

# Bootstrap For Asp Net Mvc Westhuizen Pieter Van Der

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*How We Reason* - Philip Johnson-Laird 2008-10-23

Good reasoning can lead to success; bad reasoning can lead to catastrophe. Yet, it's not obvious how we reason, and why we make mistakes - so much of our mental life goes on outside our awareness. In recent years huge strides have been made into developing a scientific understanding of reasoning. This new book by one of the pioneers of the field, Philip Johnson-Laird, looks at the mental processes that underlie our reasoning. It provides the most accessible account yet of the science of reasoning. We can all reason from our childhood onwards - but how? 'How we reason' outlines a bold approach to understanding reasoning. According to this approach, we don't rely on the laws of logic or probability - we reason by thinking about what's possible, we reason by seeing what is common to the possibilities. As the book shows, this approach can answer many of the questions about how we reason, and what causes mistakes in our reasoning that can lead to disasters such as Chernobyl. It shows why our irrational fears may become psychological illnesses, why terrorists develop 'crazy' ideologies, and how we can act in order to improve our reasoning. The book ends by looking at the role of reasoning in three extraordinary case histories: the Wright brothers' use of analogies in inventing their flyer, the cryptanalysts' deductions in breaking the German's Enigma code in World War II, and Dr. John Snow's inductive reasoning in discovering how cholera spread from one person to another. Accessible, stimulating, and controversial, How we Reason presents a bold new approach to understanding one of the most intriguing facets of being human.

**Pro ASP.NET MVC 5** - Adam Freeman 2014-02-28

The ASP.NET MVC 5 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET. ASP.NET MVC 5 contains a number of advances over previous versions, including the ability to define routes using C# attributes and the ability to override filters. The user experience of building MVC applications has also been substantially improved. The new, more tightly integrated, Visual Studio 2013 IDE has been created specifically with MVC application development in mind and provides a full suite of tools to improve development times and assist in reporting, debugging and deploying your code. The popular Bootstrap JavaScript library has also now been included natively within MVC 5 providing you, the developer, with a wider range of multi-platform CSS and HTML5 options than ever before without the penalty of having to load-in third party libraries.

The Professional ScrumMaster's Handbook - Stacia Viscardi 2013-04-19

Focusing on the ScrumMaster role and responsibilities, this book presents solutions and ideas for common problems, improving the overall methodology of a ScrumMaster's approach. The Professional ScrumMaster's Handbook is for anybody who wishes to be a true ScrumMaster as the role was originally intended - a fearless, professional, change facilitator. This book extends your working knowledge of Scrum to explore other avenues and ways of thinking to help teams and organizations reach their full potential.

**You Are Born to Blossom** - A.P.J. Abdul Kalam/ Arun Tiwari 2010-01-01

This book is an account of how Dr. Kalam visualizes Information and Communication Technology mining the rural talent. Here, Dr. Kalam presents his dream of schools in India at 2020 as symbiotic nerve centres connecting teachers, students and community; personifying knowledge that exists in the world. He also makes a clarion call to accelerate the process of societal transformation. This would involve raising the standards of governance and safeguarding the sanctity of public institutions. The book uses the metaphor of

a tree to describe the process of knowledge bearing fruits of prosperity in the contemporary globalized world where different phases, formative, adult working life, and post-50 experienced senior citizens, call for different kinds of learning. The book refers to a contextual contribution of a large number of Indian scientists and artists and proves that there is no age bar to blossom. He advocates creation of conditions that favour growth of diverse individual talents akin to a garden and calls for a scientific mind-set guided by conscience, consensus and by actions that take our social and moral values into account in building our own systems.

**Ruby Best Practices** - Gregory T Brown 2009-06-11

How do you write truly elegant code with Ruby? Ruby Best Practices is for programmers who want to use Ruby as experienced Rubyists do. Written by the developer of the Ruby project Prawn, this concise book explains how to design beautiful APIs and domain-specific languages with Ruby, as well as how to work with functional programming ideas and techniques that can simplify your code and make you more productive. You'll learn how to write code that's readable, expressive, and much more. Ruby Best Practices will help you: Understand the secret powers unlocked by Ruby's code blocks Learn how to bend Ruby code without breaking it, such as mixing in modules on the fly Discover the ins and outs of testing and debugging, and how to design for testability Learn to write faster code by keeping things simple Develop strategies for text processing and file management, including regular expressions Understand how and why things can go wrong Reduce cultural barriers by leveraging Ruby's multilingual capabilities This book also offers you comprehensive chapters on driving code through tests, designing APIs, and project maintenance. Learn how to make the most of this rich, beautiful language with Ruby Best Practices.

*SAP BusinessObjects Reporting Cookbook* - Yoav Yahav 2014-08-26

If you are a business analyst, BI developer, or an IT professional who wants to learn the A to Z of how to work with Web Intelligence reporting tools and different types of data, then this book is for you. The only thing you need is a basic understanding of what Business Intelligence is and data concepts.

