

# Free read Software estimation demystifying the black art steve mcconnell (PDF)

Software Estimation Code Complete Software Estimation Without Guessing Agile Estimating and Planning Software Project Survival Guide Rapid Development Demystifying China’s Mega Trends Practical Project Initiation NBER Macroeconomics Annual 2015 Data Analysis for Business, Economics, and Policy The Art of Agile Development Python Deep Learning Projects Rapid Development How to Save a Failing Project Controlling Software Projects Demystifying Gynecomastia Agile Retrospectives Demystifying Legal Reasoning Critical Testing Processes The Fundamentals of Heavy Tails More Effective Agile Demystifying Climate Models SAFe 5.0 Distilled The Enterprise and Scrum Advanced Macroeconomics Agile Project Management with Scrum Adaptive Code Software Estimation Best Practices, Tools & Techniques Software Cost Estimation, Benchmarking, and Risk Assessment Demystifying Fixed Income Analytics Code Complete, 2nd Edition Benefit/Cost-Driven Software Development Programming Embedded Systems The Robert C. Martin Clean Code Collection (Collection) Advances in Machine Learning and Computational Intelligence Estimating Software-Intensive Systems Demystifying Archival Projects Leading Beyond Change The Pragmatic Programmer The Security Development Lifecycle

## **Software Estimation**

2006-02-22

often referred to as the black art because of its complexity and uncertainty software estimation is not as difficult or puzzling as people think in fact generating accurate estimates is straightforward once you understand the art of creating them in his highly anticipated book acclaimed author steve mcconnell unravels the mystery to successful software estimation distilling academic information and real world experience into a practical guide for working software professionals instead of arcane treatises and rigid modeling techniques this guide highlights a proven set of procedures understandable formulas and heuristics that individuals and development teams can apply to their projects to help achieve estimation proficiency discover how to estimate schedule and cost or estimate the functionality that can be delivered within a given time frame avoid common software estimation mistakes learn estimation techniques for you your team and your organization estimate specific project activities including development management and defect correction apply estimation approaches to any type of project small or large agile or traditional navigate the shark infested political waters that surround project estimates when many corporate software projects are failing mcconnell shows you what works for successful software estimation

## **Code Complete**

2004-06-09

widely considered one of the best practical guides to programming steve mcconnell s original code complete has been helping developers write better software for more than a decade now this classic book has been fully updated and revised with leading edge practices and hundreds of new code samples illustrating the art and science of software construction capturing the body of knowledge available from research academia and everyday commercial practice mcconnell synthesizes the most effective techniques and must know principles into clear pragmatic guidance no matter what your experience level development environment or project size this book will inform and stimulate your thinking and help you build the highest quality code discover the timeless techniques and strategies that help you design for minimum complexity and maximum creativity reap the benefits of collaborative development apply defensive programming techniques to reduce and flush out errors exploit opportunities to refactor or evolve code and do it safely use construction practices that are right weight for your project debug problems quickly and effectively resolve critical construction issues early and correctly build quality into the beginning middle and end of your project

## **Software Estimation Without Guessing**

2019-12-19

estimating software development often produces more angst than value but it doesn t have to identify the needs behind estimate requests and determine how to meet those needs simply and easily choose estimation techniques based on current needs and available information gaining benefit while reducing cost and effort detect bad assumptions that might sink your project if you don t adjust your plans discover what to do when an estimate is wrong how to recover and how to use that knowledge for future planning learn to communicate about estimates in a healthy and productive way maximizing advantage to the organization and minimizing damage to the people in a world where most developers hate estimation and most managers fear disappointment with the results there is hope for both it requires giving up some widely held misconceptions let go of the notion that an estimate is an estimate and estimate for the particular need you and your organization have realize that estimates have a limited shelf life and reestimate frequently if it s important when reality differs from your estimate don t lament mine that disappointment for the gold that can be the longer term jackpot estimate in comparison to past experience by modeling the work mathematically or a hybrid of both learn strategies for effective decomposition of work and aspects of the work that likely affect your estimates hedge your bets by comparing the results of different approaches find out what to do when an estimate proves wrong and they will they re estimates after all you ll discover that you can use estimates to warn you of danger so you can take appropriate action in time learn some crucial techniques to understand and communicate with those who need to understand address both the technical and sociological aspects of estimation and you ll help your organization achieve its desired goals with less drama and more benefit what you need no software needed just your past experience and concern for the outcomes

