Sitecore Item Web Api 1 0 0 Developers Guide

JavaScript is at the heart of almost every modern Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to: – Understand the essential elements of programming: syntax, control, and data – Use object-oriented and functional programming techniques to organize and clarify your programs – Script the browser and make basic Web applications – Work with tools like regular expressions and XMLHttpRequest objects And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web.

Looking to select a web content management system (CMS), but confused about the promises, terminology, and buzzwords? Do you want to understand content management without having to dive into the underlying programming? This book provides a clear, unbiased overview of the entire CMS ecosystem—from platforms to implementations—in a language- and platform-agnostic manner for project managers, executives, and new developers alike. Author Deane Barker, a CMS consultant with almost two decades of experience, helps you explore many different systems, technologies, and platforms. By the end of the book, you'll have the knowledge necessary to make decisions about features, architectures, and implementation methods to ensure that your project solves the right problems. Learn what content is, how to compare different systems, and what the roles of a CMS team are Understand how a modern CMS models and aggregates content, coordinates workflow, and manages assets Explore the scope and structure of a CMS implementation project Learn the process and best practices for successfully running your CMS implementation Examine the practice of migrating web content, and learn how to work with an external CMS integrator

The Predictive Retailer is a retail company that utilizes the latest technological developments to deliver an exceptional personalized experience to each and every customer. Today, technology such as AI, Machine Learning, Augmented Reality, IoT, Real-time stream processing, social media, and wearables are altering the Customer Experience (CX) landscape and retailers need to jump aboard this fast moving technology or run the risk of being left out in the cold. The Predictive Retailer reveals how these and other technologies can help shape the customer journey. The book details how the five types of analytics-descriptive, diagnostic, predictive, prescriptive, and edge analytics-affect not only the customer journey, but also just about every operating function of the retailer. An IoT connected retailer can make its operations smart. Connected devices can help with inventory optimization, supply chain management, labor management, waste management, as well as keep the retailer's data centers green and its energy use smart. Social media is no longer a vanity platform, but rather it is a place to both connect with current customers as well as court new ones. It is also a powerful branding channel that can be utilized to both understand a retailer's position in the market, as well as a place to benchmark its position against its competitors. Today, technology moves at break-neck speed and it can offer the potential of anticipatory capabilities, but it also comes with a confusing variety of technological terms--Big Data, Cognitive Computing, CX, Data Lakes, Hadoop, Kafka, Personalization, Spark, etc., etc. The Predictive Retailer will help make sense of it all, so that a retail executive can cut through the confusing technological jargon and understand why a Spark-based real-time stream processing data stream might be preferable to a TIBCO Streambase one, or an IBM Streaming Analytics one. This book will help retail executives break through the technological clutter so that they can deliver an unrivaled customer experience to each and every patron that comes through their doors.

A global exploration of coal geology, from production and use to chemical properties and coal petrology Coal Geology, 3rd Edition, offers a revised and updated edition of this popular book which provides a comprehensive overview of the field of coal geology including coal geophysics, hydrogeology and mining. Also covered in this volume are fully revised coverage of resource and reserve definitions, equipment and recording techniques together with the use of coal as an alternative energy source as well as environmental implications. This third edition provides a textbook ideally suited to anyone studying, researching or working in the field of coal geology, geotechnical engineering and environmental science. Fills the gap between academic aspects of coal geology and the practical role of geology in the coal industry Examines sedimentological and stratigraphical geology, together with mining, geophysics, hydrogeology, environmental issues and coal marketing Defines global coal resource classifications and methods of calculation Addresses the alternative uses of coal as a source of energy Covers a global approach to coal producers and consumers

Textbook of Assisted Reproductive Techniques Fourth Edition
Professional Sitecore Development
C# 9 and .NET 5 – Modern Cross-Platform Development
Value Beyond Cost Savings: How to Underwrite Sustainable Properties
Improving the Design of Existing Code
Sitecore Cookbook for Developers
Best Practices for Django 1.8

Written by one of the leading experts in content managementsystems (CMS), this newly revised bestseller guides readers throughthe confusing-and often intimidating-task of building,implementing, running, and managing a CMS Updated to cover recent developments in online deliverysystems, as well as XML and related technologies Reflects valuable input from CMS users who attended theauthor's workshops, conferences, and courses An essential reference showing anyone involved in informationdelivery systems how to plan and implement a system that can handlelarge amounts of information and help achieve an organization'soverall goals

Around the world, access to justice enjoys an energetic and passionate resurgence as an object both of scholarly inquiry and political contest, as both a social movement and a value commitment motivating study and action. This work evidences a deeper engagement with social theory than past generations of scholarship.

Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world. Git has come a long way since it was first developed by Linus Torvalds for Linux kernel development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you'll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and Ben Straub, Pro Git (Second Edition) builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter on GitHub. It's the best book for all your Git needs.

Structure templates and content within Sitecore, work with integrated tools, and leverage its extensive automation capabilities. Sitecore was recently recognized as one of the most reputable and reliable, enterprise-class web content management solutions (WCMS) available in the marketplace. Thousands of companies are using Sitecore to manage their digital experiences online. Because Sitecore is such a large, complex platform, developers often have a hard time coming up to speed, even after completing a Sitecore training course for developers. However, leveraging the design patterns and other practices laid out in this book will make that transition much easier. Professional Sitecore 8 Development provides a soup-to-nuts approach for a Sitecore rookie to come up to speed quickly, as well as provide more advanced techniques for seasoned veterans that they may not be exposed to otherwise. Key coverage areas include: Getting started with Sitecore development Front-end development techniques Incorporating design patterns into your Sitecore solutions Unit testing Sitecore applications Programming Sitecore's marketing capabilities Sitecore automation with PowerShell Advanced development techniques What you'll learn Develop solutions on the Sitecore platform Come up to speed on Sitecore without going through a training class Build front-end (HTML, CSS, Angular, etc.) solutions as well as back-end (C#) solutions on Sitecore Incorporate design patterns into your Sitecore solutions Make use of advanced Sitecore development techniques Who This Book Is For The book is a developer's companion, both front end and back end developers. The target audience is both developers who have zero Sitecore experience, as well as seasoned veterans looking for advanced best practices. A secondary audience would be Sitecore administrators who would benefit from discussions around performance tuning and security.

Two Scoops of Django

The Economy

Proven recipes to accelerate your DevOps journey with Azure DevOps Server 2019 (formerly TFS), 2nd Edition

Building Beautiful UI With Jetpack Compose

Web Content Management

The DevOps Handbook

Volume 3

Over 70 recipes to effectively apply DevOps best practices and implement Agile, Git, CI-CD & Test automation using Azure DevOps Server (TFS) 2019 Key FeaturesLearn improving code quality using pull requests, branch policies, githooks and git branching designAccelerate the deployment of high quality software by automating build and releases using CI-CD Pipelines.Learn tried and tested techniques to automate database deployments, App Service & Function Deployments in Azure.Book Description Azure DevOps Server, previously known as Team Foundation Server (TFS), is a comprehensive on-premise DevOps toolset with a rich ecosystem of open source plugins. This book is your one stop guide to learn how to effectively use all of these Azure DevOps services to go from zero to DevOps. You will start by building high-quality scalable software targeting .NET, .NET core or Node.js applications. You will learn techniques that will help you to set up end-to-end traceability of your code changes from design through to release. Whether you are deploying software on-premise or in the cloud in App Service, Functions, or Azure VMs, this book will help you learn release management techniques to reduce release failures. Next, you will be able to secure application configuration by using Azure KeyVault. You will also learn how to create and release extensions to the Azure DevOps marketplace and reach million developer ecosystem for feedback. The working extension samples will allow you to iterate changes in your extensions easily and release updates to the marketplace quickly. By the end of this book, techniques provided in the book will help you break down the invisible silos between your software development teams. This will transform you from being a good software development team to an elite modern cross functional software development team. What you will learnSet up a team project for an Agile delivery team, importing requirements from ExcelPlan,track, and monitor progress using self updating boards, Sprint and Kanban boardsUnlock the features of Git by using branch policies, Git pull requests, forks, and Git hooksBuild and release .NET core, SQL and Node.js applications using Azure PipelineAutomate testing by integrating Microsoft and open source testing frameworksExtend Azure DevOps Server to a million developer ecosystemWho this book is for This book is for anyone looking to succeed with DevOps. The techniques in this book apply to all roles of the software development lifecycle including developers, testers, architects, configuration analysts, site reliability engineers and release managers. If you are a new user you'll learn how to get started; if you are an experienced user you'll learn how to launch your project into a modern and mature DevOps enabled software development team.