**Professional ASP.NET MVC 4** - Jon Galloway 2012-09-17

An outstanding author team presents the ultimate Wrox guide to ASP.NET MVC 4 Microsoft insiders join giants of the software development community to offer this in-depth guide to ASP.NET MVC, an essential web development technology. Experienced .NET and ASP.NET developers will find all the important information they need to build dynamic, data-driven websites with ASP.NET and the newest release of Microsoft's Model-View-Controller technology. Featuring step-by-step guidance and lots of code samples, this guide gets you started and moves all the way to advanced topics, using plenty of examples. Designed to give experienced .NET and ASP.NET programmers everything needed to work with the newest version of MVC technology Expert author team includes Microsoft ASP.NET MVC insiders as well as leaders of the programming community Covers controllers, views, models, forms and HTML helpers, data annotation and validation, membership, authorization, security, and routing Includes essential topics such as Ajax and jQuery, NuGet, dependency injection, unit testing, extending MVC, and Razor Includes additional real-world coverage requested by readers of the previous edition as well as a new case study example chapter

**Qt for Symbian** - Frank H. P. Fitzek 2010-05-05

Build mobile applications for Nokia's S60 phones using the hot Qt GUI tool This vital primer—written by developers involved in the latest release of Qt—is a must for anyone wanting to learn this cutting-edge

programming environment. Qt is a multi-platform, C++ GUI toolkit that allows you to develop applications and user interfaces once, then deploy them across many desktop and embedded operating systems, without rewriting the source code. Now being applied to the S60 platform (Nokia's new, uniform UI), Qt promises to save development resources, cut costs, and get you to market faster. This unique guide helps you master this exciting tool with step-by-step instruction from some of the best developers in the S60 field. Find easy-to-access tips, techniques, examples, and much more. Walks you through installation of the Qt developer platform and SDK Explains the basic Qt environment and how it can save you development time Delves into the extension of Qt for the S60, including communication and sensors Provides plenty of examples to help you quickly grasp concepts Help revolutionize the S60 mobile market and stay ahead of the crowd with your own state-of-the-art applications, developed with Qt and the detailed information in this unique guide. *Crafting the InfoSec Playbook* - Jeff Bollinger 2015-05-07

Any good attacker will tell you that expensive security monitoring and prevention tools aren't enough to keep you secure. This practical book demonstrates a data-centric approach to distilling complex security monitoring, incident response, and threat analysis ideas into their most basic elements. You'll learn how to develop your own threat intelligence and incident detection strategy, rather than depend on security tools alone. Written by members of Cisco's Computer Security Incident Response Team, this book shows IT and information security professionals how to create an InfoSec playbook by developing strategy, technique, and architecture. Learn incident response fundamentals—and the importance of getting back to basics Understand threats you face and what you should be protecting Collect, mine, organize, and analyze as many relevant data sources as possible Build your own playbook of repeatable methods for security monitoring and response Learn how to put your plan into action and keep it running smoothly Select the right monitoring and detection tools for your environment Develop queries to help you sort through data and create valuable reports Know what actions to take during the incident response phase

**Embracing Microservices Design** - Ovais Mehboob Ahmed Khan 2021-10-29

Develop microservice-based enterprise applications with expert guidance to avoid failures and technological debt with the help of real-world examples Key Features Implement the right microservices adoption strategy to transition from monoliths to microservices Explore real-world use cases that explain anti-patterns and alternative practices in microservices development Discover proven recommendations for avoiding architectural mistakes when designing microservices Book Description Microservices have been widely adopted for designing distributed enterprise apps that are flexible, robust, and fine-grained into services that are independent of each other. There has been a paradigm shift where organizations are now either building new apps on microservices or transforming existing monolithic apps into microservices-based architecture. This book explores the importance of anti-patterns and the need to address flaws in them with alternative practices and patterns. You'll identify common mistakes caused by a lack of understanding when implementing microservices and cover topics such as organizational readiness to adopt microservices, domain-driven design, and resiliency and scalability of microservices. The book further demonstrates the anti-patterns involved in re-platforming brownfield apps and designing distributed data architecture. You'll also focus on how to avoid communication and deployment pitfalls and understand cross-cutting concerns such as logging, monitoring, and security. Finally, you'll explore testing pitfalls and establish a framework to address isolation, autonomy, and standardization. By the end of this book, you'll have understood critical mistakes to avoid while building microservices and the right practices to adopt early in the product life cycle to ensure the success of a microservices initiative. What you will learn Discover the responsibilities of different individuals involved in a microservices initiative Avoid the common mistakes in architecting microservices for scalability and resiliency Understand the importance of domain-driven design when developing microservices Identify the common pitfalls involved in migrating monolithic applications to microservices Explore communication strategies, along with their potential drawbacks and alternatives Discover the importance of adopting governance, security, and monitoring Understand the role of CI/CD and testing Who this book is for This practical microservices book is for software architects, solution architects, and developers involved in designing microservices architecture and its development, who want to gain insights into avoiding pitfalls and drawbacks in distributed applications, and save time and money that might otherwise get wasted if microservices designs

fail. Working knowledge of microservices is assumed to get the most out of this book.

**C# 7 and .NET Core 2.0 High Performance** - Ovais Mehboob Ahmed Khan 2018-04-25

Improve the speed of your code and optimize the performance of your apps Key Features Understand the common performance pitfalls and improve your application's performance Get to grips with multi-threaded and asynchronous programming in C# Develop highly performant applications on .NET Core using microservice architecture Book Description While writing an application, performance is paramount. Performance tuning for realworld applications often involves activities geared toward finding bottlenecks; however, this cannot solve the dreaded problem of slower code. If you want to improve the speed of your code and optimize an application's performance, then this book is for you. C# 7 and .NET Core 2.0 High Performance begins with an introduction to the new features of what?explaining how they help in improving an application's performance. Learn to identify the bottlenecks in writing programs and highlight common performance pitfalls, and learn strategies to detect and resolve these issues early. You will explore multithreading and asynchronous programming with .NET Core and learn the importance and efficient use of data structures. This is followed with memory management techniques and design guidelines to increase an application's performance. Gradually, the book will show you the importance of microservices architecture for building highly performant applications and implementing resiliency and security in .NET Core. After reading this book, you will learn how to structure and build scalable, optimized, and robust applications in C#7 and .NET. What you will learn Measure application performance using BenchmarkDotNet Explore the techniques to write multithreaded applications Leverage TPL and PLinq libraries to perform asynchronous operations Get familiar with data structures to write optimized code Understand design techniques to increase your application's performance Learn about memory management techniques in .NET Core Develop a containerized application based on microservices architecture Learn tools and techniques to monitor application performance Who this book is for This book is for .NET developers looking at improving the speed of their code or simply wanting to take their skills to the next level. Basic C# knowledge is assumed.

