



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

By Bijay Jayaswal, Peter C. Patton

Pearson Education (US), United States, 2011. Paperback. Book Condition: New. 257 x 236 mm. Language: English . Brand New Book. 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...



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