Build complex, observable, and fault-tolerant serverless systems easily on Microsoft Azure. Key Features Use serverless systems to help you fulfill complex requirements Develop your knowledge of Azure Microsoft Serverless Understand concepts with a hands-on approach and helpful examples Book Description Advanced Serverless Architectures with Microsoft Azure redefines your experience of designing serverless systems. It shows you how to tackle challenges of varying levels, not just the straightforward ones. You'll be learning how to deliver features quickly by building systems, which retain the scalability and benefits of serverless. You'll begin your journey by

learning how to build a simple, completely serverless application. Then, you'll build a highly scalable solution using a queue, load messages onto the queue, and read them asynchronously. To boost your knowledge further, the book also features durable functions and ways to use them to solve errors in a complex system. You'll then learn about security by building a security solution from serverless components. Next, you'll gain an understanding of observability and ways to leverage application insights to bring you performance benefits. As you approach the concluding chapters, you'll explore chaos engineering and the benefits of resilience, by actively switching off a few of the functions within a complex system, submitting a request, and observing the resulting behavior. By the end of this book, you will have developed the skills you need to build and maintain increasingly complex systems that match evolving platform requirements. What you will learn Understand what true serverless architecture is Study how to extend and scale architectures until they become 'complex' Implement durable functions in your design Improve the observability of your serverless architecture Implement security solutions using serverless services Learn how to 'practise' chaos engineering in production Who this book is for Advanced Serverless Architectures with Microsoft Azure is is ideal if you want to build serverless systems with fewer outages and high performance using Azure. Familiarity with the C# syntax and Azure Functions and ARM templates will help you to benefit more from this book. Prior knowledge of basic front-end development, HTML JS, and CSS is beneficial but not essential. Some DevOps knowledge is also beneficial but not essential.

What would happen if the frozen Arctic completely melted? Certain plants and animals rely on the dry and cold tundra environments. The tundra biome includes both the flat regions of the Arctic and the alpine heights of the mountains. This biome holds a source of food and a climate suitable for the plants and animals that live there. Learn about the geography and resources of the tundra biome as well as how animals and people have adapted to and impacted tundra environments. Explore this biome's future and what people can do to help keep it safe.

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.

Eloquent JavaScript

Volume 1: Laboratory Perspectives

Systems, Features, and Best Practices

Build intelligent apps, websites, and services with Blazor, ASP.NET Core, and Entity Framework Core using Visual Studio Code

The Predictive Retailer

Economics for a Changing World

Understanding Hacks, Attacks, and Vulnerabilities to Secure Your Website

Publisher's Note: Microsoft will stop supporting .NET 5 in early May 2022. A new edition of this book is available that uses .NET 6 (an LTS release with support up until November 2024), C# 10, and Visual Studio 2022, as well as Visual Studio Code. Key Features ▯ Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor ▯ Strengthen your command of ASP.NET Core 5.0 and create professional websites and services ▯ Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description In C# 9 and .NET 5 ▯ Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file system, async streams, serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C# language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn ▯ Build your own types with object-oriented programming ▯ Query and manipulate data using LINQ ▯ Build websites and services using ASP.NET Core 5 ▯ Create intelligent apps using machine learning ▯ Use Entity Framework Core and work with relational databases ▯ Discover Windows app development using the Universal Windows Platform and XAML ▯ Build rich web experiences using the Blazor framework ▯ Build mobile applications for iOS and Android using Xamarin.Forms Who this book is for This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn▯t expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book. Table of Contents ▯ Hello, C#! Welcome, .NET Core! ▯ Speaking C# ▯ Controlling Flow and Converting Types ▯ Writing, Debugging, and Testing Functions ▯ Building Your Own Types with Object-Oriented Programming ▯ Implementing Interfaces and Inheriting Classes ▯ Understanding and Packaging .NET Types ▯ Working with Common .NET Types ▯ Working with Files, Streams, and Serialization (N.B. Please use the Look Inside option to see further chapters) Review "Mark Price's extraordinary book covers every aspect of C# 9 and .NET 5. It is filled with step-by-step demonstrations and will be of tremendous value both to those who want to learn C# and to more experienced C# programmers making the transition to C# 9. Highly recommended!" -- Jesse Liberty - author of Programming C# and Learning C# (O'Reilly Media)