## Agile Estimating and Planning

2005-11-01

agile estimating and planning is the definitive practical guide to estimating and planning agile projects in this book agile alliance cofounder mike cohn discusses the philosophy of agile estimating and planning and shows you exactly how to get the job done with real world examples and case studies concepts are clearly illustrated and readers are guided step by step toward how to answer the following questions what will we build how big will it be when must it be done how much can i really complete by then you will first learn what makes a good plan and then what makes it agile using the techniques in agile estimating and planning you can stay agile from start to finish saving time conserving resources and accomplishing more highlights include why conventional prescriptive planning fails and why agile planning works how to estimate feature size using story points and ideal days and when to use each how and when to re estimate how to prioritize features using both financial and nonfinancial approaches how to split large features into smaller more manageable ones how to plan iterations and predict your team s initial rate of progress how to schedule projects that have unusually high uncertainty or schedule related risk how to estimate projects that will be worked on by multiple teams agile estimating and planning supports any agile semiagile or iterative process including scrum xp feature driven development crystal adaptive software development dsdm unified process and many more it will be an indispensable resource for every development manager team leader and team member

## Software Project Survival Guide

1997-10-15

equip yourself with software project survival guide it s for everyone with a stake in the outcome of a development project and especially for those without formal software project management training that includes top managers executives clients investors end user representatives project managers and technical leads here you ll find guidance from the acclaimed author of the classics code complete and rapid development steve mcconnell draws on solid research and a career s worth of hard won experience to map the surest path to your goal what he calls one specific approach to software development that works pretty well most of the time for most projects nineteen chapters in four sections cover the concepts and strategies you need for mastering the development process including planning design management quality assurance testing and archiving for newcomers and seasoned project managers alike software project survival guide draws on a vast store of techniques to create an elegantly simplified and reliable framework for project management success so don t worry about wandering among complex sets of project management techniques that require years to sort out and master software project survival guide goes straight to the heart of the matter to help your projects succeed and that makes it a required addition to every professional s bookshelf

## *Rapid Development*

2002-10-11

get your development schedules under control and on track corporate and commercial software development teams all want solutions for one important problem how to get their high pressure development schedules under control in rapid development author steve mcconnell addresses that concern head on with overall strategies specific best practices and valuable tips that help shrink and control development schedules and keep projects moving

## Demystifying China's Mega Trends

2017-04-28

this new book examines the structural forces behind mega trends in china refuting conventional wisdom and demystifying media and market hypes about business opportunity and policy it uses rigorous economic research and evidence to provide a new view of mega trends in china and expose new trends and problems that will affect china and the world

## **Practical Project Initiation**

2007-08-08

zero in on key project initiation tasks and build a solid foundation for successful software development in this concise guide critically acclaimed author karl e wiegers fills a void in project management literature by focusing on the activities that are essential but often overlooked for launching any project drawing on his extensive experience karl shares lessons learned proven practices and tools for getting your project off to the right start and steering it to ultimate success lay a foundation for project success discover how to effectively charter a project define meaningful criteria for project success and product releases negotiate achievable commitments for project teams and stakeholders identify and document potential barriers to success and manage project risks apply the wideband delphi method for more accurate estimation measure project performance and avoid common metrics traps systematically apply lessons learned to future projects companion site includes worksheets from inside the book project document templates resources for project initiation and process improvement

