



AGILITY AND DISCIPLINE MADE EASY

PRACTICES FROM
OPENUP AND RUP

PER KROLL
BRUCE MACISAAC

Foreword by Grady Booch



Agility And Discipline Made Easy Practices From Openup And Rup Bruce Macisaac

Dean Leffingwell

Agility And Discipline Made Easy Practices From Openup And Rup Bruce Macisaac:

Agility and Discipline Made Easy Per Kroll, Bruce MacIsaac, 2006-05-19 The Japanese samurai Musashi wrote One can win with the long sword and one can win with the short sword Whatever the weapon there is a time and situation in which it is appropriate Similarly we have the long RUP and the short RUP and all sizes in between RUP is not a rigid static recipe and it evolves with the field and the practitioners as demonstrated in this new book full of wisdom to illustrate further the liveliness of a process adopted by so many organizations around the world Bravo Philippe Kruchten Professor University of British Columbia The Unified Process and its practices have had and continue to have a great impact on the software industry This book is a refreshing new look at some of the principles underlying the Unified Process It is full of practical guidance for people who want to start or increase their adoption of proven practices No matter where you are today in terms of software maturity you can start improving tomorrow Ivar Jacobson Ivar Jacobson Consulting Kroll and MacIsaac have written a must have book It is well organized with new principles for software development I encounter many books I consider valuable I consider this one indispensable especially as it includes over 20 concrete best practices If you are interested in making your software development shop a better one read this book Ricardo R Garcia President Global Rational User Group Council www.rational.ug.org/index.php Agile software development is real it works and it's here to stay Now is the time to come up to speed on agile best practices for the Unified Process and this book provides a great starting point Scott W Ambler practice leader Agile Modeling IBM and the global economy have become increasingly dependent on software over the last decade and our industry has evolved some discriminating best practices Per and Bruce have captured the principles and practices of success in this concise book a must for executives project managers and practitioners These ideas are progressive but they strike the right balance between agility and governance and will form the foundation for successful systems and software developers for a long time Walker Royce Vice President IBM Software Services Rational Finally the RUP is presented in digestible byte size pieces Kroll and MacIsaac effectively describe a set of practices that can be adopted in a low ceremony ad hoc fashion suited to the culture of the more agile project team while allowing them to understand how to scale their process as needed Dean Leffingwell author and software business advisor and executive This text fills an important gap in the knowledge base of our industry providing agile practices in the proven scalable framework of the Unified Process With each practice able to be throttled to the unique context of a development organization Kroll and MacIsaac provide software teams with the ability to balance agility and discipline as appropriate for their specific needs Brian G Lyons CTO Number Six Software Inc In *Agility and Discipline Made Easy Rational Unified Process RUP and Open Unified Process OpenUP* experts Per Kroll and Bruce MacIsaac share twenty well defined best practices that you and your team can start adopting today to improve the agility predictability speed and cost of software development Kroll and MacIsaac outline proven principles for software development and supply a number of supporting practices for each You'll learn what problems each practice

addresses and how you can best leverage RUP and OpenUP an open source version of the Unified Process to make the practice work for you You ll find proactive prescriptive guidance on how to adopt the practices with minimal risk and implement as much or as little of RUP or OpenUP as you want Learn how to apply sample practices from the Unified Process so you can Execute your project in iterations Embrace and manage change Test your own code Describe requirements from the user perspective Architect with components and services Model key perspectives Whether you are interested in agile or disciplined development using RUP OpenUP or other agile processes this book will help you reduce the anxiety and cost associated with software improvement by providing an easy non intrusive path toward improved results without overwhelming you and your team

