



Back to the Basics: Principles for Constructing Quality Software

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Constructing Quality Software

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Constructing Quality Software:

Building Quality Software Robert L. Glass,1992 This book will deal with the technology of software quality rather than with the management of software quality It will discuss the quality technique i e tools available for software developers to use which will enhance the quality of the software product Some discussion will be given as to how there tools are management Software Quality and Productivity M. Lee,Ben-Zion Barta,Peter Juliff,2013-04-17 As the world becomes increasingly dependent on the use of computers the need for quality software which can be produced at reasonable cost increases This IFIP proceedings brings together the work of leading researchers and practitioners who are concerned with the efficient production of quality software Testing and Quality Assurance for Component-based Software Jerry Gao,H.-S. J. Tsao,Ye Wu,2003 From the basics to the most advanced quality of service QoS concepts this all encompassing first of its kind book offers an in depth understanding of the latest technical issues raised by the emergence of new types classes and qualities of Internet services The book provides end to end QoS guidance for real time multimedia communications over the Internet It offers you a multiplicity of hands on examples and simulation script support and shows you where and when it is preferable to use these techniques for QoS support in networks and Internet traffic with widely varying characteristics and demand profiles This practical resource discusses key standards and protocols including real time transport resource reservation and integrated and differentiated service models policy based management and mobile wireless QoS The book features numerous examples simulation results and graphs that illustrate important concepts and pseudo codes are used to explain algorithms Case studies based on freely available Linux FreeBSD systems are presented to show you how to build networks supporting Quality of Service Online support material including presentation foils lab exercises and additional exercises are available to text adopters *Quality of Numerical Software* Ronald F. Boisvert,2016-01-09 Numerical software is central to our computerized society It is used to control aeroplanes and bridges operate manufacturing lines control power plants and refineries and analyse financial markets Such software must be accurate reliable robust efficient easy to use maintainable and adaptable Quality assessment and control of numerical software is still not well understood Although measurement is a key element it remains difficult to assess many components of software quality and to evaluate the trade offs between them Fortunately as numerical software is built upon a long established foundation of mathematical and computational knowledge there is great potential for dramatic breakthroughs This volume will address enabling techniques and tools such as benchmarks testing methodologies quality standards metrics and accuracy control mechanisms and their application to software for differential equations linear algebra data analysis as well as the evaluation of integrals derivatives and elementary and special functions **Constructing Quality Software : Proceedings of the I.f.i.p. Working Conference on Constructing Quality Software, Novosibirsk, U.s.s.r., 23-28 May 1977** novosibirsk I.f.i.p. working conference on constructing quality software (1977. h),1978 **Guide to the Software Engineering Body of Knowledge**

Alain Abran, James W. Moore, 2004 The purpose of the Guide to the Software Engineering Body of Knowledge is to provide a validated classification of the bounds of the software engineering discipline and topical access that will support this discipline The Body of Knowledge is subdivided into ten software engineering Knowledge Areas KA that differentiate among the various important concepts allowing readers to find their way quickly to subjects of interest Upon finding a subject readers are referred to key papers or book chapters Emphases on engineering practice lead the Guide toward a strong relationship with the normative literature The normative literature is validated by consensus formed among practitioners and is concentrated in standards and related documents The two major standards bodies for software engineering IEEE Computer Society Software and Systems Engineering Standards Committee and ISO IEC JTC1 SC7 are represented in the project

Object-oriented Software Construction Bertrand Meyer, 1988 Software Engineering *Quality in the Constructed Project* Arthur J. Fox, Holly A. Cornell, 1985

Practice in Software Adaption and Maintenance Rudolf Ebert, J. Lügger, L. Goecke, 1980 *Proceedings*, 1991 The proceedings of the Symposium held in Austin Texas May 1991 comprise panel discussions and papers in the areas of metrics software reliability models software reliability tools formal methods applications and metrics and measurement No index Annotation copyright Book News Inc Portland Managing Software Quality and Business Risk Martyn A. Ould, 1999-10-29 How to manage quality up and risk down This invaluable guide to project planning and strategic decision making for software developers presents practical and realistic planning techniques to increase chances of a project delivering to time and budget Offering clear explanations and real world experiences the key components of technical management are laid out as templates and checklists to assist managers with their project development With thirty years of experience in software development Martyn Ould provides Proven strategies for a disciplined approach to project planning Steps to take in risks and uncertainties in the project Reliable methods for reducing risks to an acceptable level A quality planning process that is rooted in the technical requirements of the system Insight into monitoring and measuring project progress Real world experience through case studies and examples

Proceedings of the 2nd Workshop on Industrial Experiences with Systems Software (WIESS '02), 2002 Catalog of Copyright Entries, Fourth Series Library of Congress. Copyright Office, 1978 Advanced Quality Systems, 2006

Planning, Implementation, and Control in Product Test and Assurance Richard H. Spencer, 1983 Software Engineering: A Practitioner's Approach Roger S. Pressman, 2010 For over 20 years this has been the best selling guide to software engineering for students and industry professionals alike This seventh edition features a new part four on web engineering which presents a complete engineering approach for the analysis design and testing of web applications

Software Design David Budgen, 1994 A clear and balanced guide to the software design methods most widely used by practitioners Software Design surveys a broad range of formal and systematic methods and examines their role in software engineering comparing their strengths and limitations *The Programmer's Book of Rules* George

Ledin,Victor Ledin,1979 A comprehensive collection of programming rules to help the programmer with their style fulfill their clients needs design programs efficiently and much more *Software Engineering* Shari Lawrence Pfleeger,1987
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