## **NBER Macroeconomics Annual 2015**

2016-06-22

this year the nber macroeconomics annual celebrates its thirtieth volume the first two papers examine china s macroeconomic development trends and cycles in china s macroeconomy by chun chang kaiji chen daniel f waggoner and tao zha outlines the key characteristics of growth and business cycles in china demystifying the chinese housing boom by hanming fang quanlin gu wei xiong and li an zhou constructs a new house price index showing that chinese house prices have grown by ten percent per year over the past decade the third paper external and public debt crises by cristina arellano andrew atkeson and mark wright asks why there appear to be large differences across countries and subnational jurisdictions in the effect of rising public debts on economic outcomes the fourth networks and the macroeconomy an empirical exploration by daron acemoglu ufuk akcigit and william kerr explains how the network structure of the us economy propagates the effect of gross output productivity shocks across upstream and downstream sectors the fifth and sixth papers investigate the usefulness of surveys of household s beliefs for understanding economic phenomena expectations and investment by nicola gennaioli yueran ma and andrei shleifer demonstrates that a chief financial officer s expectations of a firm s future earnings growth is related to both the planned and actual future investment of that firm declining desire to work and downward trends in unemployment and participation by regis barnichon and andrew figura shows that an increasing number of prime age americans who are not in the labor force report no desire to work and that this decline accelerated during the second half of the 1990s

## **Data Analysis for Business, Economics, and Policy**

2021-05-06

a comprehensive textbook on data analysis for business applied economics and public policy that uses case studies with real world data

## **The Art of Agile Development**

2008

for those considering extreme programming this book provides no nonsense advice on agile planning development delivery and management taken from the authors many years of experience while plenty of books address the what and why of agile development very few offer the information users can apply directly

## **Python Deep Learning Projects**

2018-10-31

insightful projects to master deep learning and neural network architectures using python and keras key featuresexplore deep learning across computer vision natural language processing nlp and image processingdiscover best practices for the training of deep neural networks and their deploymentaccess

popular deep learning models as well as widely used neural network architecturesbook description deep learning has been gradually revolutionizing every field of artificial intelligence making application development easier python deep learning projects imparts all the knowledge needed to implement complex deep learning projects in the field of computational linguistics and computer vision each of these projects is unique helping you progressively master the subject you ll learn how to implement a text classifier system using a recurrent neural network rnn model and optimize it to understand the shortcomings you might experience while implementing a simple deep learning system similarly you ll discover how to develop various projects including word vector representation open domain question answering and building chatbots using seq to seq models and language modeling in addition to this you ll cover advanced concepts such as regularization gradient clipping gradient normalization and bidirectional rnns through a series of engaging projects by the end of this book you will have gained knowledge to develop your own deep learning systems in a straightforward way and in an efficient way what you will learnset up a deep learning development environment on amazon services aws apply gpu powered instances as well as the deep learning amiimplement seq to seq networks for modeling natural language processing nlp develop an end to end speech recognition systembuild a system for pixel wise semantic labeling of an imagecreate a system that generates images and their regionswho this book is for python deep learning projects is for you if you want to get insights into deep learning data science and artificial intelligence this book is also for those who want to break into deep learning and develop their own ai projects it is assumed that you have sound knowledge of python programming

## **Rapid Development**

1996-07-02

corporate and commercial software development teams all want solutions for one important problem how to get their high pressure development schedules under control in rapid development author steve mcconnell addresses that concern head on with overall strategies specific best practices and valuable tips that help shrink and control development schedules and keep projects moving inside you ll find a rapid development strategy that can be applied to any project and the best practices to make that strategy work candid discussions of great and not so great rapid development practices estimation prototyping forced overtime motivation teamwork rapid development languages risk management and many others a list of classic mistakes to avoid for rapid development projects including creeping requirements shortchanged quality and silver bullet syndrome case studies that vividly illustrate what can go wrong what can go right and how to tell which direction your project is going rapid development is the real world guide to more efficient applications development

## ***How to Save a Failing Project***

2009-05

you can turn around a failing project poor project results are all too common and result in dissatisfied customers users and project staff with countless people goals objectives expectations budgets schedules deliverables and deadlines to consider it can be difficult to keep projects in focus and on track how to save a failing project chaos to control arms project managers with the tools and techniques needed to address these project challenges the authors provide guidance to develop a project plan establish a schedule for execution identify project tracking mechanisms and implement turnaround methods to avoid failure and regain control with this valuable resource you will be able to identify key factors leading to failure learn how to recover a failing project and minimize future risk better analyze your project by defining proper business objectives and goals gain insight on industry best practices for planning

## ***Controlling Software Projects***

1982

controlling software projects shows managers how to organize software projects so they are objectively measurable and prescribes techniques for making early and accurate projections of time and cost to deliver