Scaling Software Agility Dean Leffingwell,2007-02-26 Companies have been implementing large agile projects for a number of years but the stigma of agile only works for small projects continues to be a frequent barrier for newcomers and a rallying cry for agile critics What has been missing from the agile literature is a solid practical book on the specifics of developing large projects in an agile way Dean Leffingwell s book Scaling Software Agility fills this gap admirably It offers a practical guide to large project issues such as architecture requirements development multi level release planning and team organization Leffingwell s book is a necessary guide for large projects and large organizations making the transition to agile development Jim Highsmith director Agile Practice Cutter Consortium author of Agile Project Management There s tension between building software fast and delivering software that lasts between being ultra responsive to changes in the market and maintaining a degree of stability In his latest work Scaling Software Agility Dean Leffingwell shows how to achieve a pragmatic balance among these forces Leffingwell s observations of the problem his advice on the solution and his description of the resulting best practices come from experience he s been there done that and has seen what s worked Grady Booch IBM Fellow Agile development practices while still controversial in some circles offer undeniable benefits faster time to market better responsiveness to changing customer requirements and higher quality However agile practices have been defined and recommended primarily to small teams In Scaling Software Agility Dean Leffingwell describes how agile methods can be applied to enterprise class development Part I provides an overview of the most common and effective agile methods Part II describes seven best practices of agility that natively scale to the enterprise level Part III describes an additional set of seven organizational capabilities that companies can master to achieve the full benefits of software agility on an enterprise scale This book is invaluable to software developers testers and QA personnel managers and team leads as well as to executives of software organizations whose objective is to increase the quality and productivity of the software development process but who are faced with all the challenges of developing software on an enterprise scale

Agile Software Requirements Dean Leffingwell,2010-12-27 We need better approaches to understanding and managing software requirements and Dean provides them in this book He draws ideas from three very useful intellectual pools classical management practices Agile methods and lean product development By combining the

strengths of these three approaches he has produced something that works better than any one in isolation From the Foreword by Don Reinertsen President of Reinertsen author of Managing the Design Factory and leading expert on rapid product development Effective requirements discovery and analysis is a critical best practice for serious application development Until now however requirements and Agile methods have rarely coexisted peacefully For many enterprises considering Agile approaches the absence of effective and scalable Agile requirements processes has been a showstopper for Agile adoption In Agile Software Requirements Dean Leffingwell shows exactly how to create effective requirements in Agile environments Part I presents the big picture of Agile requirements in the enterprise and describes an overall process model for Agile requirements at the project team program and portfolio levels Part II describes a simple and lightweight yet comprehensive model that Agile project teams can use to manage requirements Part III shows how to develop Agile requirements for complex systems that require the cooperation of multiple teams Part IV guides enterprises in developing Agile requirements for ever larger systems of systems application suites and product portfolios This book will help you leverage the benefits of Agile without sacrificing the value of effective requirements discovery and analysis You ll find proven solutions you can apply right now whether you re a software developer or tester executive project program manager architect or team leader

From Requirements to Java in a Snap Michał Śmiałek,Wiktor Nowakowski,2015-01-14 This book provides a coherent methodology for Model Driven Requirements Engineering which stresses the systematic treatment of requirements within the realm of modelling and model transformations The underlying basic assumption is that detailed requirements models are used as first class artefacts playing a direct role in constructing software To this end the book presents the Requirements Specification Language RSL that allows precision and formality which eventually permits automation of the process of turning requirements into a working system by applying model transformations and code generation to RSL The book is structured in eight chapters The first two chapters present the main concepts and give an introduction to requirements modelling in RSL The next two chapters concentrate on presenting RSL in a formal way suitable for automated processing Subsequently chapters 5 and 6 concentrate on model transformations with the emphasis on those involving RSL and UML Finally chapters 7 and 8 provide a summary in the form of a systematic methodology with a comprehensive case study Presenting technical details of requirements modelling and model transformations for requirements this book is of interest to researchers graduate students and advanced practitioners from industry While researchers will benefit from the latest results and possible research directions in MDRE students and practitioners can exploit the presented information and practical techniques in several areas including requirements engineering architectural design software language construction and model transformation Together with a tool suite available online the book supplies the reader with what it promises the means to get from requirements to code in a snap

Dean Leffingwell,2014-02-10 1 *American Book Publishing Record ,2005* *The British National Bibliography* Arthur James

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