Professional Sitecore Development offers comprehensive information for programmers learning the CMS and experienced Sitecore developers alike. This guidance can help your organization minimize implementation cost and time to web, increasing revenue while decreasing IT costs. With this book, you will learn how to implement solutions with Sitecore, how the Sitecore architecture enhances the ASP.NET development process, how to use Sitecore▯s extensive Application Programming Interfaces, and how to deploy the website. Professional Sitecore Development provides coverage on a range of topics including: ▯ Installing and configuring Sitecore ▯ Implementing an information architecture and transforming content into web pages ▯ Using the Sitecore security infrastructure, managing errors, and testing automatically ▯ Managing Sitecore projects, optimizing performance, and scaling Sitecore solutions ▯ Tips, tricks, and best practices for working with the CMS ▯ Extending Sitecore and integrating external systems, including coverage of configuration, events, pipelines, and Sitecore▯s user interface technology If you're looking for a solution for web content management, then Sitecore is your answer and this book will get you started using this valuable software today.

"Two scoops of Django introduces you to various tips, tricks, patterns, code snippets, and techniques . . ."--Page 4 of cover.

& All Windows programmers developing applications that deal with graphics, monitors, or printers need to use GDI+. & & There is little documentation available on GDI+. There are only two books on the market, and they are both introductory. & & The author uses real world examples and extensive sample code.

Telecommunications Strategic Plan
Graphics Programming with GDI+
Content Management Bible
Access to Justice
Web Development with Blazor
Professional Sitecore 8 Development
A Modern Introduction to Programming

The only introductory economics text to equip students to address today's pressing problems by mastering the conceptual and quantitative tools of contemporary economics. OUP has partnered with the international collaborative project of CORE researchers and teachers to bring students a book andlearning system that complements and enhances CORE's open-access online e-book.The Economy is a new approach that integrates recent developments in economics including contract theory, strategic interaction, behavioural economics and financial instability. It challenges students to address inequality, climate change, economic instability, wealth creation and innovation andother problems. It has been adopted as the standard principles course at University College London, Sciences Po Paris and the Toulouse School of Economics.A new economics for the principles course The Economy begins with social interactions using elementary game theory and institutions modelled as rules of the game. This provides the basis for a modern treatment of markets including price-making as well as price-taking, the exercise of power, and the importance of social norms and adjustmentto disequilibria. Introducing labour and credit markets with incomplete contracts allows a consistent treatment of aggregate employment and fluctuations without the need for ad hoc sticky price and wage assumptions. Banks create money by extending credit and a central bank seeks to implement a target inflation rate. Growth and instability are illustrated from the Great Depression, through the post-war golden age of capitalism through to the financial crisis and ensuing uncertainties. Students acquire an understanding of the past and current evolution of the economy in its social and environmental context,equipping them to marshal evidence and articulate positions about contemporary policy issues.

Sitecore was recently recognized as one of the most reputable/reliable web content management solutions (WCMS) in the marketplace. Thousands of companies use Sitecore to help manage their web and mobile digital properties. Sitecore is a very large, complex platform that performs many robust functions and capabilities. As such, marketers and end users often have a hard time coming up to speed on the technology. Practical Sitecore 8 Configuration and Strategy: A User Guide for Sitecore's Content and Marketing Capabilities provides that opportunity. The flow of the book will take newbies step-by-step on how to configure Sitecore content, personalization, and marketing automation capabilities. Sprinkled in through the book will be callouts that highlight strategies and best practices—taking the book beyond just the "how to" step-by-step procedures that can be found elsewhere. Practical Sitecore 8 Configuration and Strategy: Brings you up to speed on Sitecore without requiring a training class. Provides the information in a clear, logical outline that takes users from simple, foundational concepts to more advanced concepts at the end. Rounds out existing sources of documentation with strategies and best practices from real-world experience. What You'll Learn How to manage content in Sitecore How to create web forms and landing pages How to optimize the site through personalization and A/B/N testing How to use Sitecore for your marketing campaigns How to leverage analytics for custom measurement/engagement strategies How to create a robust governance plan for your Sitecore properties Who This Book Is For The key target audience for this book are content administrators (content authoring, forms development, etc.) and digital marketers (campaigns, analytics, marketing automation, experience optimization, etc.) using the Sitecore platform.