# Demystifying Gynecomastia

2006

project retrospectives help teams examine what went right and what went wrong on a project but traditionally retrospectives also known as post mortems are only held at the end of the project too late to help you need agile retrospectives that are iterative and incremental you need to accurately find and fix problems to help the team today now esther and diana show you the tools tricks and tips you need to fix the problems you face on a software development project on an on going basis you ll see how to architect retrospectives in general how to design them specifically for your team and organization how to run them effectively how to make the needed changes and how to scale these techniques up you ll learn how to deal with problems and implement solutions effectively throughout the project not just at the end this book will help you design and run effective retrospectives learn how to find and fix problems find and reinforce team strengths address people issues as well as technological use tools and recipes proven in the real world with regular tune ups your team will hum like a precise world class orchestra

## Agile Retrospectives

2006-07-26

demystifying legal reasoning defends the proposition that there are no special forms of reasoning peculiar to law legal decision makers engage in the same modes of reasoning that all actors use in deciding what to do open ended moral reasoning empirical reasoning and deduction from authoritative rules this book addresses common law reasoning when prior judicial decisions determine the law and interpretation of texts in both areas the popular view that legal decision makers practise special forms of reasoning is false

## Demystifying Legal Reasoning

2008-06-16

a must read for software testers from a noted software testing guru examples specifics and a running case study bring the content to life separates software test processes into three categories routing highly visible and mission critical

## Critical Testing Processes

2004

heavy tails extreme events or values more common than expected emerge everywhere the economy natural events and social and information networks are just a few examples yet after decades of progress they are still treated as mysterious surprising and even controversial primarily because the necessary mathematical models and statistical methods are not widely known this book for the first time provides a rigorous introduction to heavy tailed distributions accessible to anyone who knows elementary probability it tackles and tames the zoo of terminology for models and properties demystifying topics such as the generalized central limit theorem and regular variation it tracks the natural emergence of heavy tailed distributions from a wide variety of general processes building intuition and it reveals the controversy surrounding heavy tails to be the result of flawed statistics then equips readers to identify and estimate with confidence over 100 exercises complete this engaging package

## The Fundamentals of Heavy Tails

2022-05-31

in this comprehensive yet accessible overview for software leaders the author presents an impactful action oriented prescription covering the practical considerations needed to ensure you reap the full benefits of effective agile

## **More Effective Agile**

2019-08-24

this book demystifies the models we use to simulate present and future climates allowing readers to better understand how to use climate model results in order to predict the future trajectory of the earth's climate. climate system simulation models are necessary when and how do we trust climate model predictions the book offers a framework for answering this question it provides readers with a basic primer on climate and climate change and offers non technical explanations for how climate models are constructed why they are uncertain and what level of confidence we should place in them it presents current results and the key uncertainties concerning them uncertainty is not a weakness but understanding uncertainty is a strength and a key part of using any model including climate models case studies of how climate model output has been used and how it might be used in the future are provided the ultimate goal of this book is to promote a better understanding of the structure and uncertainties of climate models among users including scientists engineers and policymakers

## **Demystifying Climate Models**

2016-04-09

safe 5.0 the world's leading framework for business agility those who master large scale software delivery will define the economic landscape of the twenty first century safe 5.0 is a monumental release that i am convinced will be key in helping countless enterprise organizations succeed in their shift from project to product dr mik kersten ceo of tasktop and author of the book project to product business agility is the ability to compete and thrive in the digital age by quickly responding to unprecedented market changes threats and emerging opportunities with innovative business solutions safe 5.0 distilled achieving business agility with scaled agile framework explains how adopting safe helps enterprises use the power of agile lean and devops to outflank the competition and deliver complex technology based business solutions in the shortest possible time this book will help you understand the business case for safe its benefits and the problems it solves learn the technical organizational and leadership competencies needed for business agility refocus on customer centricity with design thinking better align strategy and execution with lean portfolio management learn the leadership skills needed to thrive in the digital age increase the flow of value to customers with value stream networks register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

