

Apprenticeship Patterns Guidance For The Aspiring Software Craftsman

Are you doing all you can to further your career as a software developer? With today's rapidly changing and ever-expanding technologies, being successful requires more than technical expertise. To grow professionally, you also need soft skills and effective learning techniques. Honing those skills is what this book is all about. Authors Dave Hoover and Adewale Oshineye have cataloged dozens of behavior patterns to help you perfect essential aspects of your craft. Compiled from years of research, many interviews, and feedback from O'Reilly's online forum, these patterns address difficult situations that programmers, administrators, and DBAs face every day. And it's not just about financial success. Apprenticeship Patterns also approaches software development as a means to personal fulfillment. Discover how this book can help you make the best of both your life and your career. Solutions to some common obstacles that this book explores in-depth include: Burned out at work? "Nurture Your Passion" by finding a pet project to rediscover the joy of problem solving. Feeling overwhelmed by new information? Re-explore familiar territory by building something you've built before, then use "Retreat into Competence" to move forward again. Stuck in your learning? Seek a team of experienced and talented developers with whom you can "Be the Worst" for a while. "Brilliant stuff! Reading this book was like being in a time machine that pulled me back to those key learning moments in my career as a professional software developer and, instead of having to learn best practices the hard way, I had a guru sitting on my shoulder guiding me every step towards master craftsmanship. I'll certainly be recommending this book to clients. I wish I had this book 14 years ago!"-Russ Miles, CEO, OpenCredo

How do you price your software? Is it art, science or magic? How much attention should you pay to your competitors? This short handbook will provide you with the theory, practical advice and case studies you need to stop yourself from reaching for the dice. Table of Contents Chapter 01: Some - but not too much - Economics Chapter 02: Pricing Psychology: What is your product worth? Chapter 03: Pricing Pitfalls Chapter 04: Advanced Pricing Chapter 05: What your price says about you (and how to change it) Why read this book? "At Business of Software 2007 Michael Pryor held an impromptu session on how to price your software. So many people turned up, and so many people kept on arriving, that by the time they'd introduced themselves there was no time left to talk about software pricing. I've had similar experiences; in fact, How do I price my software? is probably the most common question I'm asked by software entrepreneurs and product managers. This handbook is an attempt to answer that question." Neil Davidson, Author. About the Author Neil Davidson is co-founder and joint CEO of Red Gate Software. Red Gate was founded in 1999 and now employs some 150 people. It was Cambridge News business of the year in 2006 and has been in the Sunday Times top 100 companies to work for three years running. It was founded with no VC money and little debt. Neil is also founder of the annual Business of Software conference and runs the Business of Software social network.

Mentorship is a catalyst capable of unleashing one's potential for discovery, curiosity, and participation in STEMM and subsequently improving the training environment in which that STEMM potential is fostered. Mentoring relationships provide developmental spaces in which students' STEMM skills are honed and pathways into STEMM fields can be discovered. Because mentorship can be so influential in shaping the future STEMM workforce, its occurrence should not be left to chance or idiosyncratic implementation. There is a gap between what we know about effective mentoring and how it is practiced in higher education. The Science of Effective Mentorship in STEMM studies mentoring programs and practices at the undergraduate and graduate levels. It explores the importance of mentorship, the science of mentoring relationships, mentorship of underrepresented students in STEMM, mentorship structures and behaviors, and institutional cultures that support mentorship. This report and its complementary interactive guide present insights on effective programs and practices that can be adopted and adapted by institutions, departments, and individual faculty members.

Dated July 2016. Print and web pdfs available at <https://www.gov.uk/government/publications> Web ISBN=9781474132381 CD-ROM contains cross-referenced code.

Vital techniques needed to achieve a more relaxed, energized, and integrated approach to our lives. This practical guide introduces readers to the Zen principles Tom Crum has lived by and taught for many years. As a black belt in aikido, a motivational speaker, and an instructor in everything from mathematics to skiing, Crum learned that the key to success in any endeavor is mastering the art of "centering." He teaches here the vital techniques for achieving a more relaxed, energized, and integrated approach to our lives.

