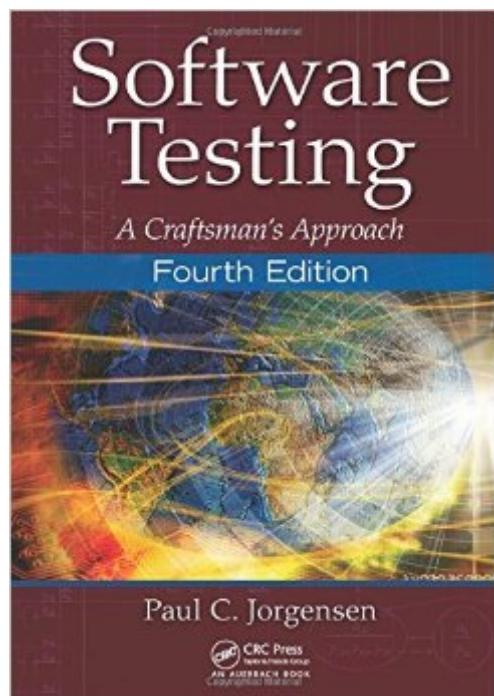


The book was found

Software Testing: A Craftsman's Approach, Fourth Edition



Synopsis

This updated and reorganized fourth edition of Software Testing: A Craftsman's Approach applies the strong mathematics content of previous editions to a coherent treatment of Model-Based Testing for both code-based (structural) and specification-based (functional) testing. These techniques are extended from the usual unit testing discussions to full coverage of less understood levels integration and system testing. The Fourth Edition: Emphasizes technical inspections and is supplemented by an appendix with a full package of documents required for a sample Use Case technical inspection Introduces an innovative approach that merges the Event-Driven Petri Nets from the earlier editions with the "Swim Lane" concept from the Unified Modeling Language (UML) that permits model-based testing for four levels of interaction among constituents in a System of Systems Introduces model-based development and provides an explanation of how to conduct testing within model-based development environments Presents a new section on methods for testing software in an Agile programming environment Explores test-driven development, reexamines all-pairs testing, and explains the four contexts of software testing Thoroughly revised and updated, Software Testing: A Craftsman's Approach, Fourth Edition is sure to become a standard reference for those who need to stay up to date with evolving technologies in software testing. Carrying on the tradition of previous editions, it will continue to serve as a valuable reference for software testers, developers, and engineers.

Book Information

Hardcover: 494 pages

Publisher: Auerbach Publications; 4 edition (October 18, 2013)

Language: English

ISBN-10: 1466560681

ISBN-13: 978-1466560680

Product Dimensions: 1 x 6 x 9 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars (See all reviews) (5 customer reviews)

Best Sellers Rank: #242,250 in Books (See Top 100 in Books) #99 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Testing #350 in Books > Textbooks > Computer Science > Software Design & Engineering #734 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development

Customer Reviews

rental is a great value

great

Good solid book on software testing. I purchased another book on the subject and it was not as good at covering all you need to know about software testing. I am glad to get this book.

I think this is a really good book, but I really needed to supplement it with external information. It's sort of like this book is part II of a series and I didn't read Part I. There is a lot of set theory and graph theory and if you really don't have a very strong grasp of that, you might not get what the author is trying to convey. Once you go back and get "the basics" on that various types of testing, and understand that, this book really does a great job. If it had that very basic material, along with a lot more examples, simple and complex, I could skip the supplemental training. So get the book - I really think you will get some very useful things out of it. But do not be too surprised if you find yourself looking for YouTube videos explaining Boundary Value Analysis and then coming back to the book.