## ***SAFe 5.0 Distilled***

2020-06-05

it's time to extend the benefits of scrum greater agility higher quality products and lower costs from individual teams to your entire enterprise however with scrum's lack of prescribed rules the friction of change can be challenging as people struggle to break from old project management habits in this book agile process revolution leader ken schwaber takes you through change management for your organizational and interpersonal processes explaining how to successfully adopt scrum across your entire organization a cofounder of scrum ken draws from decades of experience answering your questions through case studies of proven practices and processes with them you'll learn how to adopt and adapt scrum in the enterprise and gain profound levels of transparency into your development processes discover how to evaluate the benefits of adopting scrum in any size organization initiate an enterprise transition project implement a single prioritized product backlog organize effective scrum teams using a top down approach adapt and apply solutions for integrating engineering practices across multiple teams shorten release times by managing high value increments refine your scrum practices and help reduce the length of sprints

## **The Enterprise and Scrum**

2007-06-13

macroeconomic policy is one of the most important policy domains and the tools of macroeconomics are among the most valuable for policy makers yet there has been up to now a wide gulf between the level at which macroeconomics is taught at the undergraduate level and the level at which it is practiced at the same time doctoral level textbooks are usually not targeted at a policy audience making advanced

macroeconomics less accessible to current and aspiring practitioners this book born out of the masters course the authors taught for many years at the harvard kennedy school fills this gap it introduces the tools of dynamic optimization in the context of economic growth and then applies them to a wide range of policy questions ranging from pensions consumption investment and finance to the most recent developments in fiscal and monetary policy it does so with the requisite rigor but also with a light touch and an unyielding focus on their application to policy making as befits the authors own practical experience advanced macroeconomics an easy guide is bound to become a great resource for graduate and advanced undergraduate students and practitioners alike

## **Advanced Macroeconomics**

2021-10-11

the rules and practices for scrum a simple process for managing complex projects are few straightforward and easy to learn but scrum s simplicity itself its lack of prescription can be disarming and new practitioners often find themselves reverting to old project management habits and tools and yielding lesser results in this illuminating series of case studies scrum co creator and evangelist ken schwaber identifies the real world lessons the successes and failures culled from his years of experience coaching companies in agile project management through them you ll understand how to use scrum to solve complex problems and drive better results delivering more valuable software faster gain the foundation in scrum theory and practice you need to rein in even the most complex unwieldy projects effectively manage unknown or changing product requirements simplify the chain of command with self managing development teams receive clearer specifications and feedback from customers greatly reduce project planning time and required tools build and release products in 30 day cycles so clients get deliverables earlier avoid missteps by regularly inspecting reporting on and fine tuning projects support multiple teams working on a large scale project from many geographic locations maximize return on investment

## ***Agile Project Management with Scrum***

2004-02-11

write code that can adapt to changes by applying this book s principles you can create code that accommodates new requirements and unforeseen scenarios without significant rewrites gary mclean hall describes agile best practices principles and patterns for designing and writing code that can evolve more quickly and easily with fewer errors because it doesn t impede change now revised updated and expanded adaptive code second edition adds indispensable practical insights on kanban dependency inversion and creating reusable abstractions drawing on over a decade of agile consulting and development experience mclean hall has updated his best seller with deeper coverage of unit testing refactoring pure dependency injection and more master powerful new ways to write code that enables and complements scrum kanban or any other agile framework develop code that can survive major changes in requirements plan for adaptability by using dependencies layering interfaces and design patterns perform unit testing and refactoring in tandem gaining more value from both use the golden master technique to make legacy code adaptive build solid code with single responsibility open closed and liskov substitution principles create smaller interfaces to support more diverse client and architectural needs leverage dependency injection best practices to improve code adaptability apply dependency inversion with the stairway pattern and avoid related anti patterns about you this book is for programmers of all skill levels seeking more practical insight into design patterns solid principles unit testing refactoring and related topics most readers will have programmed in c java c or similar object oriented languages and will be familiar with core procedural programming techniques