**Instant OpenCV Starter** - Jayneil Dalal 2013

Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. A practical, quick, and hands-on guide for Python developers and hobbyists who want to get started with computer vision with OpenCV. This book is great for developers, hobbyists, and students new to computer vision who are looking to get a good grounding in how to use the OpenCV library. It's assumed that you will have some basic experience in C/C++ programming.

**Learning Predictive Analytics with R** - Eric Mayor 2015-09-24

Get to grips with key data visualization and predictive analytic skills using R About This Book Acquire predictive analytic skills using various tools of R Make predictions about future events by discovering valuable information from data using R Comprehensible guidelines that focus on predictive model design with real-world data Who This Book Is For If you are a statistician, chief information officer, data scientist, ML engineer, ML practitioner, quantitative analyst, and student of machine learning, this is the book for you. You should have basic knowledge of the use of R. Readers without previous experience of programming in R will also be able to use the tools in the book. What You Will Learn Customize R by installing and loading new packages Explore the structure of data using clustering algorithms Turn unstructured text into ordered data, and acquire knowledge from the data Classify your observations using Naive Bayes, k-NN, and decision trees Reduce the dimensionality of your data using principal component analysis Discover association rules using Apriori Understand how statistical distributions can help retrieve information from data using correlations, linear regression, and multilevel regression Use PMML to deploy the models generated in R In Detail R is statistical software that is used for data analysis. There are two main types of learning from data: unsupervised learning, where the structure of data is extracted automatically; and supervised learning, where a labeled part of the data is used to learn the relationship or scores in a target attribute. As important information is often hidden in a lot of data, R helps to extract that information with its many standard and cutting-edge statistical functions. This book is packed with easy-to-follow guidelines that explain the workings of the many key data mining tools of R, which are used to discover knowledge from your data. You will learn how to perform key predictive analytics tasks using R,

such as train and test predictive models for classification and regression tasks, score new data sets and so on. All chapters will guide you in acquiring the skills in a practical way. Most chapters also include a theoretical introduction that will sharpen your understanding of the subject matter and invite you to go further. The book familiarizes you with the most common data mining tools of R, such as k-means, hierarchical regression, linear regression, association rules, principal component analysis, multilevel modeling, k-NN, Naive Bayes, decision trees, and text mining. It also provides a description of visualization techniques using the basic visualization tools of R as well as lattice for visualizing patterns in data organized in groups. This book is invaluable for anyone fascinated by the data mining opportunities offered by GNU R and its packages. Style and approach This is a practical book, which analyzes compelling data about life, health, and death with the help of tutorials. It offers you a useful way of interpreting the data that's specific to this book, but that can also be applied to any other data.

*Testing Python* - David Sale 2014

Fundamental testing methodologies applied to the popular Python language Testing Python; Applying Unit Testing, TDD, BDD and Acceptance Testing is the most comprehensive book available on testing for one of the top software programming languages in the world. Python is a natural choice for new and experienced developers, and this hands-on resource is a much needed guide to enterprise-level testing development methodologies. The book will show you why Unit Testing and TDD can lead to cleaner, more flexible programs. Unit Testing and Test-Driven Development (TDD) are increasingly must-have skill.

**Murach's C# 2015** - Anne Boehm 2016-02-06

This book gets you off to a fast start by showing you how to use Visual Studio 2015, C# 6.0, and the .NET 4.6 classes to develop Windows Forms applications. Next, it shows you the best techniques for developing object-oriented applications. Then, it shows you how to handle data a must in business development using data sources, ADO.NET code, and the Entity Framework for database data and LINQ for data structures like arrays and collections. Along the way, it gives you the core C# and Visual Studio skills that you need to develop any C# application whether for Windows, the web, or mobile devices. In short, No other core C# book teaches you so much, so fast, or so thoroughly.

[Programming ASP.NET MVC 4](#) - Jess Chadwick 2012-09-26

Provides information on using ASP.NET MVC 4 to build server-side Web applications.

**Bootstrap for ASP.NET MVC** - Pieter van der Westhuizen 2016-09-30

Combine the power of ASP.NET Core with Bootstrap 4 to build elegant, responsive web apps About This Book Updated for Bootstrap 4 and ASP.Net MVC 6, this book shows how to take advantage of the latest new features introduced in both of these industry-leading frameworks Build responsive, mobile-ready apps by combining the power of ASP.NET MVC with Bootstrap Grasp the intricacies of Bootstrap and how to use it with ASP.NET MVC Build your own tools and helpers to assist you in creating ASP.NET MVC Bootstrap sites easily and quickly Master the use of Bootstrap components and plugins with ASP.NET MVC Who This Book Is For If you are an ASP.NET MVC developer and would like to know how to incorporate Bootstrap into your projects, then this book is invaluable to you. Developers with entry-level experience of ASP.NET MVC development and limited experience with Bootstrap will also benefit from this book. What You Will Learn Create a new ASP.NET MVC project that uses Bootstrap for its styling and learn how to include external libraries using the new package managers Learn to use the various Bootstrap CSS and HTML elements, and how to use the new Bootstrap 4 grid layout system Explore the different input groups and implement alerts, progress bars, and badges Explore JavaScript components by illustrating and walking through the process of using JavaScript/jQuery to add interactivity to Twitter Bootstrap components Build your own ASP.NET MVC helpers and tag helpers to reduce the amount of HTML needed to generate Bootstrap elements Convert a Bootstrap HTML template into a usable ASP.NET MVC project Use the jQuery DataTables plugin with Bootstrap and ASP.NET MVC In Detail One of the leading open source frontend frameworks, Bootstrap has undergone a significant change and introduced several features that make designing compelling, next-generation UIs much simpler. Integrating Bootstrap with ASP.NET's powerful components can further enhance its capabilities. This book guides you through the process of creating an ASP.NET MVC website from scratch using Bootstrap. After a primer on the fundamentals of Bootstrap, you will learn your way around and create a new ASP.NET MVC project in Visual Studio. You

