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Building Maintainable Software, Java Edition

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aimed at improving a programmers ability for altering code to fit changing requirements and for detecting and correcting errors this book argues for a new way of thinking about maintaining software it proposes the use of a set of human factors principles that govern the programmer software event world interactions and form the core of the maintenance process the book is thus highly valuable for systems analysts and programmers managers seeking to reduce costs researchers looking at solutions to the maintenance problem and students learning to write clear unambiguous programs

Designing Maintainable Software

1999

why does poor software quality continue to plague enterprises of all sizes in all industries part of the problem lies with the process rather than individual developers this practical guide provides ten best practices to help team leaders create an effective working environment through key adjustments to their process as a follow up to their popular book building maintainable software consultants with the software improvement group sig offer critical lessons based on their assessment of development processes used by hundreds of software teams each practice includes examples of goalsetting to help you choose the right metrics for your team achieve development goals by determining meaningful metrics with the goal question metric approach translate those goals to a verifiable definition of done manage code versions for consistent and predictable modification control separate environments for each stage in the development pipeline automate tests as much as possible and steer their guidelines and expectations let the continuous integration server do much of the hard work for you automate the process of pushing code through the pipeline define development inforces and expectations control the pipeline define development inforces and expectations are processed as the process of pushing code through the pipeline define development.

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standards to improve consistency and simplicity manage dependencies on third party code to keep your software consistent and up to date document only the most necessary and current knowledge

Designing Maintainable Software

2012-12-06

how to design for optimum maintenance capabilities and minimize the repair time design for maintainability offers engineers a wide range of tools and techniques for incorporating maintainability into the design process for complex systems with contributions from noted experts on the topic the book explains how to design for optimum maintenance capabilities while simultaneously minimizing the time to repair equipment the book contains a wealth of examples and the most up to date maintainability design practices that have proven to result in better system readiness shorter downtimes and substantial cost savings over the entire system life cycle thereby decreasing the total cost of ownership design for maintainability offers a wealth of design practices not covered in typical engineering books thus allowing readers to think outside the box when developing maintainability design requirements the books principles and practices can help engineers to dramatically improve their ability to compete in global markets and gain widespread customer satisfaction this important book offers a complete overview of maintainability engineering as a system engineering discipline includes contributions from authors who are recognized leaders in the field contains real life design examples both good and bad from various industries presents realistic illustrations of good maintainability design principles provides discussion of the interrelationships between maintainability with other related disciplines explores trending topics in technologies written for design and logistics engineers and managers design for maintainability is a comprehensive resource containing the most reliable and innovative techniques for improving maintainability when designing a system or product

Building Software Teams

2016-12-12

Building Software Teams

2016

this book explores various aspects of software creation and development as well as data and information processing it covers relevant topics such as business analysis business rules requirements engineering software development processes software defect prediction information management systems and knowledge management solutions lastly the book presents lessons learned in information and data management processes and procedures

Design for Maintainability

2021-03-26

an integrated guide to c and computational finance this complete guide to c and computational finance is a follow up and major extension to daniel j duffy s 2004 edition of financial instrument pricing using c both c and computational finance have evolved and changed dramatically in the last ten years and this book documents these improvements duffy focuses on these developments and the advantages for the quant developer by delving into a detailed account of the new c 11 standard and its applicability to computational finance using de facto standard libraries such as boost and eigen to improve developer productivity developing multiparadigm software using the object oriented generic and functional programming styles designing flexible numerical algorithms modern numerical methods and multiparadigm design patterns providing a detailed explanation of the finite difference methods through six chapters including new developments such as ade method of lines mol and uncertain volatility models developing applications from financial model to algorithmic design and code through a coherent approach generating interoperability with excel add ins c and c cli using random number generation in c 11 and monte carlo simulation duffy adopted a spiral model approach while writing each chapter of financial instrument pricing using c 2e analyse a little design a little and code a little each cycle ends with a working prototype in c and shows how a given algorithm or numerical method works additionally each chapter contains non trivial exercises and projects that discuss improvements and extensions to the material this book is for designers and application developers in computational finance and assumes the reader has some fundamental experience of c and derivatives pricing how to receive the source code once you have purchased a copy of the book please send an email to the author dduffyatdatasim nl requesting your personal and non transferable copy of the source code proof of purchase is needed the subject of the mail should be c book source code request you will receive a reply with a zip file attachment

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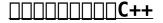
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