

Lean Ux 2e

User experience (UX) design has traditionally been a deliverables-based practice, with wireframes, site maps, flow diagrams, and mockups. But in today's web-driven reality, orchestrating the entire design from the get-go no longer works. This hands-on book demonstrates Lean UX, a deeply collaborative and cross-functional process that lets you strip away heavy deliverables in favor of building shared understanding with the rest of the product team. Lean UX is the evolution of product design; refined through the real-world experiences of companies large and small, these practices and principles help you maintain daily, continuous engagement with your teammates, rather than work in isolation. This book shows you how to use Lean UX on your own projects. Get a tactical understanding of Lean UX—and how it changes the way teams work together

Frame a vision of the problem you're solving and focus your team on the right outcomes
Bring the designer's tool kit to the rest of your product team
Break down the silos created by job titles and learn to trust your teammates
Improve the quality and productivity of your teams, and focus on validated experiences as opposed to deliverables/documents
Learn how Lean UX integrates with Agile UX
Discover the techniques behind beautiful design by deconstructing designs to understand them
The term 'hacker' has been redefined to consist of anyone who has an insatiable curiosity as to how things work—and how they can try to make them better. This book is aimed at hackers of all skill levels and explains the classical principles and techniques behind beautiful designs by deconstructing those designs in order to understand what makes them so remarkable. Author and designer David Kadavy provides you with the framework for understanding good design and places a special emphasis on interactive mediums. You'll explore color theory, the role of proportion and geometry in design, and the relationship between medium and form. Packed with unique reverse engineering design examples, this book inspires and encourages you to discover and create new beauty in a variety of formats. Breaks down and studies the classical principles and techniques behind the creation of beautiful design
Illustrates cultural and contextual considerations in communicating to a specific audience
Discusses why design is important, the purpose of design, the various constraints of design, and how today's fonts are designed with the screen in mind
Dissects the elements of color, size, scale, proportion, medium, and form
Features a unique range of examples, including the graffiti in the ancient city of Pompeii, the lack of the color black in Monet's art, the style and sleekness of the iPhone, and more
By the end of this book, you'll be able to apply the featured design principles to your own web designs, mobile apps, or other digital work.

Vehicle Dynamics and Control provides a comprehensive coverage of vehicle control systems and the dynamic models used in the development of these control systems. The control system applications covered in the book include cruise control, adaptive cruise control, ABS, automated lane keeping, automated highway systems, yaw stability control, engine control, passive, active and semi-active suspensions, tire-road friction coefficient estimation, rollover prevention, and hybrid electric vehicles. In developing the dynamic model for each application, an effort is made to both keep the model simple enough for control system design but at the same time rich enough to capture the essential features of the dynamics. A special effort has been made to explain the several different tire models commonly used in literature and to interpret them physically. In the second edition of the book, chapters on roll dynamics, rollover prevention and hybrid electric vehicles have been added, and the chapter on electronic stability control has been enhanced. The use of feedback control systems on automobiles is growing rapidly. This book is intended to serve as a useful resource to researchers who work on the development of such control systems, both in the automotive industry and at universities. The book can also serve as a textbook for a graduate level course on

Vehicle Dynamics and Control.

The End of Assembly Line Management We're in the midst of a revolution. Quantum leaps in technology are enabling organizations to observe and measure people's behavior in real time, communicate internally at extraordinary speed, and innovate continuously. These new, software-driven technologies are transforming the way companies interact with their customers, employees, and other stakeholders. This is no mere tech issue. The transformation requires a complete rethinking of the way we organize and manage work. And, as software becomes ever more integrated into every product and service, making this big shift is quickly becoming the key operational challenge for businesses of all kinds. We need a management model that doesn't merely account for, but actually embraces, continuous change. Yet the truth is, most organizations continue to rely on outmoded, industrial-era operational models. They structure their teams, manage their people, and evolve their organizational cultures the way they always have. Now, organizations are emerging, and thriving, based on their capacity to sense and respond instantly to customer and employee behaviors. In *Sense and Respond*, Jeff Gothelf and Josh Seiden, leading tech experts and founders of the global Lean UX movement, vividly show how these companies operate, highlighting the new mindset and skills needed to lead and manage them—and to continuously innovate within them. In illuminating and instructive business examples, you'll see organizations with distinctively new operating principles: shifting from managing outputs to what the authors call "outcome-focused management"; forming self-guided teams that can read and react to a fast-changing environment; creating a learning-all-the-time culture that can understand and respond to new customer behaviors and the data they generate; and finally, developing in everyone at the company the new universal skills of customer listening, assessment, and response. This engaging and practical book provides the crucial new operational and management model to help you and your organization win in a world of continuous change.