will move on to learn about the various Bootstrap components as well as techniques to include them in your own projects. The book includes practical examples to show you how to use open-source plugins with Bootstrap and ASP.NET MVC and guides you through building an ASP.NET MVC website using Bootstrap, utilizing layout and user-interface components. At the end of this book, you will find some valuable tips and tricks to help you get the most out of your Bootstrap-integrated and ASP.NET MVC-integrated website.

Style and approach This is a compact, step-by-step guide that focuses on combining the power of Bootstrap with ASP.Net MVC to build next-generation web apps. With clear instructions, this book will show how to build a complete ASP.Net MVC-integrated web app from scratch using Bootstrap. It will also cover several tricks for integrating Bootstrap and ASP.Net MVC, and getting the most out of both frameworks.

**Microsoft Visual Studio 2015 Unleashed** - Lars Powers 2015-08-07

Microsoft Visual Studio 2015 empowers you to write next-generation applications for any modern environment: mobile, web, cloud, universal Windows 10/8.x, database, and beyond. This end-to-end deep dive will help working developers squeeze maximum productivity out of Microsoft's powerful new toolset. The authors combine authoritative and detailed information about Microsoft's latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will quickly get comfortable with Visual Studio 2015's updated interface, master its new capabilities, leverage its extensive new support for open standards, and discover multiple opportunities to leverage its .NET 4.6 platform and language improvements. By focusing entirely on Visual Studio 2015 Professional, the authors go deeper into Microsoft's core product than ever before. You'll find expert coverage of everything from debugging through deploying to Azure, IDE extension and automation through cross-platform mobile development. Throughout, this book's focus is relentlessly practical: how to apply Microsoft's tools to build better software, faster. Detailed information on how to... Master Visual Studio 2015's updated interface and key tools: Solutions, Projects, Browsers, Explorers, Editors, and Designers to improve productivity Develop robust cross-platform mobile apps for Windows, iOS, and Android using Apache Cordova templates for Visual Studio Use the new ASP.NET 5 to build modern web solutions that run on Windows, Mac, or Linux Develop Single Page Applications (SPAs) based on HTML5 and rich client-side JavaScript frameworks such as Knockout, AngularJS, Bootstrap, and more Accelerate cloud development with the Azure SDK, QuickStart templates, and Azure management portal Create mobile service solutions using ASP.NET Web API and WCF Streamline data development across multiple platforms with Entity Framework 7 Develop modern Microsoft Office business applications Perform robust, automated unit testing as you code, increasing your confidence in changes and refactoring Extend the VS 2015 IDE and Code Editor by creating custom, productivity-enhancing solutions Download all examples and source code presented in this book from [informit.com/title/9780672337369](http://informit.com/title/9780672337369) as they become available.

**Learning Vaadin 7** - Nicolas Frankel 2013

This book begins with a tutorial on Vaadin 7, followed by a process of planning, analyzing, building, and deploying a fully functional RIA while covering troubleshooting details along the way, making it an invaluable resource for answers to all your Vaadin questions.If you are a Java developer with some experience in development either on JSP/Servlet or on Swing, and want to enter the world of rich Internet applications, then this technology and book is ideal for you. Learning Vaadin will be perfect as your next step towards building eye-catching, dynamic web applications on a Java-based platform.

**Hadoop Application Architectures** - Mark Grover 2015-06-30

Get expert guidance on architecting end-to-end data management solutions with Apache Hadoop. While many sources explain how to use various components in the Hadoop ecosystem, this practical book takes you through architectural considerations necessary to tie those components together into a complete tailored application, based on your particular use case. To reinforce those lessons, the book's second section provides detailed examples of architectures used in some of the most commonly found Hadoop applications. Whether you're designing a new Hadoop application, or planning to integrate Hadoop into your existing data infrastructure, Hadoop Application Architectures will skillfully guide you through the process. This book covers: Factors to consider when using Hadoop to store and model data Best practices for moving data in and out of the system Data processing frameworks, including MapReduce, Spark, and Hive Common Hadoop processing patterns, such as removing duplicate records and using windowing

analytics Giraph, GraphX, and other tools for large graph processing on Hadoop Using workflow orchestration and scheduling tools such as Apache Oozie Near-real-time stream processing with Apache Storm, Apache Spark Streaming, and Apache Flume Architecture examples for clickstream analysis, fraud detection, and data warehousing