## **Adaptive Code**

2017-04-18

almost every software project begins with the utterances what will this cost and when will this project be done once those words are spoken project stakeholders begin to wrestle with how to produce an estimate accurately estimating the cost or time to complete a software project is a serious problem for many software engineers developers and project managers who struggle with costs running double original estimates putting their careers at risk it is reported that nearly 50 of all software projects are shelved and that one of the major causes is poor estimation practices if developing software for internal use poor estimates can represent a significant drain on corporate profits worldwide growth in the

number of companies specializing in the development of software for use by other companies is staggering india alone has nearly 20 000 such companies intense competition has led to an increased demand for fixed bid pricing in client vendor relationships and has made effective cost estimation even more important and in many cases critical to a firm s survival there are many methods of estimation each method has its strengths and weaknesses proponents and opponents knowing how and which one to use on a given project is key to developing acceptable estimates for either internal or external projects software estimation best practices tools techniques covers all facets of software estimation it provides a detailed explanation of the various methods for estimating software size development effort cost and schedule including a comprehensive explanation of test effort estimation emphasizing that software estimation should be based on a well defined process it presents software estimation best practices and shows how to avoid common pitfalls this guide offers direction on which methods are most appropriate for each of the different project types commonly executed in the software development space and criteria for selecting software estimation tools this comprehensive desk reference explains software estimation from scratch to help the beginner and features advanced techniques for more experienced estimators it details project scheduling including resource leveling and the concept of productivity as applicable to software estimators demonstrating the many benefits of moving from the current macro productivity approach to a micro productivity approach in software estimation software estimation best practices tools techniques a complete guide for software project estimators caters to the needs of all software project stakeholders from novice to expert it provides the valuable guidance needed to estimate the cost and time required to complete software projects within a reasonable margin of error for effective software development

## ***Software Estimation Best Practices, Tools & Techniques***

2009-07-15

software effort estimation is a key element of software project planning and management yet in industrial practice the important role of effort estimation is often underestimated and or misunderstood in this book adam trendowicz presents the cobra method an abbreviation for cost estimation benchmarking and risk assessment for estimating the effort required to successfully complete a software development project which uniquely combines human judgment and measurement data in order to systematically create a custom specific effort estimation model cobra goes far beyond simply predicting the development effort it supports project decision makers in negotiating the project scope managing project risks benchmarking productivity and directing improvement activities to illustrate the method s practical use the book reports several real world cases where cobra was applied in various industrial contexts these cases represent different estimation contexts in terms of software project environment estimation objectives and estimation constraints this book is the result of a successful collaboration between the process management division of fraunhofer iese and many software companies in the field of software engineering technology transfer it mainly addresses software practitioners who deal with planning and managing software development projects as part of their daily work and is also of interest for students or courses specializing in software engineering or software project management

## **Software Cost Estimation, Benchmarking, and Risk Assessment**

2013-01-10

this book discusses important aspects of fixed income securities in emerging economies key features clarifies all conceptual and analytical aspects of fixed income securities and bonds and covers important interest rate and credit derivative instruments in a simple and practical way examines topics such as classifications of fixed income instruments related risk return measures yield curve and term structure of interest rates interest rate derivatives forwards futures and swaps credit derivatives credit default swaps and trading strategies and risk management provides step by step explanation of fixed income products by including real life examples scenarios and cases especially in the context of emerging markets presents consistent reference of actual market practices to make the chapters practice oriented while maintaining a lucid style complemented by adequate reading inputs and clear learning outcomes includes complete solutions of numericals and cases for all chapters as an eresource on the routledge website to aid understanding the book will serve as a ready guide to both professionals from banking and finance industry fixed income bond dealers fund investment portfolio managers investment bankers financial analysts consultants risk management specialists and those in academics including students research scholars and teachers in the fields of business management banking insurance

## ***Demystifying Fixed Income Analytics***

2021

widely considered one of the best practical guides to programming steve mcconnell s original code complete has been helping developers write better software for more than a decade now this classic book has been fully updated and revised with leading edge practices and hundreds of new code samples illustrating the art and science of software construction capturing the body of knowledge available from research academia and everyday commercial practice mcconnell synthesizes the most effective techniques and must know principles into clear pragmatic guidance no matter what your experience level development environment or project size this book will inform and stimulate your thinking and help you build the highest quality code