Data is getting bigger and more complex by the day, and so are your choices in handling it. Explore some of the most cutting-edge databases available - from a traditional relational database to newer NoSQL approaches - and make informed decisions about challenging data storage problems. This is the only comprehensive guide to the world of NoSQL databases, with in-depth practical and conceptual introductions to seven different technologies: Redis, Neo4J, CouchDB, MongoDB, HBase, Postgres, and DynamoDB. This second edition includes a new chapter on DynamoDB and updated content for each chapter. While relational databases such as MySQL remain as relevant as ever, the alternative, NoSQL paradigm has opened up new horizons in performance and scalability and changed the way we approach data-centric problems. This book presents the essential concepts behind each database alongside hands-on examples that make each technology come alive. With each database, tackle a real-world problem that highlights the concepts and features that make it shine. Along the way, explore five database models - relational, key/value, columnar, document, and graph - from the perspective of challenges faced by real applications. Learn how MongoDB and CouchDB are strikingly different, make your applications faster with Redis and more connected with Neo4J, build a cluster of HBase servers using cloud services such as Amazon's Elastic MapReduce, and more. This new edition brings a brand new chapter on DynamoDB, updated code samples and exercises, and a more up-to-date account of each database's feature set. Whether you're a programmer building the next big thing, a data scientist seeking solutions to thorny problems, or a technology enthusiast venturing into new territory, you will find something to inspire you in this book. **What You Need:** You'll need a *nix shell (Mac OS or Linux preferred, Windows users will need Cygwin), Java 6 (or greater), and Ruby 1.8.7 (or greater). Each chapter will list the downloads required for that database. User experience (UX) strategy requires a careful blend of business strategy and UX design, but until now, there hasn't been an easy-to-apply framework for executing it. This hands-on guide introduces lightweight strategy tools and techniques to help you and your team craft

innovative multi-device products that people want to use. Whether you're an entrepreneur, UX/UI designer, product manager, or part of an intrapreneurial team, this book teaches simple-to-advanced strategies that you can use in your work right away. Along with business cases, historical context, and real-world examples throughout, you'll also gain different perspectives on the subject through interviews with top strategists. Define and validate your target users through provisional personas and customer discovery techniques Conduct competitive research and analysis to explore a crowded marketplace or an opportunity to create unique value Focus your team on the primary utility and business model of your product by running structured experiments using prototypes Devise UX funnels that increase customer engagement by mapping desired user actions to meaningful metrics

So you've got an idea for an iPhone app -- along with everyone else on the planet. Set your app apart with elegant design, efficient usability, and a healthy dose of personality. This accessible, well-written guide shows you how to design exceptional user experiences for the iPhone and iPod Touch through practical principles and a rich collection of visual examples. Whether you're a designer, programmer, manager, or marketer, Tapworthy teaches you to "think iPhone" and helps you ask the right questions -- and get the right answers -- throughout the design process. You'll explore how considerations of design, psychology, culture, ergonomics, and usability combine to create a tapworthy app. Along the way, you'll get behind-the-scenes insights from the designers of apps like Facebook, USA Today, Twitterrific, and many others. Develop your ideas from initial concept to finished design Build an effortless user experience that rewards every tap Explore the secrets of designing for touch Discover how and why people really use iPhone apps Learn to use iPhone controls the Apple way Create your own personality-packed visuals