Use this brand-new textbook written to support the Level 3 CIPD Certificate in People Practice to succeed in your studies and launch your career as a people professional. Structured around the core knowledge and behaviours needed for the Level 3 CIPD qualification, People Practice provides a thorough understanding of the theory and practice of the key areas of the people profession. This includes business, culture and change in context, workforce analytics and the necessary skills and knowledge for people professionals. This book covers everything from understanding how external factors impact organizational goals, how to develop professional courage and build ethical and inclusive practices through to recruitment, performance, reward and supporting others. Written by the team who developed the new CIPD Level 3 qualification, this book will ensure that students learn both the theory and practice necessary for their academic studies and their future careers. Full of case studies, exercises, key definition boxes and reflective questions, this book will allow students to test their understanding, see how the theory applies in the workplace and develop their critical thinking skills. Further reading suggestions in each chapter encourage a wide and broad engagement with the subject. Online resources include PowerPoint slides, a lecturer's manual and multiple choice questions for students.

This joint OECD-ILO publication provides guidance on how local and regional governments can foster business-education partnerships in apprenticeship programmes and other types of work-based learning, drawing on case studies across nine countries.

Be a Better Developer and Deliver Better Code Despite advanced tools and methodologies, software projects continue to fail. Why? Too many organizations still view software development as just another production line. Too many developers feel that way, too—and they behave accordingly. In *The Software Craftsman: Professionalism, Pragmatism, Pride*, Sandro Mancuso offers a better and more fulfilling path. If you want to develop software with pride and professionalism; love what you do and do it with excellence; and build a career with autonomy, mastery, and purpose, it starts with the recognition that you are a craftsman. Once you embrace this powerful mindset, you can achieve unprecedented levels of

technical excellence and customer satisfaction. Mancuso helped found the world's largest organization of software craftsmen; now, he shares what he's learned through inspiring examples and pragmatic advice you can use in your company, your projects, and your career. You will learn Why agile processes aren't enough and why craftsmanship is crucial to making them work How craftsmanship helps you build software right and helps clients in ways that go beyond code How and when to say "No" and how to provide creative alternatives when you do Why bad code happens to good developers and how to stop creating and justifying it How to make working with legacy code less painful and more productive How to be pragmatic—not dogmatic—about your practices and tools How to lead software craftsmen and attract them to your organization What to avoid when advertising positions, interviewing candidates, and hiring developers How developers and their managers can create a true culture of learning How to drive true technical change and overcome deep patterns of skepticism Sandro Mancuso has coded for startups, software houses, product companies, international consultancies, and investment banks. In October 2013, he cofounded Codurance, a consultancy based on Software Craftsmanship principles and values. His involvement with Software Craftsmanship began in 2010, when he founded the London Software Craftsmanship Community (LSCC), now the world's largest and most active Software Craftsmanship community, with more than two thousand craftsmen. For the past four years, he has inspired and helped developers to organize Software Craftsmanship communities throughout Europe, the United States, and the rest of the world. The practice of building software is a "new kid on the block" technology. Though it may not seem this way for those who have been in the field for most of their careers, in the overall scheme of professions, software builders are relative "newbies." In the short history of the software field, a lot of facts have been identified, and a lot of fallacies promulgated. Those facts and fallacies are what this book is about. There's a problem with those facts—and, as you might imagine, those fallacies. Many of these fundamentally important facts are learned by a software engineer, but over the short lifespan of the software field, all too many of them have been forgotten. While reading *Facts and Fallacies of Software Engineering*, you may experience moments of "Oh, yes, I had forgotten that," alongside some "Is that really true?" thoughts. The author of this book doesn't shy away from controversy. In fact, each of the facts and fallacies is accompanied by a discussion of whatever controversy envelops it. You may find yourself agreeing with a lot of the facts and fallacies, yet emotionally disturbed by a few of them! Whether you agree or disagree, you will learn why the author has been called "the premier curmudgeon of software practice." These facts and fallacies are fundamental to the software building field—forget or neglect them at your peril!