#### **Cisco Next-Generation Security Solutions** - Omar Santos 2016-07-06

Network threats are emerging and changing faster than ever before. Cisco Next-Generation Network Security technologies give you all the visibility and control you need to anticipate and meet tomorrow's threats, wherever they appear. Now, three Cisco network security experts introduce these products and solutions, and offer expert guidance for planning, deploying, and operating them. The authors present authoritative coverage of Cisco ASA with FirePOWER Services; Cisco Firepower Threat Defense (FTD); Cisco Next-Generation IPS appliances; the Cisco Web Security Appliance (WSA) with integrated Advanced Malware Protection (AMP); Cisco Email Security Appliance (ESA) with integrated Advanced Malware Protection (AMP); Cisco AMP ThreatGrid Malware Analysis and Threat Intelligence, and the Cisco Firepower Management Center (FMC). You'll find everything you need to succeed: easy-to-follow configurations, application case studies, practical triage and troubleshooting methodologies, and much more. Effectively respond to changing threat landscapes and attack continuums Design Cisco ASA with FirePOWER Services and Cisco Firepower Threat Defense (FTD) solutions Set up, configure, and troubleshoot the Cisco ASA FirePOWER Services module and Cisco Firepower Threat Defense Walk through installing AMP Private Clouds Deploy Cisco AMP for Networks, and configure malware and file policies Implement AMP for Content Security, and configure File Reputation and File Analysis Services Master Cisco AMP for Endpoints, including custom detection, application control, and policy management Make the most of the AMP ThreatGrid dynamic malware analysis engine Manage Next-Generation Security Devices with the Firepower Management Center (FMC) Plan, implement, and configure Cisco Next-Generation IPS—including performance and redundancy Create Cisco Next-Generation IPS custom reports and analyses Quickly identify the root causes of security problems

#### **31 Days Before Your CCNA Routing & Switching Exam** - Allan Johnson 2017-03-16

31 Days Before Your CCNA Routing & Switching Exam offers a friendly, practical way to understand the CCNA Routing & Switching certification process, commit to taking the ICND1 (100-105) and ICND2 (200-105) exams or the CCNA (200-125) exam, and finish your preparation using a variety of Primary and Supplemental study resources. These fully updated CCNA exams test knowledge and skills needed to successfully deploy LAN switching, IPv4 and IPv6 routing, WANs, and infrastructure services; and to secure and manage modern network infrastructure. Sign up for your exam(s) and use this book's day-by-day guide and checklist to organize, prepare, and review. Each day in this guide breaks down an exam topic into a manageable bit of information to review using short summaries. Daily Study Resources sections provide quick references for locating more in-depth treatment within Primary and Supplemental resources. This book's features help you fit exam preparation into a busy schedule:

- Visual tear-card calendar summarizing each day's study topic
- Checklist providing advice on preparation activities leading up to the exam
- Descriptions of ICND1 (100-105), ICND2 (200-105), and CCNA (200-125) exam organization and sign-up processes
- Strategies to prepare mentally, organizationally, and physically for exam day
- Conversational tone to make study more enjoyable

#### **Once Upon an Algorithm** - Martin Erwig 2022-08-09

How Hansel and Gretel, Sherlock Holmes, the movie Groundhog Day, Harry Potter, and other familiar stories illustrate the concepts of computing. Picture a computer scientist, staring at a screen and clicking away frantically on a keyboard, hacking into a system, or perhaps developing an app. Now delete that picture. In *Once Upon an Algorithm*, Martin Erwig explains computation as something that takes place beyond electronic computers, and computer science as the study of systematic problem solving. Erwig points out that many daily activities involve problem solving. Getting up in the morning, for example: You get up, take a shower, get dressed, eat breakfast. This simple daily routine solves a recurring problem through a series of well-defined steps. In computer science, such a routine is called an algorithm. Erwig illustrates a series of concepts in computing with examples from daily life and familiar stories. Hansel and Gretel, for example, execute an algorithm to get home from the forest. The movie *Groundhog Day*

illustrates the problem of unsolvability; Sherlock Holmes manipulates data structures when solving a crime; the magic in Harry Potter's world is understood through types and abstraction; and Indiana Jones demonstrates the complexity of searching. Along the way, Erwig also discusses representations and different ways to organize data; "intractable" problems; language, syntax, and ambiguity; control structures, loops, and the halting problem; different forms of recursion; and rules for finding errors in algorithms. This engaging book explains computation accessibly and shows its relevance to daily life. Something to think about next time we execute the algorithm of getting up in the morning.

New Times - Tatiana Repkova 2001

#### **CCNA Routing and Switching Practice Tests** - Jon Buhagiar 2017-04-03

Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Preview exam day with 1500 questions tailored to the exam domains CCNA Routing and Switching Practice Tests is your ultimate tool for exam success and compliments the Sybex Deluxe Study Guides and Study Guides for the CCENT and CCNA. Whether you're taking the 200-15 Composite Exam or the two-part 100-105 and 200-105 exams, this book gives you the practice you need to study smarter. Seven completely unique 200-question practice tests cover the seven CCNA Routing and Switching objective domains, and two additional unique 50-question practice exams provide even more opportunity to find areas where further review is needed. These 1500 questions cover everything you'll see on the exam—network fundamentals; LAN switching technologies; routing technologies; WAN technologies; and infrastructure services, security, and management—so you can avoid any exam-day surprises. Fully aligned with the latest versions of the exams, this book helps you focus your study time and remove uncertainties so you can face the exam with confidence. The CCNA Routing and Switching exams test your working knowledge of IP data networks, addressing, routing, and services; network device security; troubleshooting, and more. These practice tests cover it all to help you discover what you already know, what you still need to learn, and what to expect on exam day. Get a preview of the types of questions you'll see on the exam Pinpoint areas in need of review Focus your study time for better results Gauge your readiness for any CCNA exam The CCNA exams cover a broad range of routing and switching topics, and the questions can get fairly in-depth. Practice makes perfect, and practice tests tailored to each of the seven exam domains provide an ideal opportunity to ensure your own top-notch performance. When you're ready to get serious about CCNA certification, CCNA Routing and Switching Practice Tests are your solution for ultimate exam-day confidence.

#### Ancestry Scrapbook - Royal Journals 2016-11-19

Use this Scrapbook Journal to document your family ancestry Keep everything in one place Don't lose those stories.

#### Amnesty International Report 2008 - Amnesty International 2008

This annual report documents human rights abuses by governments and armed opposition groups in 150 countries across the world. It provides an invaluable reference guide to international human rights developments.