The most important things you need to know about creating successful user experiences We want our UX to be brilliant. We want to create stunning user experiences. We want our UX to drive the success of our business with useful and usable software products. This book draws on the wisdom and training of Jakob Nielsen and Don Norman to help you get your UX right - in 101 ways! 101 UX Principles shows you the 101 most important things you need to know about usability and design. A practical reference for UX professionals, and a shortcut to greatness for anyone who needs a clear and wise selection of principles to guide their UX success. Learn the key principles that drive brilliant UX design. Enjoy 101 Principles including 'Good UX has a Beginning, a Middle, and an End', 'Make Your Links Look Like Links', 'Don't Use Obsolete Icons', 'Decide Whether an Interaction Should Be Obvious, Easy, or Possible', 'Test with Real Users', 'Making the most of fonts', 'Good UX for search results', and 'Show your user - don't tell your user!' "Good to read from beginning to end, and a nice dip-in-and-out text, the chapter titles reminded me of principles I don't even think about explicitly when I likely should. The book inspired me to start more explicitly articulating some of the principles I just take for granted." - Elizabeth Churchill, Director of User Experience at Google "This is a great practical read. It is convenient to use as a reference when solving real UX problems. I would definitely recommend it as an introduction to UX, but also as a good reminder of best practices for more experienced designers." - Anne-Marie Léger, Designer at Shopify "A great Mood Booster and Pep Talk. Like a good pep talk from a sports coach before a game, Will reminds us of the common pitfalls we all come across." - Kate Pincott Product Designer at Facebook Some more of the 101 UX Principles featured in this book: Work with user expectations not against them How to build upon established metaphors How to arrange navigation elements How to introduce new ideas to your user Matching pagination and content structure When invention is not good for UX Striving for simplicity Reducing user tasks What to make clickable Making the most of fonts Making your links look like links Picking the right control for the job Data input and what users care about How to handle destructive user actions When color should not convey information Tappable areas and the size of fingers Getting payment

details the right way Use the standard e-commerce pattern If you really must use a flat design When to use progress bars or spinners Dropdowns the right and wrong way Handling just-off-screen content How to do Hamburger menus right When to hide Advanced Settings Good UX for Notifications

Companies from startups to corporate giants face massive amounts of disruption today. Now more than ever, organizations need nimble and responsive leaders who know how to exploit the opportunities that change brings. In this insightful book, Jean Dahl, a senior executive and expert in the Lean mindset and its methods, demonstrates why you need to embrace Modern Lean principles and thinking to redefine leadership in this age of digital disruption in order to continuously evolve the Lean enterprise. Drawing on nearly three decades of corporate and consulting experience, Ms. Dahl lays out a new holistic framework for developing Modern Lean leaders. Through personal experiences and compelling real-world case studies, she explains specific steps necessary for you and your company to proactively understand and respond to change. Understand the leadership challenges Lean leaders face in our 21st century global economy Explore the six dimensions of the Modern Lean Framework™ Learn and apply the nine steps necessary to become a Lean leader Use Modern Lean methods to build a culture of continuous learning that can be sustained and maintained within your organization Seize competitive advantage by embracing Modern Lean to build an enterprise that understands how to respond to disruption

Prototyping and user testing is the best way to create successful products, but many designers skip this important step and use gut instinct instead. By explaining the goals and methodologies behind prototyping—and demonstrating how to prototype for both physical and digital products—this practical guide helps beginning and intermediate designers become more comfortable with creating and testing prototypes early and often in the process. Author Kathryn McElroy explains various prototyping methods, from fast and dirty to high fidelity and refined, and reveals ways to test your prototypes with users. You'll gain valuable insights for improving your product, whether it's a smartphone app or a new electronic gadget. Learn similarities and differences between prototyping for physical and digital products Know what fidelity level is needed for different prototypes Get best practices for prototyping in a variety of mediums, and choose which prototyping software or components to use Learn electronics prototyping basics and resources for getting started Write basic pseudocode and translate it into usable code for Arduino Conduct user tests to gain insights from prototypes

