Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software

Bijay K. Jayaswal, Peter C. Patton

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software

Bijay K. Jayaswal, Peter C. Patton

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software Bijay K. Jayaswal, Peter C. Patton
 ASQ 2007 CROSBY MEDAL WINNER!

An Integrated Technology for Delivering Better Software—Cheaper and Faster!

This book presents an integrated technology, Design for Trustworthy Software (DFTS), to address software quality issues upstream such that the goal of software quality becomes that of preventing bugs in implementation rather than finding and eliminating them during and after implementation. The thrust of the technology is that major quality deployments take place before a single line of code is written!

This customer-oriented integrated technology can help deliver breakthrough results in cost, quality, and delivery schedule thus meeting and exceeding customer expectations. The authors describe the principles behind the technology as well as their applications to actual software design problems. They present illustrative case studies covering various aspects of DFTS technology including CoSQ, AHP, TRIZ, FMEA, QFD, and Taguchi Methods and provide ample questions and exercises to test the readers understanding of the material in addition to detailed examples of the applications of the technology.

The book can be used to impart organization-wide learning including training for DFTS Black Belts and Master Black Belts. It helps you gain rapid mastery, so you can deploy DFTS Technology quickly and successfully.
Learn how to

• Plan, build, maintain, and improve your trustworthy software development system
• Adapt best practices of quality, leadership, learning, and management for the unique software development milieu
• Listen to the customer's voice, then guide user expectations to realizable, reliable software products
• Refocus on customer-centered issues such as reliability, dependability, availability, and upgradeability
• Encourage greater design creativity and innovation
• Validate, verify, test, evaluate, integrate, and maintain software for trustworthiness
• Analyze the financial impact of software quality
• Prepare your leadership and infrastructure for DFTS

Design for Trustworthy Software will help you improve quality whether you develop in-house, outsource, consult, or provide support. It offers breakthrough solutions for the entire spectrum of software and quality professionals—from developers to project leaders, chief software architects to customers.

The American Society for Quality (ASQ) is the world's leading authority on quality which provides a community that advances learning, quality improvement, and knowledge exchange to improve business results, and to create better workplaces and communities worldwide. **The Crosby Medal** is presented to the individual who has authored a distinguished book contributing significantly to the extension of the philosophy and application of the principles, methods, or techniques of quality management.

Bijay K. Jayaswal, CEO of Agilenty Consulting Group, has held senior executive positions and consulted on quality and strategy for 25 years. His expertise includes value engineering, process improvement, and product development. He has directed MBA and Advanced Management programs, and helped to introduce enterprise-wide reengineering and Six Sigma initiatives.

Dr. Peter C. Patton, Chairman of Agilenty Consulting Group, is Professor of Quantitative Methods and Computer Science at the University of St. Thomas. He served as CIO of the University of Pennsylvania and CTO at Lawson Software, and has been involved with software development since 1955.

Download and Read Free Online Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software Bijay K. Jayaswal, Peter C. Patton

Download and Read Free Online Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software Bijay K. Jayaswal, Peter C. Patton

---

From reader reviews:

Esmeralda Rossman:

The book Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software can give more knowledge and information about everything you want. Exactly why must we leave the good thing like a book Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software? Several of you have a different opinion about e-book. But one aim that will book can give many details for us. It is absolutely right. Right now, try to closer along with your book. Knowledge or details that you take for that, you could give for each other; you are able to share all of these. Book Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software has simple shape but the truth is know: it has great and big function for you. You can appear the enormous world by wide open and read a reserve. So it is very wonderful.

Eugene Barnum:

The reason? Because this Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software is an unordinary book that the inside of the guide waiting for you to snap it but latter it will shock you with the secret this inside. Reading this book alongside it was fantastic author who have write the book in such incredible way makes the content inside easier to understand, entertaining means but still convey the meaning totally. So , it is good for you for not hesitating having this nowadays or you going to regret it. This amazing book will give you a lot of rewards than the other book include such as help improving your proficiency and your critical thinking way. So , still want to postpone having that book? If I ended up you I will go to the reserve store hurriedly.

Jennifer Wetzel:

That book can make you to feel relax. This book Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software was vibrant and of course has pictures on there. As we know that book Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software has many kinds or genre. Start from kids until teens. For example Naruto or Private eye Conan you can read and think you are the character on there. Therefore not at all of book are usually make you bored, any it offers up you feel happy, fun and chill out. Try to choose the best book in your case and try to like reading which.

Connie Curtis:

A lot of e-book has printed but it differs. You can get it by online on social media. You can choose the top book for you, science, comedy, novel, or whatever by means of searching from it. It is known as of book Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software. You can add your knowledge by it. Without making the printed book, it could add your knowledge and make anyone happier to read. It is most important that, you must aware about publication. It can bring you from

one location to other place.

Download and Read Online Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software Bijay K. Jayaswal, Peter C. Patton #B9JF1O0QWXY

Read Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton for online ebook

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton 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 Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton books to read online.

Online Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton ebook PDF download

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton Doc

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton Mobipocket

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton EPub

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton Ebook online

Design for Trustworthy Software: Tools, Techniques, and Methodology of Developing Robust Software by Bijay K. Jayaswal, Peter C. Patton Ebook PDF