'Machiavelli has a new rival, and Sun-tzu had better watch his back' - New York Times Around the globe, people are facing the same problem - that we are born as individuals but are forced to conform to the rules of society if we want to succeed. To see our uniqueness expressed in our achievements, we must first learn the rules - and then how to change them completely. Charles Darwin began as an underachieving schoolboy, Leonardo da Vinci as an illegitimate outcast. The secret of their eventual greatness lies in a 'rigorous apprenticeship': by paying close and careful attention, they learnt to master the 'hidden codes' which determine ultimate success or failure. Then, they rewrote the rules as a reflection of their own individuality, blasting previous patterns of achievement open from within. Told through Robert Greene's signature blend of historical anecdote and psychological insight and drawing on interviews with world leaders, *Mastery* builds on the strategies outlined in *The 48 Laws of Power* to provide a practical guide to greatness - and how to start living by your own rules. From the internationally bestselling author of *The 48 Laws of Power*, *The Art Of Seduction*, and *The 33 Strategies Of War*.

On cover and title page: Equality Act 2010 code of practice

Key concepts and best practices for new software engineers — stuff critical to your workplace success that you weren't taught in school. For new software engineers, knowing how to program is only half the battle. You'll quickly find that many of the skills and processes key to your success are not taught in any school or bootcamp. *The Missing README* fills in that gap—a distillation of workplace lessons, best practices, and engineering fundamentals that the authors have taught rookie developers at top companies for more than a decade. Early chapters explain what to expect when you begin your career at a company. The book's middle section expands your technical education, teaching you how to work with existing codebases, address and prevent technical debt, write production-grade software, manage dependencies, test effectively, do code reviews, safely deploy software, design evolvable architectures, and handle incidents when you're on-call. Additional chapters cover planning and interpersonal skills such as Agile planning, working effectively with your manager, and growing to senior levels and beyond. You'll learn:

- How to use the legacy code change algorithm, and leave code cleaner than you found it
- How to write operable code with logging, metrics, configuration, and defensive programming
- How to write deterministic tests, submit code reviews, and give feedback on other people's code
- The technical design process, including experiments, problem definition, documentation, and collaboration
- What to do when you are on-call, and how to navigate production incidents
- Architectural techniques that make code change easier
- Agile development practices like sprint planning, stand-ups, and retrospectives

This is the book your tech lead wishes every new engineer would read before they start. By the end, you'll know what it takes to transition into the workplace—from CS classes or bootcamps to professional software engineering.

This book is for system engineers and administrators who have a fundamental understanding of information management systems and infrastructure. It helps if you've already played around with Chef; however, this book covers all the important topics you will need to know. If you don't want to dig through a whole book before you can get started, this book is for you, as it features a set of independent recipes you can try out immediately.

Minority youth unemployment is an enduring economic and social concern. This book evaluates two new initiatives for minority high school students that seek to cultivate marketable job skills. The first is an after-school program that provides experiences similar to apprenticeships, and the second emphasizes new approaches to improving job interview

performance. The evaluation research has several distinct strengths. It involves a randomized controlled trial, uncommon in assessments of this issue and age group. Marketable job skills are assessed through a mock job interview developed for this research and administered by experienced human resource professionals. Mixed methods are utilized, with qualitative data shedding light on what actually happens inside the programs, and a developmental science approach situating the findings in terms of adolescent development. Beneficial for policy makers and practitioners as well as scholars, *Job Skills and Minority Youth* focuses on identifying the most promising tactics and addressing likely implementation issues.