The Persona Lifecycle is a field guide exclusively focused on interaction design's most popular new technique. The Persona Lifecycle addresses the "how" of creating effective personas and using those personas to design products that people love. It doesn't just describe the value of personas; it offers detailed techniques and tools related to planning, creating, communicating, and using personas to create great product designs. Moreover, it provides rich examples,

samples, and illustrations to imitate and model. Perhaps most importantly, it positions personas not as a panacea, but as a method used to complement other user-centered design (UCD) techniques including scenario-based design, cognitive walkthroughs and user testing. The authors developed the Persona Lifecycle model to communicate the value and practical application of personas to product design and development professionals. This book explores the complete lifecycle of personas, to guide the designer at each stage of product development. It includes a running case study with rich examples and samples that demonstrate how personas can be used in building a product end-to-end. It also presents recommended best practices in techniques, tools, and innovative methods and contains hundreds of relevant stories, commentary, opinions, and case studies from user experience professionals across a variety of domains and industries. This book will be a valuable resource for UCD professionals, including usability practitioners, interaction designers, technical writers, and program managers; programmers/developers who act as the interaction designers for software; and those professionals who work with developers and designers. Features

- * Presentation and discussion of the complete lifecycle of personas, to guide the designer at each stage of product development.
- * A running case study with rich examples and samples that demonstrate how personas can be used in building a product end-to-end.
- * Recommended best practices in techniques, tools, and innovative methods.
- * Hundreds of relevant stories, commentary, opinions, and case studies from user experience professionals across a variety of domains and industries.

A cross-disciplinary reference of design. Pairs common design concepts with examples that illustrate them in practice. The discipline of user experience (UX) design has matured into a confident practice and this edition reflects, and in some areas accelerates, that evolution. Technically this is the second edition of *The UX Book*, but so much of it is new, it is more like a sequel. One of the major positive trends in UX is the continued emphasis on design—a kind of design that highlights the designer’s creative skills and insights and embodies a synthesis of technology with usability, usefulness, aesthetics, and meaningfulness to the user. In this edition a new conceptual top-down design framework is introduced to help readers with this evolution. This entire edition is oriented toward an agile UX lifecycle process, explained in the funnel model of agile UX, as a better match to the now de facto standard agile approach to software engineering. To reflect these trends, even the subtitle of the book is changed to “Agile UX design for a quality user experience . Designed as a how-to-do-it handbook and field guide for UX professionals and a textbook for aspiring students, the book is accompanied by in-class exercises and team projects. The approach is practical rather than formal or theoretical. The primary goal is still to imbue an understanding of what a good user experience is and how to achieve it. To better serve this, processes, methods, and techniques are introduced early to establish process-related concepts as context for discussion in later chapters. Winner of a 2020 Textbook Excellence Award (College) (Texty) from the Textbook and

Academic Authors Association A comprehensive textbook for UX/HCI/Interaction Design students readymade for the classroom, complete with instructors' manual, dedicated web site, sample syllabus, examples, exercises, and lecture slides Features HCI theory, process, practice, and a host of real world stories and contributions from industry luminaries to prepare students for working in the field The only HCI textbook to cover agile methodology, design approaches, and a full, modern suite of classroom material (stemming from tried and tested classroom use by the authors)

