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Software Estimation The Black Art Demystified

Alvin Bruney

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Software Estimation Steve McConnell,2006 A practical guide for software developers and development teams this book written by an award winning author features effective and understandable formulas procedures and heuristics to help organizations improve their project cost estimates   Requirements Engineering: Foundation for Software Quality Maya Daneva,Oscar Pastor,2016-03-04 This book constitutes the proceedings of the 22nd International Working Conference on Requirements Engineering Foundation for Software Quality REFSQ 2016 held in Gothenburg Sweden in March 2016 The 16 full papers and 5 short papers presented in this volume were carefully reviewed and selected from 64 submissions The papers were organized in topical sections named decision making in requirements engineering open source in requirements engineering natural language compliance in requirements engineering requirements engineering in the automotive domain empirical studies in requirements engineering requirements engineering foundations human factors in requirements engineering and research methodology in requirements engineering   *The Problem with Software* Adam Barr,2018-10-23 An industry insider explains why there is so much bad software and why academia doesn t teach programmers what industry wants them to know Why is software so prone to bugs So vulnerable to viruses Why are software products so often delayed or even canceled Is software development really hard or are software developers just not that good at it In The Problem with Software Adam Barr examines the proliferation of bad software explains what causes it and offers some suggestions on how to improve the situation For one thing Barr points out academia doesn t teach programmers what they actually need to know to do their jobs how to work in a team to create code that works reliably and can be maintained by somebody other than the original authors As the size and complexity of commercial software have grown the gap between academic computer science and industry has widened It s an open secret that there is little engineering in software engineering which continues to rely not on codified scientific knowledge but on intuition and experience Barr who worked as a programmer for more than twenty years describes how the industry has evolved from the era of mainframes and Fortran to today s embrace of the cloud He explains bugs and why software has so many of them and why today s interconnected computers offer fertile ground for viruses and worms The difference between good and bad software can be a single line of code and Barr includes code to illustrate the consequences of seemingly inconsequential choices by programmers Looking to the future Barr writes that the best prospect for improving software engineering is the move to the cloud When software is a service and not a product companies will have more incentive to make it good rather than good enough to ship   *Agile Processes in Software Engineering and Extreme Programming* Alberto Sillitti,Orit Hazzan,Emily Bache,Xavier Albaladejo,2011-05-02 This book contains the refereed proceedings of the 12th International Conference on Agile Software Development XP 2011 held in Madrid Spain in May 2011 The year 2011 marked the 10th anniversary of the Agile Manifesto In this spirit the XP conference continued its fine tradition of promoting agility by disseminating new research results in a timely manner and by bringing

together researchers and practitioners for a fruitful mutual exchange of experiences As introduced for XP 2010 there were again two different program committees one for research papers and one for experience reports Regarding the research papers 11 out of 56 submissions were accepted as full papers and as far as the experience reports were concerned the respective number was 4 out of 17 submissions In addition to these papers this volume also includes the short research papers the abstracts of the posters the position papers of the PhD symposium and the abstracts of the workshops

Modernizing .NET Web Applications Tomáš Herceg,2024-10-15 In 2016 Microsoft introduced the new generation of NET called NET Core It brought many fundamental improvements to the platform but there were also many breaking changes and missing APIs especially when it comes to creating web applications Upgrading any website running on NET Framework to the new NET Core proved to be a complex process which can take months or even years This book describes two approaches you can take to incrementally modernize legacy NET web applications It explains the changes that happened in ASP NET MVC ASP NET Web API Entity Framework ASP NET Identity SignalR and other libraries It also shows a migration path for applications written in ASP NET Web Forms a technology which isn t supported in the new NET at all In addition the book describes the new frameworks available in the ASP NET Core platform Blazor Razor Pages ASP NET Core MVC SignalR Core and so on and helps you decide which technology will be the best fit The book also covers several soft areas how to explain the benefits or necessity for the modernization to your company management how to deal with refactoring and improving the overall code quality during the entire process and how to adjust the architecture of the application to be ready for another technology upgrade in the future The topic of modernization is highly relevant There are still plenty of legacy NET applications that are being actively developed and maintained Many of them were developed for 10 years they involve plethora of company specific know how and it is not economically feasible to rewrite them from scratch What You Will Learn Discover the changes you need to make in a legacy ASP NET application to migrate it to NET 8 and beyond Estimate the required effort and prepare the entire process Use the In place or Side by side approach to modernize your application incrementally Migrate from ASP NET Web Services or WCF to REST or gRPC Migrate from ASP NET SignalR to SignalR Core or from Entity Framework to EF Core Migrate from Forms Authentication to ASP NET Identity Migrate ASP NET Web Forms to Blazor Server or DotVVM Migrate ASP NET MVC and Web Pages to ASP NET Core MVC and Razor Pages Refactor and clean up your codebase to make it more maintainable Who This Book Is For NET developers who work with ASP NET web applications running on the NET framework and tech leads and software architects who make technical decisions about legacy NET projects used in their organization   **Computerworld** ,2006-05-22 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network   <u>Systems Analysis and Design</u> Alan

Dennis,Barbara Wixom,Roberta M. Roth,2018-12-27 With the overarching goal of preparing the analysts of tomorrow Systems Analysis and Design offers students a rigorous hands on introduction to the field with a project based approach that mirrors the real world workflow Core concepts are presented through running cases and examples bolstered by in depth explanations and special features that highlight critical points while emphasizing the process of doing alongside learning As students apply their own work to real world cases they develop the essential skills and knowledge base a professional analyst needs while developing an instinct for approach tools and methods Accessible engaging and geared toward active learning this book conveys both essential knowledge and the experience of developing and analyzing systems with this strong foundation in SAD concepts and applications students are equipped with a robust and relevant skill set that maps directly to real world systems analysis projects **Working with Microsoft Visual Studio 2005 Team System** Richard Hundhausen,2006 Hundhausen offers a pragmatic hands on overview of the new Microsoft Visual Studio team development environment which features new tools and end to end integration for the roles of architect developer tester and project manager *Programming Microsoft Web Forms* Douglas J. Reilly,2006 Get the focused straightforward information you need to master the most common challenges in developing real world Web Forms applications Whether you re a new or experienced developer you ll learn the essential techniques for exploiting new forms and controls in Microsoft ASP NET 2 0 enabling you to write Web applications more quickly and with less code Discover how to Work with standard ASP NET controls for common tasks Create your own user controls and custom server controls Lay out forms with HTML and Cascading Style Sheets Create common page elements just once with Master Pages Style your Web Forms with themes and skins Add Web Parts and allow users to personalize pages Access and edit data with Microsoft ADO NET objects Bind data to your form controls without adding any code Create security enhanced Web applications Integrate your Web forms with Windows Forms applications PLUS Get code samples on the Web **Estimating Software Costs : Bringing Realism to Estimating** Capers Jones,2007-04-19 Deliver bug free software projects on schedule and within budget Get a clear complete understanding of how to estimate software costs schedules and quality using the real world information contained in this comprehensive volume Find out how to choose the correct hardware and software tools develop an appraisal strategy deploy tests and prototypes and produce accurate software cost estimates Plus you ll get full coverage of cutting edge estimating approaches using Java object oriented methods and reusable components Plan for and execute project phase and activity level cost estimations Estimate regression component integration and stress tests Compensate for inaccuracies in data collection calculation and analysis Assess software deliverables and data complexity Test design principles and operational characteristics using software prototyping Handle configuration change research quality control and documentation costs Capers Jones work offers a unique contribution to the understanding of the economics of software production It provides deep insights into why our advances in computing are not matched with corresponding improvements in the software that

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and concurrency problems

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