

# Software Engineering Process With The Upedu Book

Software Engineering Process with the UPEDU The Rational Unified Process The Rational Unified Process Made Easy Making Globally Distributed Software Development a Success Story Human-Centered Software Engineering The Software Development Edge Books in Print Supplement American Book Publishing Record Book Review Index Books In Print 2004-2005 Object-oriented Technology *Pierre N. Robillard Philippe Kruchten Per Kroll Qing Wang Ahmed Seffah Joe Marasco Ed Bowker Staff* Software Engineering Process with the UPEDU The Rational Unified Process The Rational Unified Process Made Easy Making Globally Distributed Software Development a Success Story Human-Centered Software Engineering The Software Development Edge Books in Print Supplement American Book Publishing Record Book Review Index Books In Print 2004-2005 Object-oriented Technology *Pierre N. Robillard Philippe Kruchten Per Kroll Qing Wang Ahmed Seffah Joe Marasco Ed Bowker Staff*

this book provides a general introduction to the essentials of the software development process that series of activities that facilitate developing better software in less time it starts with the basic aspects of software process which are the methods tools and the concepts of the software life cycle the second and third parts emphasize the engineering and management disciplines that are the core of any software engineering process the fourth part which is concerned with the quality aspects of software process presents the aspects of process assessment and measurement the last chapter introduces a software process metamodel which is the theoretical foundation for any software process the approach is general and the explanations are not tied to a particular commercial process the book includes an ongoing case study example which does use the unified process for education which is derived from the rational unified process this book thus enables readers to gain experience with some of the basics of the rational unified process the industry s most powerful tool for incorporating the best practices into software development and prepares them to work with any organization s software process the book includes a robust website with all the sample deliverables and artifacts created from the case study as well as chapter by chapter sections with further up to date readings on process advancements the pdf files for all the figures in the book links to software engineering news sites chapter by chapter information on commercial tools industry standards etc

bull reflects all of the changes that were integrated into rup v2003 the latest version of the very popular produc t bull learn the key concepts fundamentals of structure integral content and motivation behind the rup bull covers all phases of the software development

lifecycle from concept to delivery to revision

per kroll and philippe kruchten are especially well suited to explain the rup because they have been the central forces inside rational software behind the creation of the rup and its delivery to projects around the world from the foreword by grady booch this book is a comprehensive guide to modern software development practices as embodied in the rational unified process or rup with the help of this book s practical advice and insight software practitioners will learn how to tackle challenging development projects small and large using an iterative and risk driven development approach with a proven track record the rational unified process made easy will teach you the key points involved in planning and managing iterative projects the fundamentals of component design and software architecture and the proper employment of use cases all team members from project managers to analysts from developers to testers will learn how to immediately apply the rup to their work you will learn that the rup is a flexible versatile process framework that can be tailored to suit the needs of development projects of all types and sizes key topics covered include how to use the rup to develop iteratively adopt an architecture centric approach mitigate risk and verify software quality tasks associated with the four phases of the rup inception elaboration construction and transition roles and responsibilities of project managers architects analysts developers testers and process engineers in a rup project incrementally adopting the rup with minimal risk common patterns for failure with the rup and how to avoid them use this book to get quickly up to speed with the rup so you can easily employ the significant power of this process to increase the productivity of your team

this volume contains papers presented at the international conference on software process icsp 2008 held in leipzig germany during may 10 11 2008 icsp 2008 was the second conference of the icsp series the theme of icsp 2008 was making globally distributed software development a success story software developers work in a dynamic context of frequently changing technologies and with limited resources globally distributed development teams are under ev increasing pressure to deliver their products more quickly and with higher levels of qu ity at the same time global competition is forcing software development organizations to cut costs by rationalizing processes outsourcing part of or all development activities reusing existing software in new or modified applications and evolving existing systems to meet new needs while still minimizing the risk of projects failing to deliver to address these difficulties new and modified processes are emerging including agile methods and plan based product line development open source cots and com nity developed software are becoming more and more popular outsourcing coupled with 24 7 development demands well defined processes to support the coordination of organizationally and geographically separated teams the accepted papers present completed research or advanced work in progress in all areas of software and systems development process including agile software pr esses cmmi novel techniques for software process representation and analysis process tools and metrics and the simulation and modeling of software processes contributions

reflecting real world experience or derived directly from industrial or open source software development and evolution were particularly welcome

activity theory is a way of describing and characterizing the structure of human activity of all kinds first introduced by russian psychologists rubinshtein leontiev and vigotsky in the early part of the last century activity theory has more recently gained increasing attention among interaction designers and others in the human computer interaction and usability communities see for example gay and h Brooke 2004 interest was given a significant boost when donald norman suggested activity theory and activity centered design as antidotes to some of the putative ills of human centered design norman 2005 norman who has been credited with coining the phrase user centered design suggested that too much attention focused on human users may be harmful that to design better tools designers need to focus not so much on users as on the activities in which users are engaged and the tasks they seek to perform within those activities although many researchers and practitioners claim to have used or been influenced by activity theory in their work see for example nardi 1996 it is often difficult to trace precisely where or how the results have actually been shaped by activity theory in many cases even detailed case studies report results that seem only distantly related if at all to the use of activity theory contributing to the lack of precise and traceable impact is that activity theory spite its name is not truly a formal and proper theory

the new software management classic in the trenches wisdom from legendary project leader joe marasco over the course of a distinguished career joe marasco earned a reputation as the go to software project manager the one to call when you were facing a brutally tough make or break project marasco reflected on his experiences in a remarkable series of franklin's kite essays for the rational edge rational and ibm's online software development magazine now marasco collects and updates those essays bringing his unique insights and humor to everything from modeling to scheduling team dynamics to compensation the result a new classic that deserves a place alongside frederick brooks the mythical man month in the library of every developer and software manager if you want to ship products you're proud of ship on time and on budget deliver real customer value you simply must read the software development edge

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