The missing manual on how to apply Lean Startup to build products that customers love The Lean Product Playbook is a practical guide to building products that customers love. Whether you work at a startup or a large, established company, we all know that building great products is hard. Most new products fail. This book helps improve your chances of building successful products through clear, step-by-step guidance and advice. The Lean Startup movement has contributed new and valuable ideas about product development and has generated lots of excitement. However, many companies have yet to successfully adopt Lean thinking. Despite their enthusiasm and familiarity with the high-level concepts, many teams run into challenges trying to adopt Lean because they feel like they lack specific guidance on what exactly they should be doing. If you are interested in Lean Startup principles and want to apply them to develop winning products, this book is for you. This book describes the Lean Product Process: a repeatable, easy-to-follow methodology for iterating your way to product-market fit. It walks you through how to: Determine your target customers Identify underserved customer needs Create a winning product strategy Decide on your Minimum Viable Product (MVP) Design your MVP prototype Test your MVP with customers Iterate rapidly to achieve product-market fit This book was written by entrepreneur and Lean product expert Dan Olsen whose experience spans product management, UX design, coding, analytics, and marketing across a variety of products. As a hands-on consultant, he refined and applied the advice in this book as he helped many companies improve their product process and build great products. His clients include Facebook, Box, Hightail, Epocrates, and Medallia. Entrepreneurs, executives, product managers, designers, developers, marketers, analysts and anyone who is passionate about building great products will find The Lean Product Playbook an indispensable, hands-on resource.

Users can dramatically improve the design, performance, and manageability of object-oriented code without altering its interfaces or behavior. "Refactoring" shows users exactly how to spot the best opportunities for refactoring and exactly how to do it, step by step.

As companies evolve to adopt, integrate, and leverage software as the defining element of their success in the 21st century, a rash of processes and methodologies are vying for their product teams' attention. In the worst of cases, each discipline on these teams -- product management, design, and software engineering -- learns a different model. This

short, tactical book reconciles the perceived differences in Lean Startup, Design Thinking, and Agile software development by focusing not on rituals and practices but on the values that underpin all three methods. Written by Jeff Gothelf, the co-author of the award-winning Lean UX and Sense & Respond, the tactics in this book draw on Jeff's years of practice as a team leader and coach in companies ranging from small high-growth startups to large enterprises. Whether you're a product manager, software engineer, designer, or team leader, you'll find practical tools in this book immediately applicable to your team's daily methods.

How do you develop products that people will actually use and buy? This practical guide shows you how to validate product and company ideas through customer development research—before you waste months and millions on a product or service that no one needs or wants. With a combination of open-ended interviewing and fast and flexible research techniques, you'll learn how your prospective customers behave, the problems they need to solve, and what frustrates and delights them. These insights may shake your assumptions, but they'll help you reach the "ah-ha!" moments that inspire truly great products. Validate or invalidate your hypothesis by talking to the right people Learn how to conduct successful customer interviews play-by-play Detect a customer's behaviors, pain points, and constraints Turn interview insights into Minimum Viable Products to validate what customers will use and buy Adapt customer development strategies for large companies, conservative industries, and existing products

Products, technologies, and workplaces change so quickly today that everyone is continually learning. Many of us are also teaching, even when it's not in our job descriptions. Whether it's giving a presentation, writing documentation, or creating a website or blog, we need and want to share our knowledge with other people. But if you've ever fallen asleep over a boring textbook, or fast-forwarded through a tedious e-learning exercise, you know that creating a great learning experience is harder than it seems. In Design For How People Learn, you'll discover how to use the key principles behind learning, memory, and attention to create materials that enable your audience to both gain and retain the knowledge and skills you're sharing. Using accessible visual metaphors and concrete methods and examples, Design For How People Learn will teach you how to leverage the fundamental concepts of instructional design both to improve your own learning and to engage your audience.

Provides information on designing easy-to-use interfaces.

Algorithms play an important role in both the science and practice of computing. To optimally use algorithms, a deeper understanding of their logic and mathematics is essential. Beyond traditional computing, the ability to apply these algorithms to solve real-world problems is a necessary skill, and this is what this book focuses on.