Throughout the world, people understand the meaning of 'apprenticeship'. As a model of learning and skill formation, apprenticeship has adapted over the years to reflect changes in work, in technology, and in the types of knowledge that underpin occupational expertise. Apprenticeship serves the needs of government, as well as employers, individuals and society more generally. These needs have always co-existed in dynamic tension. This book explores the contemporary state of apprenticeship in Europe, the United States, Canada, and Ghana. The chapters present perspectives from leading researchers in the field, showing how apprenticeship is evolving and changing in every country (crossing boundaries of age, sector and levels of skill and knowledge) and examining the ability of apprenticeship to facilitate both vertical progression – particularly to higher education – and horizontal progression between jobs and sectors. As such, apprenticeship remains at the core of debates about vocational learning and the nature of expertise. This book was originally published as a special issue of the *Journal of Vocational Education and Training*.

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

The phenomenal increases in processing power and memory capacity of computing hardware over recent years have allowed manufacturers to produce smaller and smaller computer systems such as palmtop PCs, smart cards and embedded control systems on domestic and industrial appliances. New techniques such as dynamic memory management and object-orientation help programming but tend to require additional memory. Standard programming techniques do not cope with these limited memory-capacity environments. This book will provide practical help for programmers developing software for this kind of environment. The major content is a series of patterns developed by the authors based on solutions which have been found to work in real-life situations. They range from small system design patterns and process management patterns, to patterns for User Interface development, compression and memory storage. This book will appeal to developers using Windows CE or building mobile telephones, smart cards, embedded devices, set-top computers - in short, all programmers working with memory-constrained systems.

Learn to build a full-fledged application in Spring and Kotlin taking a reactive, microservice-based approach for scalability and robustness in the cloud
Key Features
Build a full-fledged application in Spring and Kotlin
Architect your application to take a microservice-based approach in the cloud
Integrate your application with a variety of Spring components
Book Description
Kotlin is being used widely by developers because of its light weight, built-in null safety, and functional and reactive programming aspects. Kotlin shares the same pragmatic, innovative and opinionated mindset as Spring, so they work well together. Spring when combined with Kotlin helps you to reach a new level of productivity. This combination has helped developers to create Functional Applications using both the tools together. This book will teach you how to take advantage of these developments and build robust, scalable and reactive applications with ease. In this book, you will begin with an introduction to Spring and its setup with Kotlin. You will then dive into assessing the design considerations of your application. Then you will learn to use Spring (with Spring Boot) along with Kotlin to build a robust backend in a microservice architecture with a REST based collaboration, and leverage Project Reactor in your application. You'll then learn how to integrate Spring Data and Spring Cloud to manage configurations for database interaction and cloud deployment. You'll also learn to use Spring Security to beef up security of your application before testing it with the JUnit framework and then deploying it on a cloud platform like AWS. What you will learn
Explore Spring 5 concepts with Kotlin
Learn both dependency injections and complex configurations
Utilize Spring Data, Spring Cloud, and Spring Security in your applications
Create efficient reactive systems with Project Reactor
Write unit tests for your Spring/Kotlin applications
Deploy applications on cloud platforms like AWS
Who this book is for
Developers comfortable using Spring who have basic knowledge of Kotlin and want to take their development skills to the next level and build enterprise-grade applications will benefit from this book.

Children are already learning at birth, and they develop and learn at a rapid pace in their early years. This provides a critical foundation for lifelong progress, and the adults who provide for the care and the education of young children bear a great responsibility for their health, development, and learning. Despite the fact that they share the same objective - to nurture young children and secure their future success - the various practitioners who contribute to the care and the education of children from birth through age 8 are not acknowledged as a workforce unified by the common knowledge and competencies needed to do their jobs well. *Transforming the Workforce for Children Birth Through Age 8* explores the science of child development, particularly looking at implications for the professionals who work with children. This report examines the current capacities and practices of the workforce, the settings in which they work, the policies and infrastructure that set qualifications and provide professional learning, and the government agencies and other funders who support and oversee these systems. This book then makes