## **Code Complete, 2nd Edition**

2021-07-26

this open access book presents a set of basic techniques for estimating the benefit of it development projects and portfolios it also offers methods for monitoring how much of that estimated benefit is being achieved during projects readers can then use these benefit estimates together with cost estimates to create a benefit cost index to help them decide which functionalities to send into construction and in what order this allows them to focus on constructing the functionality that offers the best value for money at an early stage although benefits management involves a wide range of activities in addition to estimation and monitoring the techniques in this book provides a clear guide to achieving what has always been the goal of project and portfolio stakeholders developing systems that produce as much usefulness and value as possible for the money invested the techniques can also help deal with vicarious motives and obstacles that prevent this happening the book equips readers to recognize when a project budget should not be spent in full and resources be allocated elsewhere in a portfolio instead it also provides development managers and upper management with common ground as a basis for making informed decisions

## ***Benefit/Cost-Driven Software Development***

2006-10-11

authored by two of the leading authorities in the field this guide offers readers the knowledge and skills needed to achieve proficiency with embedded software

## **Programming Embedded Systems**

2011-11-10

the robert c martin clean code collection consists of two bestselling ebooks clean code a handbook of agile software craftsmanship the clean coder a code of conduct for professional programmers in clean code legendary software expert robert c martin has teamed up with his colleagues from object mentor to distill their best agile practice of cleaning code on the fly into a book that will instill within you the values of a software craftsman and make you a better programmer but only if you work at it you will be challenged to think about what s right about that code and what s wrong with it more important you will be challenged to reassess your professional values and your commitment to your craft in the clean coder martin introduces the disciplines techniques tools and practices of true software craftsmanship this book is packed with practical advice about everything from estimating and coding to refactoring and testing it covers much more than technique it is about attitude martin shows how to approach software development with honor self respect and pride work well and work clean communicate and estimate faithfully face difficult decisions with clarity and honesty and understand that deep knowledge comes with a responsibility to act readers of this collection will come away understanding how to tell the difference between good and bad code how to write good code and how to transform bad code into good code how to create good names good functions good objects and good classes how to format code for maximum readability how to implement complete error handling without obscuring code logic how to unit test and practice test driven development what it means to behave as a true software craftsman how to deal with conflict tight schedules and unreasonable managers how to get into the flow of coding

and get past writer's block how to handle unrelenting pressure and avoid burnout how to combine enduring attitudes with new development paradigms how to manage your time and avoid blind alleys marshes bogs and swamps how to foster environments where programmers and teams can thrive when to say no and how to say it when to say yes and what yes really means

## **The Robert C. Martin Clean Code Collection (Collection)**

2020-07-25

this book gathers selected high quality papers presented at the international conference on machine learning and computational intelligence icmlci 2019 jointly organized by kunming university of science and technology and the interscience research network bhubaneswar india from april 6 to 7 2019 addressing virtually all aspects of intelligent systems soft computing and machine learning the topics covered include prediction data mining information retrieval game playing robotics learning methods pattern visualization automated knowledge acquisition fuzzy stochastic and probabilistic computing neural computing big data social networks and applications of soft computing in various areas

## **Advances in Machine Learning and Computational Intelligence**

2005-04-26

many software projects fail because their leaders don't know how to estimate schedule or measure them accurately fortunately proven tools and techniques exist for every facet of software estimation estimating software intensive systems brings them together in a real world guidebook that will help software managers engineers and customers immediately improve their estimates and drive continuing improvements over time dick stutzke presents here a disciplined and repeatable process that can produce accurate and complete estimates for any project product or process no matter how new or unusual stutzke doesn't just describe formal techniques he offers simple easy to use templates spreadsheets and tools you can start using today to identify and estimate product size performance and quality as well as project cost schedule and risk reserves stutzke shows how to quickly get your arms around users problems and requirements the structure of a solution and the process needed to deliver it you'll learn how to choose the most appropriate estimating techniques and tools collect accurate data track progress and update estimates and recalibrate estimating models to improve estimation accuracy stutzke's techniques apply whether you're creating custom in house business software purchasing or customizing off the shelf technology or constructing complex one of a kind military industrial or commercial systems these techniques apply to small and large projects and to all project life cycles from agile to plan driven this book will help you plan estimate budget schedule purchase design build test deploy operate and maintain software intensive systems it explains how to size software identify all cost components calculate the associated costs and set a competitive price a separate section covers topics of interest for large projects designing an appropriate work breakdown structure collecting data from cost accounting systems and using earned value measurement you'll find updates and even more information on this book's companion web site [sw-estimation.com](http://sw-estimation.com)