Written by the author of the best-selling HyperText & HyperMedia, this book is an excellent guide to the methods of

usability engineering. The book provides the tools needed to avoid usability surprises and improve product quality. Step-by-step information on which method to use at various stages during the development lifecycle are included, along with detailed information on how to run a usability test and the unique issues relating to international usability. * Emphasizes cost-effective methods that developers can implement immediately * Instructs readers about which methods to use when, throughout the development lifecycle, which ultimately helps in cost-benefit analysis. * Shows readers how to avoid the four most frequently listed reasons for delay in software projects. * Includes detailed information on how to run a usability test. * Covers unique issues of international usability. * Features an extensive bibliography allowing readers to find additional information. * Written by an internationally renowned expert in the field and the author of the best-selling HyperText & HyperMedia.

Whether it's software, a cell phone, or a refrigerator, your customer wants - no, expects - your product to be easy to use. This fully revised handbook provides clear, step-by-step guidelines to help you test your product for usability. Completely updated with current industry best practices, it can give you that all-important marketplace advantage: products that perform the way users expect. You'll learn to recognize factors that limit usability, decide where testing should occur, set up a test plan to assess goals for your product's usability, and more.

Whether you're designing consumer electronics, medical devices, enterprise Web apps, or new ways to check out at the supermarket, today's digitally-enabled products and services provide both great opportunities to deliver compelling user experiences and great risks of driving your customers crazy with complicated, confusing technology. Designing successful products and services in the digital age requires a multi-disciplinary team with expertise in interaction design, visual design, industrial design, and other disciplines. It also takes the ability to come up with the big ideas that make a desirable product or service, as well as the skill and perseverance to execute on the thousand small ideas that get your design into the hands of users. It requires expertise in project management, user research, and consensus-building. This comprehensive, full-color volume addresses all of these and more with detailed how-to information, real-life examples, and exercises. Topics include assembling a design team, planning and conducting user research, analyzing your data and turning it into personas, using scenarios to drive requirements definition and design, collaborating in design meetings, evaluating and iterating your design, and documenting finished design in a way that works for engineers and stakeholders alike.

p>Great user experiences (UX) are essential for products today, but designing one can be a lengthy and expensive process. With this practical, hands-on book, you'll learn how to do it faster and smarter using Lean UX techniques. UX expert Laura Klein shows you what it takes to gather valuable input from customers, build something they'll truly love,

and reduce the time it takes to get your product to market. No prior experience in UX or design is necessary to get started. If you're an entrepreneur or an innovator, this book puts you right to work with proven tips and tools for researching, identifying, and designing an intuitive, easy-to-use product. Determine whether people will buy your product before you build it Listen to your customers throughout the product's lifecycle Understand why you should design a test before you design a product Get nine tools that are critical to designing your product Discern the difference between necessary features and nice-to-haves Learn how a Minimum Viable Product affects your UX decisions Use A/B testing in conjunction with good UX practices Speed up your product development process without sacrificing quality UX design has traditionally been deliverables-based. Wireframes, site maps, flow diagrams, content inventories, taxonomies, mockups helped define the practice in its infancy. Over time, however, this deliverables-heavy process has put UX designers in the deliverables business. Many are now measured and compensated for the depth and breadth of their deliverables instead of the quality and success of the experiences they design. Designers have become documentation subject matter experts, known for the quality of the documents they create instead of the end-state experiences being designed and developed. So what's to be done? This practical book provides a roadmap and set of practices and principles that will help you keep your focus on the the experience back, rather than the deliverables. Get a tactical understanding of how to successfully integrate Lean and UX/Design Find new material on business modeling and outcomes to help teams work more strategically Delve into the new chapter on experiment design Take advantage of updated examples and case studies

After spending the first 10 years of his career climbing the corporate ladder, Jeff Gothelf decided to change his approach to staying employed. Instead of looking for jobs, they would find him. Jeff spent the next 15 years building his personal brand to become a recognized expert, consultant, author and public speaker. In this highly tactical, practical book, Jeff Gothelf shares the tips, tricks, techniques and learnings that helped him become Forever Employable. Using the timeline from his own career and anecdotes, stories and case studies from other successful recognized experts Jeff provides a step-by-step guide to building a foundation based on your current expertise ensuring that no matter what happens in your industry you'll remain Forever Employable. This handy guide to your career and professional development shows you how to create your own content, use it to build your expertise and credentials and then scale it to build a continuous stream of income, interaction and community. As organizations seek to reduce costs, automate tasks and increase efficiency, how do you ensure you don't end up outside of those plans? Forever Employable shows you how so that you're always ready for the next step in your career. Reduce your stress, build your community, monetize your platform -- that's being Forever Employable.