recommendations to improve the quality of professional practice and the practice environment for care and education professionals. These detailed recommendations create a blueprint for action that builds on a unifying foundation of child development and early learning, shared knowledge and competencies for care and education professionals, and principles for effective professional learning. Young children thrive and learn best when they have secure, positive relationships with adults who are knowledgeable about how to support their development and learning and are responsive to their individual progress. Transforming the Workforce for Children Birth Through Age 8 offers guidance on system changes to improve the quality of professional practice, specific actions to improve professional learning systems and workforce development, and research to continue to build the knowledge base in ways that will directly advance and inform future actions. The recommendations of this book provide an opportunity to improve the quality of the care and the education that children receive, and ultimately improve outcomes for children.

A proven program for enhancing students' thinking and comprehension abilities Visible Thinking is a research-based approach to teaching thinking, begun at Harvard's Project Zero, that develops students' thinking dispositions, while at the same time deepening their understanding of the topics they study. Rather than a set of fixed lessons, Visible Thinking is a varied collection of practices, including thinking routines—small sets of questions or a short sequence of steps—as well as the documentation of student thinking. Using this process thinking becomes visible as the students' different viewpoints are expressed, documented, discussed and reflected upon. Helps direct student thinking and structure classroom discussion Can be applied with students at all grade levels and in all content areas Includes easy-to-implement classroom strategies The book also comes with a DVD of video clips featuring Visible Thinking in practice in different classrooms.

Are you doing all you can to further your career as a software developer? With today's rapidly changing and ever-expanding technologies, being successful requires more than technical expertise. To grow professionally, you also need soft skills and effective learning techniques. Honing those skills is what this book is all about. Authors Dave Hoover and Adewale Oshineye have cataloged dozens of behavior patterns to help you perfect essential aspects of your craft. Compiled from years of research, many interviews, and feedback from O'Reilly's online forum, these patterns address difficult situations that programmers, administrators, and DBAs face every day. And it's not just about financial success. Apprenticeship Patterns also approaches software development as a means to personal fulfillment. Discover how this book can help you make the best of both your life and your career. Solutions to some common obstacles that this book explores in-depth include: Burned out at work? "Nurture Your Passion" by finding a pet project to rediscover the joy of problem solving. Feeling overwhelmed by new information? Re-explore familiar territory by building something you've built before, then use "Retreat into Competence" to move forward again. Stuck in your learning? Seek a team of experienced and talented developers with whom you can "Be the Worst" for a while. "Brilliant stuff! Reading this book was like being in a time machine that pulled me back to those key learning moments in my career as a professional software developer and, instead of having to learn best practices the hard way, I had a guru sitting on my shoulder guiding me every step towards master craftsmanship. I'll certainly be recommending this book to clients. I wish I had this book 14 years ago!" -Russ Miles, CEO, OpenCredo

Why we don't really want simplicity, and how we can learn to live with complexity. If only today's technology were simpler! It's the universal lament, but it's wrong. In this provocative and informative book, Don Norman writes that the complexity of our technology must mirror the complexity and richness of our lives. It's not complexity that's the problem, it's bad design. Bad design complicates things unnecessarily and confuses us. Good design can tame complexity. Norman gives us a crash course in the virtues of complexity. Designers have to produce things that tame complexity. But we too have to do our part: we have to take the time to learn the structure and practice the skills. This is how we mastered reading and writing, driving a car, and playing sports, and this is how we can master our complex tools. Complexity is good. Simplicity is misleading. The good life is complex, rich, and rewarding—but only if it is understandable, sensible, and meaningful.

A manual on why and how to live a nature-connected lifestyle. The book discusses the biological needs of the human animal, including diet, water, medicine, movement, nature immersion, community, etc. A major theme is the philosophy of civilization vs. rewilding.

