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Quality Software Project Management

Software Quality Institute Series

QUALITY SOFTWARE PROJECT MANAGEMENT

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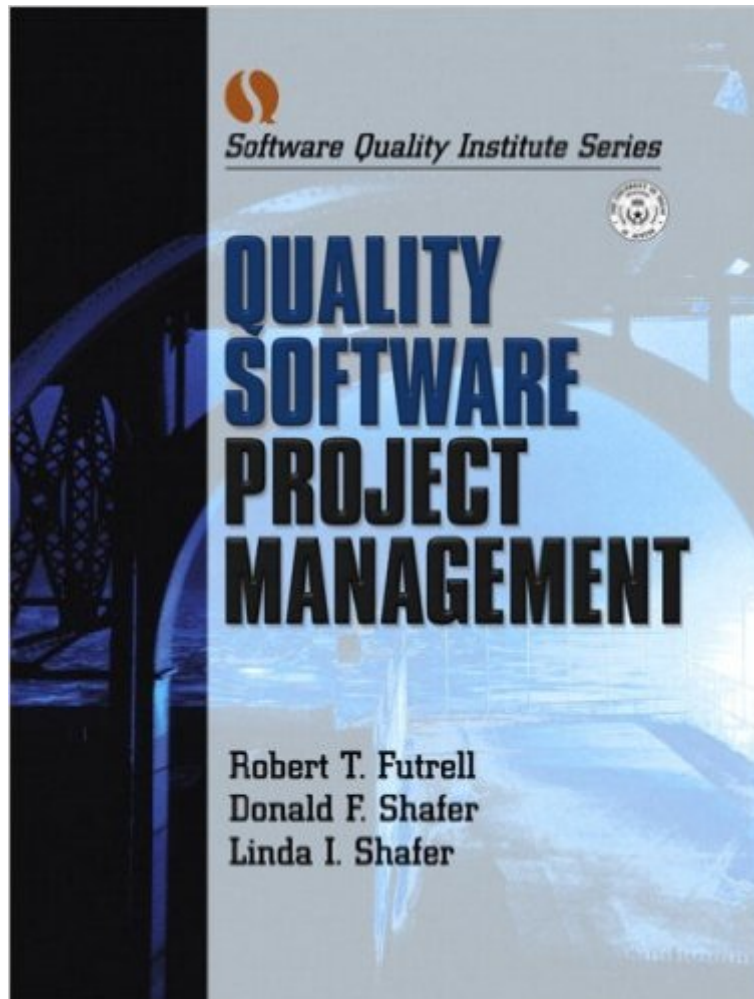
Synopsis

Drawing on best practices identified at the Software Quality Institute and embodied in bodies of knowledge from the Project Management Institute, the American Society of Quality, IEEE, and the Software Engineering Institute, Quality Software Project Management teaches 34 critical skills that allow any manager to minimize costs, risks, and time-to-market. Written by leading practitioners Robert T. Futrell, Donald F. Shafer, and Linda I. Shafer, it addresses the entire project lifecycle, covering process, project, and people. It contains extensive practical resources-including downloadable checklists, templates, and forms.

Book Information

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Customer Reviews

This is, without a doubt, the most comprehensive book available on software project management. I don't make this statement lightly - I have over two dozen books on the subject, and have reviewed a significant portion of them on this site. It isn't the fact that the book consists of 33 chapters and 7 appendices and consumes nearly 1700 pages that makes it comprehensive. What distinguishes this book from the rest are:(1) A process-oriented approach that is completely consistent with the PMI PMBOK, fully supports requirements for the higher levels of the capability maturity model, and can be adapted to virtually any life cycle model.(2) It completely covers the important elements of planning, scheduling and control, including work breakdown structure development, associating tasks and deliverables, estimating (the focus is on the constructive cost model), advanced scheduling techniques (including critical chain scheduling that has emerged from the theory of

constraints body of knowledge), and earned value project management.(3) Ties software engineering, system engineering, reliability, SQA and software configuration management to the project process. Many books briefly address these, while this book addresses the requirements, issues and techniques head-on.(4) Business plan development, requirements analysis, project deliverables and other artifacts are thoroughly covered.(5) The web site that augments this book has errata, templates and checklists (in HTML format), links and other material that supports using the book as a course text.There are so many things I like about this book, but the size and depth of content makes it nearly overwhelming. My favorite chapters are 21-Metrics, 26-Continuous Improvement, 28-Post Performance Analysis and 32-Legal Issues.

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