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“...a well written and content rich book. From a teacher's perspective, using this book in an advanced project management seminar challenges students to understand the application of these concepts.” —Alexander Walton, PMP, IT consultant to the University of California at Berkeley Widely acclaimed as one of the top agile books in its first edition, Project Management the Agile Way has now been updated and redesigned by popular demand. This second edition is in a modular format to facilitate training and advanced course instruction, and provides new coverage of agile, such as hybrid agile methods, the latest public sector practices, and a chapter dedicated to transitioning to agile. It discusses the “grand bargain” between project management and business; the shift in dominance from plans to product and from input to output; and introduces new concepts such as return on benefit. Experienced practitioners and students that want to learn how to make agile work effectively in the enterprise should read this book. Individuals preparing for the PMI Agile Certified Practitioner (PMI-ACP)® examination, and training providers developing courses, will find this second edition quite helpful.

This reference manual is designed to help those interested in passing the ASQ's certification exam for Six Sigma Green Belts and others who want a handy reference to the appropriate materials needed to conduct successful Green Belt projects. It is a reference handbook on running projects for those who are already knowledgeable about process improvement and variation reduction. The primary layout of the handbook follows the ASQ Body of Knowledge (BoK) for the Certified Six Sigma Green Belt (CSSGB) updated in 2015. The authors were involved with the first edition handbook, and have utilized first edition user comments, numerous Six Sigma practitioners, and their own personal knowledge gained through helping others prepare for exams to bring together a handbook that they hope will be very beneficial to anyone seeking to pass the ASQ or other Green Belt exams. In addition to the primary text, the authors have added a number of new appendixes, an expanded acronym list, new practice exam questions, and other additional materials

Lean UX Designing Great Products with Agile Teams O'Reilly Media

The interplay between computability and randomness has been an active area of research in recent years, reflected by ample funding in the USA, numerous workshops, and publications on the subject. The complexity and the randomness aspect of a set of natural numbers are closely related. Traditionally, computability theory is concerned with the complexity aspect. However, computability theoretic tools can also be used to introduce mathematical counterparts for the intuitive notion of randomness of a set. Recent research shows that, conversely, concepts and methods originating from randomness enrich computability theory. The book covers topics such as lowness and highness properties, Kolmogorov complexity, betting strategies and higher computability. Both the basics and recent research results are described,

providing a very readable introduction to the exciting interface of computability and randomness for graduates and researchers in computability theory, theoretical computer science, and measure theory.

User Experience Management: Essential Skills for Leading Effective UX Teams deals with specific issues associated with managing diverse user experience (UX) skills, often in corporations with a largely engineering culture. Part memoir and part handbook, it explains what it means to lead a UX team and examines the management issues of hiring, inheriting, terminating, layoffs, interviewing and candidacy, and downsizing. The book offers guidance on building and creating a UX team, as well as equipping and focusing the team. It also considers ways of nurturing the team, from coaching and performance reviews to conflict management and creating work-life balance. Furthermore, it discusses the essential skills needed in leading an effective team and developing a communication plan. This book will be valuable to new managers and leaders, more experienced managers, and anyone who is leading or managing UX groups or who is interested in assuming a leadership role in the future. *Gives a UX leadership boot-camp from putting together a winning team, to giving them a driving focus, to acting as their spokesman, to handling difficult situations *Full of practical advice and experiences for managers and leaders in virtually any area of the user experience field *Contains best practices, real-world stories, and insights from UX leaders at IBM, Microsoft, SAP, and many more!