Work Process Knowledge brings together the findings of twenty-four leading researchers on new forms of work and the demands these place on workers' knowledge and skill. Their findings, based on a new set of investigations in a wide range of manufacturing and service industries, identify the kinds of knowledge required to work effectively in the post-Taylorist industrial organization. Raising fundamental issues for current industrial policy, science and technology policy, and ways of managing the post-Taylorist organization and developing human resources, this book will be of essential interest to academics and professionals working in the fields of management, human resource development, and workplace learning.

Part of an exciting new series spearheaded by the Royal School of Needlework, this forward-looking guide explores the intricate art of embroidering boxes for use as keepsakes and jewelry boxes. This beautiful, practical guide to creating and embellishing embroidered boxes is written by Heather Lewis, a tutor with the Royal School of Needlework. It contains a history of the embroidered box, from the sixteenth century to the present day, and features techniques and guidance for needleworkers wishing to apply their skills to a practical application of the craft. There are three extended projects to try: a hexagonal box with a lid, a small treasure chest with curved lid, and an intricate stumpwork casket with hidden drawers.

An OECD study of vocational education and training designed to help countries make their systems more responsive to labour market needs. It expands the evidence base, identifies a set of policy options and develops tools to appraise VET policy initiatives.

This interdisciplinary work presents an integration of theory and research on how children develop their thinking as they participate in cultural activity with the guidance and challenge of their caregivers and other companions. The author, a leading developmental psychologist, views development as an apprenticeship in which children engage in the use of intellectual tools in societally structured activities with parents, other adults, and children. The author has gathered evidence from various disciplines—cognitive, developmental, and cultural psychology; anthropology; infancy studies; and communication research—furnishing a coherent and broadly based account of cognitive development in its sociocultural context. This work examines the mutual roles of the individual and the sociocultural world, and the culturally based processes by which children appropriate and extend skill and understanding from their involvement in shared thinking with other people. The book is written in a lively and engaging style and is supplemented by photographs and original illustrations by the author.

When fifteen-year-old Will is rejected by battleschool, he becomes the reluctant apprentice to the mysterious Ranger Halt, and winds up protecting the kingdom from danger.

Technologists who want their ideas heard, understood, and funded are often told to speak the language of business—without really knowing what that is. This book's toolkit provides architects, product managers, technology managers, and executives with a shared language—in the

form of repeatable, practical patterns and templates—to produce great technology strategies. Author Eben Hewitt developed 39 patterns over the course of a decade in his work as CTO, CIO, and chief architect for several global tech companies. With these proven tools, you can define, create, elaborate, refine, and communicate your architecture goals, plans, and approach in a way that executives can readily understand, approve, and execute. This book covers: Architecture and strategy: Adopt a strategic architectural mindset to make a meaningful material impact Creating your strategy: Define the components of your technology strategy using proven patterns Communicating the strategy: Convey your technology strategy in a compelling way to a variety of audiences Bringing it all together: Employ patterns individually or in clusters for specific problems; use the complete framework for a comprehensive strategy

As programmers, we've all seen source code that's so ugly and buggy it makes our brain ache. Over the past five years, authors Dustin Boswell and Trevor Foucher have analyzed hundreds of examples of "bad code" (much of it their own) to determine why they're bad and how they could be improved. Their conclusion? You need to write code that minimizes the time it would take someone else to understand it—even if that someone else is you. This book focuses on basic principles and practical techniques you can apply every time you write code. Using easy-to-digest code examples from different languages, each chapter dives into a different aspect of coding, and demonstrates how you can make your code easy to understand. Simplify naming, commenting, and formatting with tips that apply to every line of code Refine your program's loops, logic, and variables to reduce complexity and confusion Attack problems at the function level, such as reorganizing blocks of code to do one task at a time Write effective test code that is thorough and concise—as well as readable "Being aware of how the code you create affects those who look at it later is an important part of developing software. The authors did a great job in taking you through the different aspects of this challenge, explaining the details with instructive examples." —Michael Hunger, passionate Software Developer This book introduces the author's collection of wisdom under one umbrella: Software Craftmanship. This approach is unique in that it spells out a programmer-centric way to build software. In other words, all the best computers, proven components, and most robust languages mean nothing if the programmer does not understand their craft.

