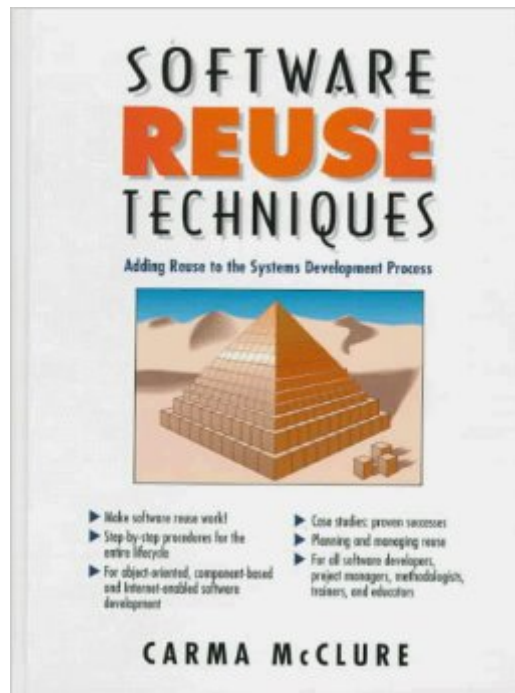# Software Reuse Techniques: Adding Reuse To The System Development Process

Synopsis

66100-9 Make software reuse work! Step-by-step techniques, proven strategies. Software reuse is the most important concept in software in the last twenty years. Software reuse can dramatically reduce the cost and complexity of software development. But few organizations are realizing the potential of reuse. What's missing? Specific techniques for incorporating reuse into the development lifecycle. Software Reuse Techniques fills that gap. In this book, the world's foremost expert on reuse presents a step-by-step guide to implementing reuse-from planning through maintenance, for object-oriented, component-based, and Internet-enabled software application development.Carma McClure distills her unparalleled consulting experience into practical solutions for: *Effectively reusing existing components *Identifying components most likely to be reusable *Identifying "families" of applications that lend themselves to reuse *Building new components with reuse in mind *Planning for reuse, and conducting readiness audits *Establishing a reuse library/catalog that works *Managing reuse McClure shows how reuse changes the software development process, and "who does what" in organizations committed to reuse. She demonstrates how to reuse not just source code, but also requirements specifications, designs, test scripts, project plans, documentation, object frameworks and more. Next, she presents 16 different reuse techniques in detail, with case studies. Organizations that have successfully implemented reuse have achieved powerful cost and quality advantages. Reuse works-and you can make it happen. This book contains the techniques-and the proof.

Book Information

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Customer Reviews

Unlike many other books on this subject, McClure demystifies a subject usually enmeshed by theory and complex terminology. It is a must for any program manager or architect charged with implementing a reuse adoption progam into their organisation. Its one weakness is its bias towards o-o development methods, which leads to a lack of guidance regarding more traditional structured development methodologies.

Software Reuse Techniques: Adding Reuse to the System Development Process Software Engineering Classics: Software Project Survival Guide/ Debugging the Development Process/ Dynamics of Software Development (Programming/General) Measuring the Software Process: Statistical Process Control for Software Process Improvement Software Reuse for Dynamic Systems in the Cloud and Beyond: 14th International Conference on Software Reuse, ICSR 2015, Miami, FL, USA, January 4-6, ... (Lecture Notes in Computer Science) Safe and Secure Software Reuse: 13th International Conference on Software Reuse, ICSR 2013,Pisa, Italy, June 18-20, 2013, Proceedings (Lecture Notes in Computer Science) Object-oriented software development: Engineering software for reuse Reuse of Off-the-Shelf Components: 9th International Conference on Software Reuse, ICSR 2006, Torino, Italy, June 12-15, 2006, Proceedings (Lecture Notes in Computer Science) Software Reuse: Architecture, Process and Organization for Business Success Software Reuse Architecture, Process and Organization for Business Success by Ivar Jacobson Agile Software Development with Scrum (Series in Agile Software Development) Reengineering Software: How to Reuse Programming to Build New State-of-the-art Software Practical Software Reuse (Wiley Series in Software Engineering Practice) Software Reuse: Advances in Software Reusability: 6th International Conference, ICSR-6 Vienna, Austria, June 27-29, 2000 Proceedings (Lecture Notes in Computer Science) Software Reuse: A Holistic Approach (Wiley Series in Software-Based Systems) Software Reuse: Guidelines and Methods (Software Science and Engineering) Software Development with C++: Maximizing Reuse with Object Technology Software Process Design: Out of the Tar Pit (Mcgraw-Hill International Software Quality Assurance) Reuse-Based Software Engineering: Techniques, Organizations, and Controls Software Reuse: Methods, Techniques, and Tools: 8th International Conference, ICSR 2004, Madrid, Spain, July 5-9, 2004, Proceedings (Lecture Notes in Computer Science) IntAR, Interventions Adaptive Reuse, Volume 03; Adaptive Reuse in Emerging Economies