It's been known for years that usability testing can dramatically improve products. But with a typical price tag of \$5,000 to \$10,000 for a usability consultant to conduct each round of tests, it rarely happens. In this how-to companion to Don't Make Me Think: A Common Sense Approach to Web Usability, Steve Krug spells out a streamlined approach to usability testing that anyone can easily apply to their own Web site, application, or other product. (As he said in Don't Make Me Think, "It's not rocket surgery".) Using practical advice, plenty of illustrations, and his trademark humor, Steve explains how to: Test any design, from a sketch on a napkin to a fully-functioning Web site or application Keep your focus on finding the most important problems (because no one has the time or resources to fix them all) Fix the problems that you find, using his "The least you can do" approach By paring the process of testing and fixing products down to its essentials ("A morning a month, that's all we ask"), Rocket Surgery makes it realistic for teams to test early and often, catching problems while it's still easy to fix them. Rocket Surgery Made Easy adds demonstration videos to the proven mix of clear writing, before-and-after examples, witty illustrations, and practical advice that made Don't Make Me Think so popular.

Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover

new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0. Talking to people about your designs might seem like a basic skill, but it can be difficult to do efficiently and well. And, in many cases, how you communicate about your work with stakeholders, clients, and other non-designers is more critical than the designs themselves—simply because the most articulate person usually wins. This practical guide focuses on principles, tactics, and actionable methods for presenting your designs. Whether you design UX, websites, or products, you'll learn how to win over anyone who has influence over the project—with the goal of creating the best experience for the end user. Walk through the process of preparing for and presenting your designs Understand stakeholder perspectives, and learn how to empathize with them Cultivate both implicit and explicit listening skills Learn tactics and formulas for expressing the most effective response to feedback Discover why the way you follow through is just as crucial as the meeting itself Educate your stakeholders by sharing the chapter from this book on how to work with designers

"While business analytics sounds like a complex subject, this book provides a clear and non-intimidating overview of the topic. Following its advice will ensure that your organization knows the analytics it needs to succeed, and uses them in the service of key strategies and business processes. You too can go beyond reporting!"—Thomas H. Davenport, President's Distinguished Professor of IT and Management, Babson College; coauthor, *Analytics at Work: Smarter Decisions, Better Results* Deliver the right decision support to the right people at the right time Filled with examples and forward-thinking guidance from renowned BA leaders Gert Laursen and Jesper Thorlund, *Business Analytics for Managers* offers powerful techniques for making increasingly advanced use of information in order to survive any market conditions. Take a look inside and find: Proven guidance on developing an information strategy Tips for supporting your company's ability to innovate in the future by using analytics Practical insights for planning and implementing BA How to use information as a strategic asset Why BA is the next stepping-stone for companies in the information age today Discussion on BA's ever-increasing role Improve your business's decision making. Align your business processes with your business's objectives. Drive your company into a prosperous future. Taking BA from buzzword to enormous value-maker, *Business Analytics for Managers* helps you do it all with workable solutions that will add tremendous value to your business.

A comprehensive guide to UI design, providing key features and functional requirements, best practices and design guidelines, and components of the user experience of the application, illustrated with "live" case study examples.

In 2000, Jakob Nielsen, the world's leading expert on Web usability, published a book that changed how people think about the Web—*Designing Web Usability* (New Riders). Many applauded. A few jeered. But everyone listened. The best-selling usability guru

is back and has revisited his classic guide, joined forces with Web usability consultant Hoa Loranger, and created an updated companion book that covers the essential changes to the Web and usability today. *Prioritizing Web Usability* is the guide for anyone who wants to take their Web site(s) to next level and make usability a priority! Through the authors' wisdom, experience, and hundreds of real-world user tests and contemporary Web site critiques, you'll learn about site design, user experience and usability testing, navigation and search capabilities, old guidelines and prioritizing usability issues, page design and layout, content design, and more!

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