Dispels the myth that JavaScript is a "baby" language and demonstrates why it is the scripting language of choice used in the design of millions of Web pages and server-side applications Quickly covers JavaScript basics and then moves on to more advanced topics such as object-oriented programming, XML, Web services, and remote scripting Addresses the many issues that Web application developers face, including internationalization, security, privacy, optimization, intellectual property issues, and obfuscation Builds on the reader's basic understanding of HTML, CSS, and the Web in general This book is also available as part of the 4-book JavaScript and Ajax Wrox Box (ISBN: 0470227818). This 4-book set includes: Professional JavaScript for Web Developers (ISBN: 0764579088) Professional Ajax 2nd edition (ISBN: 0470109491) Professional Web 2.0 Programming (ISBN: 0470087889) Professional Rich Internet Applications: Ajax and Beyond (ISBN: 0470082801)

In this UPDATED edition of the National Curriculum for England for Key Stages 1 and 2, you will find full programmes of study for all 11 original primary subjects plus three new subjects: Relationships Education; Relationships and Sex Education; and Health Education (to be taught in English schools in September 2020). The National Curriculum for England sets out the framework for the national curriculum at key stages 1 and 2. This statutory guidance includes information about the school curriculum and the national curriculum the aims for the national curriculum statements on inclusion, and on pupils' competence in numeracy and maths, language and literacy across the school programmes of study for KS 1 and 2 for all the subjects that are taught at these key stages.

Building a successful product usually involves teams of people, and many choose the Scrum approach to aid in creating products that deliver the highest possible value. Implementing Scrum gives teams a collection of powerful ideas they can assemble to fit their needs and meet their goals. The ninety-four patterns contained within are elaborated nuggets of insight into Scrum's building blocks, how they work, and how to use them. They offer novices a roadmap for starting from scratch, yet they help intermediate practitioners fine-tune or fortify their Scrum implementations. Experienced practitioners can use the patterns and supporting explanations to get a better understanding of how the parts of Scrum complement each other to solve common problems in product development. The patterns are written in the well-known Alexandrian form, whose roots in architecture and design have enjoyed broad application in the software world. The form organizes each pattern so you can navigate directly to organizational design tradeoffs or jump to the solution or rationale that makes the solution work. The patterns flow together naturally through the context sections at their beginning and end. Learn everything you need to know to master and implement Scrum one step at a time—the agile way.

The first novel in the #1 bestselling RED QUEEN series by Victoria Aveyard. THIS IS A WORLD DIVIDED BY BLOOD - RED OR SILVER. The Reds are commoners, ruled by a Silver elite in possession of god-like superpowers. And to Mare Barrow, a seventeen-year-old Red girl from the poverty-stricken Stilts, it seems like nothing will ever change. That is, until she finds herself working in the Silver Palace. Here, surrounded by the people she hates the most, Mare discovers that, despite her red blood, she possesses a deadly power of her own. One that threatens to destroy the balance of power. Fearful of Mare's potential, the Silvers hide her in plain view, declaring her a long-lost Silver princess, now engaged to a Silver prince. Despite knowing that one misstep would mean her death, Mare works silently to help the Red Guard, a militant resistance group, and bring down the Silver regime. But this is a world of betrayal and lies, and Mare has entered a dangerous dance - Reds against Silvers, prince against prince, and Mare against her own heart . . .

Read the international bestselling RED QUEEN series in full: Book 1: RED QUEEN Book 2: GLASS SWORD Book 3: KING'S CAGE Book 4: WAR STORM Book 5: BROKEN THRONE (AN EXCLUSIVE RED QUEEN COLLECTION)

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