#### *Programming 32-bit Microcontrollers in C* - Lucio Di Jasio 2011-04-08

\*Just months after the introduction of the new generation of 32-bit PIC microcontrollers, a Microchip insider and acclaimed author takes you by hand at the exploration of the PIC32 \*Includes handy checklists to help readers perform the most common programming and debugging tasks The new 32-bit microcontrollers bring the promise of more speed and more performance while offering an unprecedented level of compatibility with existing 8 and 16-bit PIC microcontrollers. In sixteen engaging chapters, using a parallel track to his previous title dedicated to 16-bit programming, the author puts all these claims to test while offering a gradual introduction to the development and debugging of embedded control applications

in C. Author Lucio Di Jasio, a PIC and embedded control expert, offers unique insight into the new 32-bit architecture while developing a number of projects of growing complexity. Experienced PIC users and newcomers to the field alike will benefit from the text's many thorough examples which demonstrate how to nimbly side-step common obstacles, solve real-world design problems efficiently and optimize code using the new PIC32 features and peripheral set. You will learn about: \*basic timing and I/O operation \*debugging methods with the MPLAB SIM \*simulator and ICD tools \*multitasking using the PIC32 interrupts \*all the new hardware peripherals \*how to control LCD displays \*experimenting with the Explorer16 board and \*the PIC32 Starter Kit \*accessing mass-storage media \*generating audio and video signals \*and more! TABLE OF CONTENTS Day 1 And the adventure begins Day 2 Walking in circles Day 3 Message in a Bottle Day 4 NUMB3RS Day 5 Interrupts Day 6 Memory Part 2 Experimenting Day 7 Running Day 8 Communication Day 9 Links Day 10 Glass = Bliss Day 11 It's an analog world Part 3 Expansion Day 12 Capturing User Inputs Day 13 UTube Day 14 Mass Storage Day 15 File I/O Day 16 Musica Maestro! 32-bit microcontrollers are becoming the technology of choice for high performance embedded control applications including portable media players, cell phones, and GPS receivers. Learn to use the C programming language for advanced embedded control designs and/or learn to migrate your applications from previous 8 and 16-bit architectures.

**Murach's ASP.NET 4.6 Web Programming with C# 2015** - Anne Boehm 2016-07

If you know the basics of C#, you're ready to learn to develop server-side web applications with ASP.NET Web Forms; and that's where this book comes in: Section 1 is a quick-start course in creating your first ASP.NET Web Forms applications using Visual Studio, with coverage of what HTML5/CSS3 and Bootstrap are doing on the client side; a course that works both for beginners and for experienced web developers who are new to ASP.NET Section 2 gives you the skills you need for every web application; like how to use the server controls, validate user entries, manage state, use master pages, make ASP.NET work with Bootstrap for responsive layouts, and use friendly URLs Section 3 presents the skills you need for developing database-driven web applications at a professional level; including how to use SQL data sources, object data sources, and model binding and the Entity Framework with ASP.NET data controls like GridView, DetailsView, FormView, and ListView Section 4 covers skills that enhance your professionalism; like how to develop secure web pages, authenticate users with ASP.NET Identity, send email, control the use of the Back button, and deploy finished applications Section 5 takes you to the next level by showing you how to use ASP.NET Ajax, how to develop WCF and Web API services, and how ASP.NET MVC programming differs from Web Forms programming To make it easier for you to master ASP.NET, you get complete web applications; including the web forms, the aspx code, and the C# code; that show you how each feature works in context. (You can download these for free from the Murach website.) You get chapter exercises that let you practice your new skills. And you get Murach's distinctive "paired-pages" format that developers like because it saves both training and reference time.

**Young Men and Fire** - Norman MacLean 2017-05-01

A devastating and lyrical work of nonfiction, *Young Men and Fire* describes the events of August 5, 1949, when a crew of fifteen of the US Forest Service's elite airborne firefighters, the Smokejumpers, stepped into the sky above a remote forest fire in the Montana wilderness. Two hours after their jump, all but three of the men were dead or mortally burned. Haunted by these deaths for forty years, Norman Maclean puts together the scattered pieces of the Mann Gulch tragedy in *Young Men and Fire*, which won the National Book Critics Circle Award. Alongside Maclean's now-canonical *A River Runs through It* and *Other Stories*, *Young Men and Fire* is recognized today as a classic of the American West. This twenty-fifth anniversary edition of Maclean's later triumph—the last book he would write—includes a powerful new foreword by Timothy Egan, author of *The Big Burn* and *The Worst Hard Time*. As moving and profound as when it was first published, *Young Men and Fire* honors the literary legacy of a man who gave voice to an essential corner of the American soul.

**31 Days Before Your CCNA Routing and Switching Exam** - Allan Johnson 2014

31 Days Before your CCNA Exam, Third Edition, offers a personable and practical way to understand the certification process, commit to taking the exam, and finish your preparation using a variety of Foundational and Supplemental study resources. The book breaks down key exam topics into 31 daily

review sessions using short summaries, lists, tables, examples, and graphics. A Study Resources section provides a quick reference for locating more in-depth treatment of a day's topics within the relevant Foundational and Supplemental resources. Use this day-by-day guide to organize, prepare, and review all the CCNA(R) objectives.