## **Estimating Software-Intensive Systems**

2019-07-25

demystifying archival projects five essentials for success will benefit archivists who lead or participate in projects without formal project management training as work in archives continues to become more project driven educational and professional development opportunities for archivists have not kept pace this book aims to provide the needed information just enough project management methodology to bridge that knowledge gap

## **Demystifying Archival Projects**

2021-08-23

this guide shows readers how to transform a traditional organization into an evolutionary one with a framework and mindset that offer a new way of leading and approaching change now more than ever society is demanding change and organizations are being asked to shift into more conscious and agile business practices yet most of what people believe about leadership effective workplaces and how to create lasting change is either incomplete or outright incorrect and even if the desire to change is there

understanding of how to achieve it is elusive this book holds the key it introduces the shift evolutionary leadership framework self which helps leaders create the understanding and application needed to evolve high performance at the core of the book are dozens of business patterns that cut across seven dimensions of organizational functioning the traps of traditional organizations are contrasted with the high performance practices of evolutionary organizations authors michael sahota and audree tata sahota explain the steps of leading beyond change evolving beyond servant leadership to make the inner shift needed to unlock the practical skills and techniques whether readers call this shift business agility teal agility evolutionary or the future of work it is possible to create high performing organizations filled with energized people who are able to surf the waves of change

## **Leading Beyond Change**

2019-07-30

one of the most significant books in my life obie fernandez author the rails way twenty years ago the first edition of the pragmatic programmer completely changed the trajectory of my career this new edition could do the same for yours mike cohn author of succeeding with agile agile estimating and planning and user stories applied filled with practical advice both technical and professional that will serve you and your projects well for years to come andrea goulet ceo corgibytes founder legacycode rocks lightning does strike twice and this book is proof vm vicky brasseur director of open source strategy juniper networks the pragmatic programmer is one of those rare tech books you ll read re read and read again over the years whether you re new to the field or an experienced practitioner you ll come away with fresh insights each and every time dave thomas and andy hunt wrote the first edition of this influential book in 1999 to help their clients create better software and rediscover the joy of coding these lessons have helped a generation of programmers examine the very essence of software development independent of any particular language framework or methodology and the pragmatic philosophy has spawned hundreds of books screencasts and audio books as well as thousands of careers and success stories now twenty years later this new edition re examines what it means to be a modern programmer topics range from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse read this book and you ll learn how to fight software rot learn continuously avoid the trap of duplicating knowledge write flexible dynamic and adaptable code harness the power of basic tools avoid programming by coincidence learn real requirements solve the underlying problems of concurrent code guard against security vulnerabilities build teams of pragmatic programmers take responsibility for your work and career test ruthlessly and effectively including property based testing implement the pragmatic starter kit delight your users written as a series of self contained sections and filled with classic and fresh anecdotes thoughtful examples and interesting analogies the pragmatic programmer illustrates the best approaches and major pitfalls of many different aspects of software development whether you re a new coder an experienced programmer or a manager responsible for software projects use these lessons daily and you ll quickly see improvements in personal productivity accuracy and job satisfaction you ll learn skills and develop habits and attitudes that form the foundation for long term success in your career you ll become a pragmatic programmer register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

## **The Pragmatic Programmer**

2006

your customers demand and deserve better security and privacy in their software this book is the first to detail a rigorous proven methodology that measurably minimizes security bugs the security development lifecycle sdl in this long awaited book security experts michael howard and steve lipner from the microsoft security engineering team guide you through each stage of the sdl from education and design to testing and post release you get their first hand insights best practices a practical history of the sdl and lessons to help you implement the sdl in any development organization discover how to use a streamlined risk analysis process to find security design issues before code is committed apply secure coding best practices and a proven testing process conduct a final security review before a product ships arm customers with prescriptive guidance to configure and deploy your product more securely establish a plan to respond to new security vulnerabilities integrate security discipline into agile methods and processes such as extreme programming and scrum includes a cd featuring a six part security class video conducted by the authors and other microsoft security experts sample sdl documents and fuzz testing tool plus get book updates on the for customers who purchase an ebook version of this title instructions for downloading the cd files can be found in the ebook

# The Security Development Lifecycle

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