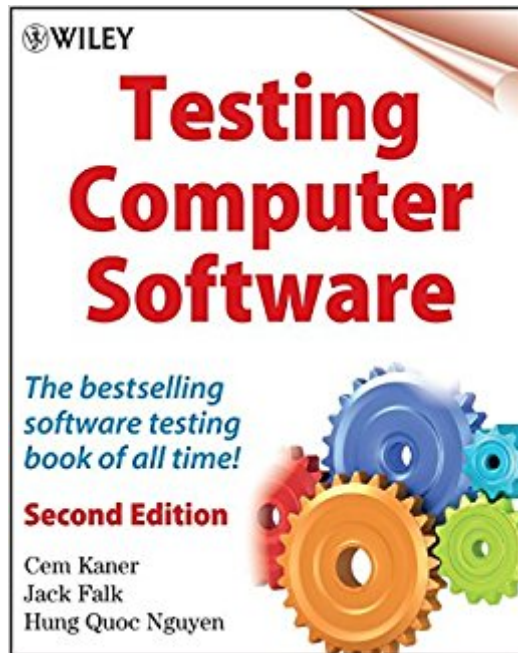# Testing Computer Software, 2nd Edition

Synopsis

This book will teach you how to test computer software under real-world conditions. The authors have all been test managers and software development managers at well-known Silicon Valley software companies. Successful consumer software companies have learned how to produce high-quality products under tight time and budget constraints. The book explains the testing side of that success. Who this book is for: * Testers and Test Managers * Project Managers-Understand the timeline, depth of investigation, and quality of communication to hold testers accountable for. * Programmers-Gain insight into the sources of errors in your code, understand what tests your work will have to pass, and why testers do the things they do. * Students-Train for an entry-level position in software development. What you will learn: * How to find important bugs quickly * How to describe software errors clearly * How to create a testing plan with a minimum of paperwork * How to design and use a bug-tracking system * Where testing fits in the product development process * How to test products that will be translated into other languages * How to test for compatibility with devices, such as printers * What laws apply to software quality

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Customer Reviews

Testing Computer Software is one of the those rare books that has taken on the problems of the Verification Engineer. As all of us know, most books written today are targeted for the development audience and even many of these are either poorly written or try to cover too much area. This book however, though broad in its scope, does a good job of treating all of the important areas in

verification and testing. I have found Chapters 2, 3, 7, 11 and 12 to be the most useful and poignant to the average engineer. Not only is each chapter well laid out, but the authors also offer compelling arguments in each chapter to back up their arguments as well. I enjoyed particularly Chapter 3 the section on Path Testing, which conjures up horror stories from my development days. In this section the authors assert that 100% path testing does not imply 100% test coverage. They go on to argue with some rigor why the two are not necessarily the same. Many of you as I can probably claim that though all of the paths in their code were tested, verification was still able to find some condition that would make some part of the code fail. This chapter explains why this may be so and methodologies on how to attack testing those areas. You will find the book well structured, informative and actually intuitive to navigate through. Each chapter builds on the previous chapters to provide the engineer with a clear idea of all the steps and intricacies involved in testing and verifying complex programs. It can therefore be used by the beginner as a source book for specific test applications, or by the team lead or manager who needs to know more about the actual scope and planning of a complex testing project. This book surely fills a great void in the area of publications software verification.

This book should sit on the desk of every software tester.Many books will tell you how to test when you have enough time and cooperation. This book tells you what to do when the schedule is tight, the specification is missing, and the developers are tired of your focus on problems. It has sound advice and is a pleasure to read. I keep coming back to it. Feel like you have an impossible job? Read this book.(Note: this book was published in 1993 and has not been updated since then. Wiley lists 1999 as the publication date because that was when they became the new publisher for the book, which is destined to become a classic.)

When I first read this book over eight years ago I was less than enthusiastic. At the time I felt that the approach was not rigorous enough. Over time I came to appreciate the pragmatism and how the approach in this book reflects the realities of software testing instead of a rigid, purist view as an unattainable ideal.Everything the new or intermediate test professional needs to know is covered. The practices and techniques provided will foster sound QA practices and will step you through developing test strategies, and from those, developing and executing test cases. These are the real essence of testing, and this book covers them exceptionally well.I like the coverage of testing systems and artifacts that are not software - documentation, hardware, and localization testing advice shows that testing is not limited to software. As importantly, the chapter on legal

consequences of software defects will show testing in a perspective that is often overlooked, even by seasoned test professionals.If you are new to software testing, or have some experience, but no formal training, this book will provide you with the right way to approach software testing, and will give insights that would take years to learn on your own.

One great testing book. What makes it great? It is pragmatic from start to finish. It addresses real problems in the world of software testing. And does so acknowleding that there's never enough time to do everything you want let alone trying to fulfill the overblown government perscriptions of ISO, SEI, and CMM.

This book provides an comprehensive guide to software testing. It covers all aspects of testing - e.g., test types, methods, plans, scripts, and cases. An excellent training and reference tool. It is useful to managers and experienced testers, and would be an excellent training tool for novice testers.

Lately I have read a lot of computer books. I have been in the software development business only about two and a half years. This is the best and most useful book I have read. I have tested, and am testing, software. This book is perfect for any tester or manager of testers. The authors are truly enlightned and experienced and best of all, they transmit their experience and knowledge to the reader in a most organized, logical and concise manner. A "must" for anyone involved in testing in any way.

I found this book very informative and helpful as a beginning software tester. The authors were very pragmatic and concise in defining different methods and systems to use for testing, and because of this, it is an excellent testing handbook for those people who do not have formal training and need to know where to begin and how to procede in a logical manner. It is also a great reference manual for testing terms that are new to a beginner. Overall, I would highly recommmend this as an excellent textbook for software testing.

One of the best computer books I have read. Very informative for software pros as well as novice software testers. Includes everything you need to know about testing and the National Software Testing Standards plus Dr. Kaner's legal comments. Lots of references to other publications. I believe it is a great time to republish this book with inclusion of the "Year 2000 software testing

methodes". I would like to be first to know if authors decide to republish "Testing Computer Software".

Testing Computer Software, 2nd Edition by Kaner, Cem, Falk, Jack, Nguyen, Hung Q. 2nd (second) edition [Paperback(1999)] Daniels and Worthingham's Muscle Testing: Techniques of Manual Examination and Performance Testing, 9e (Daniels & Worthington's Muscle Testing (Hislop)) Testing Computer Software, 2nd Edition The Basics of Hacking and Penetration Testing, Second Edition: Ethical Hacking and Penetration Testing Made Easy Advanced Software Testing - Vol. 3, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Technical Test Analyst Foundations of Software Testing (2nd Edition) Advanced Software Testing - Vol. 2, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Test Manager 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) Computer Organization and Design, Fifth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) 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 Software Reuse: Advances in Software Reusability: 6th International Conference, ICSR-6 Vienna, Austria, June 27-29, 2000 Proceedings (Lecture Notes in Computer Science) Software Reuse for Dynamic Systems in the Cloud and Beyond: 14th International Conference on Software Reuse, ICSR 2015, Miami, FL, USA, January 4-6, ... (Lecture Notes in Computer Science) Safe and Secure Software Reuse: 13th International Conference on Software Reuse, ICSR 2013,Pisa, Italy, June 18-20, 2013, Proceedings (Lecture Notes in Computer Science) Computer Organization and Design: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Software Testing: A Craftsman's Approach, Fourth Edition