**Leadership for a Better World** - NCLP (National Clearinghouse for Leadership Programs) 2016-11-14

The essential guide to the theory and application of the Social Change Model Leadership for a Better World provides an approachable introduction to the Social Change Model of Leadership Development (SCM), giving students a real-world context through which to explore the seven C's of leadership for social change as well as a approaches to socially responsible leadership. From individual, group, and community values through the mechanisms of societal change itself, this book provides fundamental coverage of this increasingly vital topic. Action items, reflection, and discussion questions throughout encourage students to think about how these concepts apply in their own lives. The Facilitator's Guide includes a wealth of activities, assignments, discussions, and supplementary resources to enrich the learning experience whether in class or in the co-curriculum. This new second edition includes student self-assessment rubrics for each element of the model and new discussion on the critical roles of leadership self-efficacy, social perspective, and social justice perspectives. Content is enriched with research on how this approach to leadership is developed, and two new chapters situate the model in a broader understanding of leadership and in applications of the model. The Social Change Model is the most widely-used leadership model for college students, and has shaped college leadership curricula at schools throughout the U.S. and other countries including a translation in Chinese and Japanese. This book provides a comprehensive exploration of the model, with a practical, relevant approach to real-world issues. Explore the many facets of social change and leadership Navigate group dynamics surrounding controversy, collaboration, and purpose Discover the meaning of citizenship and your commitment to the greater good Become an agent of change through one of the many routes to a common goal The SCM is backed by 15 years of research, and continues to be informed by ongoing investigation into the interventions and environments that create positive leadership development outcomes. Leadership for a Better World provides a thorough, well-rounded tour of the Social Change Model, with guidance on application to real-world issues. Please note that *The Social Change Model: Facilitating Leadership Development* (978-1-119-24243-7) is intended to be used as a Facilitator's Guide to Leadership for a Better World, 2nd Edition in seminars, workshops, and college classrooms. You'll find that, while each book can be used on its own, the content in both is also designed for use together. A link to the home page of The Social Change Model can be found below under Related Titles.

**Practical Open Source Software for Libraries** - Nicole Engard 2010-09-22

Open source refers to an application whose source code is made available for use or modification as users see fit. This means libraries gain more flexibility and freedom than with software purchased with license restrictions. Both the open source community and the library world live by the same rules and principles. Practical Open Source Software for Libraries explains the facts and dispels myths about open source. Chapters introduce librarians to open source and what it means for libraries. The reader is provided with links to a toolbox full of freely available open source products to use in their libraries. Provides a toolbox of practical software that librarians can use both inside and out of the library Draws on the author's wide-ranging practical experience with open source software both in and out of the library community Includes real life examples from libraries and librarians of all types and locations

**Requirements Writing for System Engineering** - George Koelsch 2016-10-20

Learn how to create good requirements when designing hardware and software systems. While this book emphasizes writing traditional "shall" statements, it also provides guidance on use case design and creating user stories in support of agile methodologies. The book surveys modeling techniques and various tools that support requirements collection and analysis. You'll learn to manage requirements, including discussions of document types and digital approaches using spreadsheets, generic databases, and dedicated requirements tools. Good, clear examples are presented, many related to real-world work the author has done during his career. Requirements Writing for System Engineering advantages of different requirements approaches and implement them correctly as your needs evolve. Unlike most requirements books, Requirements Writing for

System Engineering teaches writing both hardware and software requirements because many projects include both areas. To exemplify this approach, two example projects are developed throughout the book, one focusing on hardware and the other on software. This book Presents many techniques for capturing requirements. Demonstrates gap analysis to find missing requirements. Shows how to address both software and hardware, as most projects involve both. Provides extensive examples of “shall” statements, user stories, and use cases. Explains how to supplement or replace traditional requirement statements with user stories and use cases that work well in agile development environments What You Will Learn Understand the 14 techniques for capturing all requirements. Address software and hardware needs; because most projects involve both. Ensure all statements meet the 16 attributes of a good requirement. Differentiate the 19 different functional types of requirement, and the 31 non-functional types. Write requirements properly based on extensive examples of good ‘shall’ statements, user stories, and use cases. Employ modeling techniques to mitigate the imprecision of words. Audience Writing Requirements teaches you to write requirements the correct way. It is targeted at the requirements engineer who wants to improve and master his craft. This is also an excellent book from which to teach requirements engineering at the university level. Government organizations at all levels, from Federal to local levels, can use this book to ensure they begin all development projects correctly. As well, contractor companies supporting government development are also excellent audiences for this book.

**Bootstrap 4 Quick Start** - Jacob Lett 2018-06-22

Want to improve the design of your website or web application without having to write CSS styles from scratch? Learning HTML and CSS is a lot more challenging than it used to be. Responsive web design adds more layers of complexity to design and develop websites. In this book you will become familiar with the new cards component, setting up the new flexbox grid layout, customizing the look and feel, how to follow the mobile-first development workflow, and more! Web designer and developer Jacob Lett has built 100+ websites and WordPress themes. Let him show you exactly how to build responsive layouts that look great in every browser and device. He shares what you can't learn from the official documentation... the process of actually building a full layout. This book is focused on the workflow and does not duplicate what you can already find in the official documentation. This book will show you how to reference the documentation and use it effectively in your projects. BONUS: Includes a link to download a free cheat sheets bundle and a 1 hour training video. Who is this for? You're an absolute beginner and want to become a web developer. You learned HTML and CSS 5-10 years ago but are new to responsive web design basics. You have used Bootstrap before but want to learn new techniques and workflow. What will I learn? Learn what responsive web design is, the history behind it, and how the Bootstrap 4 frontend framework makes it easier to implement. Learn the web design process and workflow necessary to make a responsive website and application with Bootstrap 4. Learn what's new in Bootstrap 4 with a deep focus on CSS3 Flexbox, Cards, and the responsive grid layout. What will I build? Responsive Marketing Homepage - Topics covered: responsive images, image cards, parallax background images, Google fonts, carousel cross-fade, and vertical centered text. Bootstrap Admin Dashboard - Topics covered: 100% height sidebar, card deck, FontAwesome icons, responsive charts and tables, and custom navigation tree menu. How is this training unique? Learn by doing as you build two professional responsive layouts examples step-by-step. Focused on the workflow vs duplicating what you can find in the official documentation. This book will show you how to reference the documentation and use it effectively in your projects. Uses hyperlinks to point to code demos, snippets, videos, and external resources. What do I need? Some experience with HTML and CSS is helpful but not necessary. Does not require knowing Sass, command line, or Photoshop. A computer with Google Chrome. A text editor like Atom and an internet connection. You want to build a beautiful website or user interface that works on all major browsers. Let Jacob show you how step by step. If you like detailed step by step guides, plenty of examples, and printable cheat sheets, then you'll love Jacob Lett's approach at how he creates responsive layouts using Bootstrap 4. Buy the Bootstrap 4 Quick Start today and start building responsive layouts in less time and with less effort!