First and foremost, I have no connection to Dr. Jorgensen, his classes, or the school at which he teaches. I say this first so that it is known that this review is from a student who was assigned this book for a class. The second reason I make this point is because Dr. Jorgensen also has a book titled "Modeling Software Behavior". I enjoyed Dr. Jorgensen's writing style so much that I have ordered the other book. It is apparent to me that these books are truly written by "...A Craftsman". This is one of the books required for my graduate level "Software Testing, Validation, and Verification" class. Another book is "Foundations of Software Testing" written by Mathur. Of the two I, without any doubt, prefer Dr. Jorgensen's book (this book). In Part I, Dr. Jorgensen provides a clear and concise foundation for software testing that should easily answer the question "why do we test". Chapter 1 A Perspective on Testing Chapter 2 Examples includes software examples (simple ATM machine, currency converter, etc.) and an embedded software example (windshield wiper system). Chapter 3 Discrete Math for Testers is a refresher in the discrete mathematics topics that are needed by testers. Dr. Jorgensen's writing style is such that I learned to see certain topics from a different, more enlightened perspective. Chapter 4 Graph Theory for Testers is a refresher in the topics of graph theory that is needed by testers. Part II of the book covers "Unit Testing". Chapter 5 Boundary Value Testing Chapter 6 Equivalence Class Testing Chapter 7 Decision Table-Based

TestingChapter 8 Path TestingChapter 9 Data Flow TestingChapter 10 Retrospective on Unit TestingPart III Beyond Unit TestingChapter 11 Lifecycle Based TestingChapter 12 Model-Based TestingChapter 13 Integration TestingChapter 14 System TestingChapter 15 Object Oriented TestingChapter 16 Software ComplexityChapter 17 Model Based Testing for Systems of SystemsChapter 18 Exploratory TestingChapter 19 Test-Driven DevelopmentChapter 20 A Closer Look at All Pairs TestingChapter 21 Evaluating Test CasesChapter 22 Software Technical ReviewsChapter 23 Epilogue: Software Testing ExcellenceAs one can see, this book covers a wide range of topics. It is well written, clear and concise. This book is not hard to read and is, in my opinion, enjoyable to read. This book is a fine example of an author that makes it enjoyable to read and learn. In my opinion this book is worth every penny one might have to pay.MM

[Download to continue reading...](#)

Software Testing: A Craftsman's Approach, Fourth Edition Daniels and Worthingham's Muscle Testing: Techniques of Manual Examination and Performance Testing, 9e (Daniels & Worthington's Muscle Testing (Hislop)) The Basics of Hacking and Penetration Testing, Second Edition: Ethical Hacking and Penetration Testing Made Easy Lessons Learned in Software Testing: A Context-Driven Approach Penetration Testing: Communication Media Testing (EC-Council Press) ACSM's Resource Manual for Guidelines for Exercise Testing and Prescription (Ascms Resource Manual for Guidlies for Exercise Testing and Prescription) Ruppel's Manual of Pulmonary Function Testing, 10e (Manual of Pulmonary Function Testing (Ruppel)) Manual of Pulmonary Function Testing, 9e (Manual of Pulmonary Function Testing (Ruppel)) Testing Women, Testing the Fetus: The Social Impact of Amniocentesis in America (The Anthropology of Everyday Life) Testing Computer Software, 2nd Edition by Kaner, Cem, Falk, Jack, Nguyen, Hung Q. 2nd (second) edition [Paperback(1999)] Evaluation and Testing in Nursing Education: Fourth Edition (Springer Series on the Teaching of Nursing) Software Engineering Classics: Software Project Survival Guide/ Debugging the Development Process/ Dynamics of Software Development (Programming/General) Surreptitious Software: Obfuscation, Watermarking, and Tamperproofing for Software Protection: Obfuscation, Watermarking, and Tamperproofing for Software Protection Advanced Software Testing - Vol. 3, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Technical Test Analyst Testing Computer Software, 2nd Edition Foundations of Software Testing (2nd Edition) Advanced Software Testing - Vol. 2, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Test Manager Software Reuse: A Holistic Approach (Wiley Series in Software-Based Systems) Developer Testing: Building Quality into Software (Addison-Wesley Signature Series (Cohn)) Software Testing and Analysis: Process, Principles and Techniques

[Dmca](#)