**Mining the Social Web** - Matthew A. Russell 2018-12-04

Mine the rich data tucked away in popular social websites such as Twitter, Facebook, LinkedIn, and Instagram. With the third edition of this popular guide, data scientists, analysts, and programmers will

learn how to glean insights from social media—including who's connecting with whom, what they're talking about, and where they're located—using Python code examples, Jupyter notebooks, or Docker containers. In part one, each standalone chapter focuses on one aspect of the social landscape, including each of the major social sites, as well as web pages, blogs and feeds, mailboxes, GitHub, and a newly added chapter covering Instagram. Part two provides a cookbook with two dozen bite-size recipes for solving particular issues with Twitter. Get a straightforward synopsis of the social web landscape Use Docker to easily run each chapter's example code, packaged as a Jupyter notebook Adapt and contribute to the code's open source GitHub repository Learn how to employ best-in-class Python 3 tools to slice and dice the data you collect Apply advanced mining techniques such as TFIDF, cosine similarity, collocation analysis, clique detection, and image recognition Build beautiful data visualizations with Python and JavaScript toolkits **Pro ASP.NET MVC 4** - Adam Freeman 2013-01-29

The ASP.NET MVC 4 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET. ASP.NET MVC 4 contains a number of significant advances over previous versions. New mobile and desktop templates (employing adaptive rendering) are included together with support for jQuery Mobile for the first time. New display modes allow your application to select views based on the browser that's making the request while Code Generation Recipes for Visual Studio help you auto-generate project-specific code for a wide variety of situations including NuGet support. In this fourth edition, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with the latest C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice. The book's authors, Steve Sanderson and Adam Freeman, have both watched the growth of ASP.NET MVC since its first release. Steve is a well-known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools team. Adam started designing and building web applications 15 years ago and has been responsible for some of the world's largest and most ambitious projects. You can be sure you are in safe hands.

**Murach's ASP.NET Core MVC** - Joel Murach 2020-01-07

If you know the basics of C# and HTML/CSS, you're ready to learn how to build ASP.NET Core MVC web apps the way the professionals do. This book covers all the essentials: the MVC pattern, Bootstrap for responsive design, routing, Razor views, model binding, data validation, EF (Entity Framework) Core for database handling, dependency injection, xUnit and Moq for unit testing, Identity for authentication, and more. It gets you going right away with a subset of basic skills, then builds on those skills so you'll soon be developing real-world web apps. Along the way, you get dozens of practical coding examples that help you apply what you've just learned and show how all the parts work together. And when you're done, this book does double duty as the best on-the-job reference that money can buy.

**All Things Fun and Fascinating** - Lori Verstegen 2009

All Things Fun & Fascinating is the perfect tool to help teachers and parents of 3rd-5th graders teach writing with a clear, simple, step-by-step method using subjects that will fascinate young students. The lessons are meant to be a resource for teachers already familiar with Teaching Writing: Structure and Style.

**JavaScript for .NET Developers** - Ovais Mehboob Ahmed Khan 2016-07-29

Unlock the potential of evergreen browsers and increase the efficiency of your ASP.NET applications by learning how to write JavaScript About This Book Boost your skillset and start bringing JavaScript into your web development projects Leverage your existing ASP.NET knowledge to develop dynamic and responsive SPAs Learn effective design patterns for sustainable, and scalable web development Who This Book Is For This book is for ASP.NET developers that want to bring JavaScript into their skillset to build applications that are truly dynamic and responsive. It's for developers who are focused on developing for users who want to deliver a great end product and a fantastic experience. What You Will Learn Get to grips with the basic to advanced concepts of JavaScript Learn how to use JavaScript on server side using Node.js Develop

web applications in ASP.NET using JavaScript Get to know with industry-wide best practices and design patterns that provide maintainability and scalability Build an ASP.NET application using Angular 2 with TypeScript and Web API Explore WinJS and see how to use mobile capabilities from web applications Use JavaScript to develop scalable ASP.NET applications See how to test and debug JavaScript In Detail If you want to improve responsiveness or the UX in your ASP.NET applications, JavaScript can be a life saver. In an age where server-side operations have shifted to the client, being able to handle JavaScript with confidence and fluency is vital for ASP.NET developers. There's no point trying to fight it, so start learning with this book. Make sure your projects exceed user expectations. Begin by getting stuck into the basics of

JavaScript, and explore the language in the context of ASP.NET Core. You'll then find out how to put the principles into practice, as you learn how to develop a basic ASP.NET application using Angular 2 and TypeScript. You'll also develop essential skills required to develop responsive apps, with a little help from AJAX, ensuring that you're building projects that can be easily accessed across different devices. With guidance on Node.js and some neat techniques to test and debug a range of JavaScript libraries in Visual Studio, you'll soon be well on your way to combining JavaScript with ASP.NET in a way that's capable of meeting the challenges of modern web development head-on. Style and approach This book will build the skillset of every .NET developer, so they can build stronger and more responsive web apps with confidence.