Develop modern web UIs quickly with server-side Blazor and Blazor WebAssembly Key FeaturesCreate and deploy a production-ready Blazor application from start to finishLearn Blazor fundamentals, gain actionable insights, and discover best practicesFind out how, when, and why to use server-side Blazor and Blazor WebAssemblyBook Description Blazor is an essential tool if you want to build interactive web apps without JS, but it comes with its own learning curve. Web Development with Blazor will help you overcome most common challenges developers face when getting started with Blazor and teach you the best coding practices. You'll start by learning how to leverage the power of Blazor and explore the full capabilities of both Blazor Server and Blazor WebAssembly. Then you'll move on to the practical part, which is centred around a sample project – a blog engine. This is where you'll apply all your newfound knowledge about creating Blazor Server and Blazor WebAssembly projects, the inner working of Razor syntax, and validating forms, as well as creating your own components. You'll learn all the key concepts involved in web development with Blazor, which you'll also be able to put into practice straight away. By showing you how all the components work together practically, this book will help you avoid some of the common roadblocks that novice Blazor developers face and inspire you to start experimenting with Blazor on your other projects. When you reach the end of this Blazor book, you'll have gained the confidence you need to create and deploy production-ready Blazor applications. What you will learnUnderstand the different technologies that

can be used with Blazor, such as Blazor Server and Blazor WebAssemblyFind out how to build simple and advanced Blazor componentsExplore the differences between Blazor Server and Blazor WebAssembly projectsDiscover how Entity Framework works and build a simple APIGet up to speed with components and find out how to create basic and advanced componentsExplore existing JavaScript libraries in BlazorUse techniques to debug your Blazor Server and Blazor WebAssembly applicationsTest Blazor components using bUnitWho this book is for If you're a .NET web or software developer who wants to build web UIs using C#, then this book is for you. You'll need intermediate-level web-development skills and basic knowledge of C# before you get started; the book will guide you through the rest.

This IBM® Redbooks® publication can help you develop content and process management applications with IBM FileNet® APIs. The IBM FileNet P8 suite of products contains a set of robust APIs that range from core platform APIs to supporting application APIs. This book focuses specifically on Content Engine and Process Engine APIs. Content Engine API topics that we discuss include creating, retrieving, updating, and deleting objects; querying and viewing documents; and batching and batch execution. We also explore more complex topics, including permissions and authorization, versioning, relationships, annotations, workflow subscriptions and event actions, metadata discovery, and dynamic security inheritance. Process Engine API topics that we discuss include launching a workflow, searching for and processing work items, and working with process status. The more complex topics we cover include, Component Integrator application space, role, workbasket, resource navigation in Process Engine REST API, ECM Widgets, and building a custom Get Next In-basket widget. To help you better understand programming with IBM FileNet APIs, we provide a sample application implemented for a fictional company. We include the data model, security model, workflows, and various applications developed for the sample. You can download them for your reference. This book is intended for IBM FileNet P8 application developers. We recommend using this book in conjunction with the online ECM help.

Refactoring
Detailed Solutions in Eight Programming Languages
A hands-on guide for .NET developers to build interactive UIs with C#
Clean Architecture
Developing Applications with IBM FileNet P8 APIs
Tundra Biomes Around the World
The Little Book of Sitecore(R) Tips

This new 7th edition of Pro C# 6.0 and the .NET 4.6 Platform has been completely revised and rewritten to reflect the latest changes to the C# language specification and new advances in the .NET Framework. You'll find new chapters covering all the important new features that make .NET 4.6 the most comprehensive release yet, including: A Refined ADO.NET Entity Framework Programming Model Numerous IDE and MVVM Enhancements for WPF Desktop Development Numerous updates to the ASP.NET Web APIs This comes on top of award winning coverage of core C# features, both old and new, that have made the previous editions of this book so popular. Readers will gain a solid foundation of object-oriented development techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). The mission of this book is to provide you with a comprehensive foundation in the C# programming language and the core aspects of the .NET platform plus overviews of technologies built on top of C# and .NET (ADO.NET and Entity Framework, Windows Communication Foundation (WCF), Windows Presentation Foundation (WPF), ASP.NET (WebForms, MVC, WebAPI).). Once you digest the information presented in these chapters, you'll be in a perfect position to apply this knowledge to your specific programming assignments, and you'll be well equipped to explore the .NET universe on your own terms. What You Will Learn: Be the first to understand the .NET 4.6 platform and C# 6. Discover the ins and outs of the leading .NET technology. Learn from an award-winning author who has been teaching the .NET world since version 1.0. Find complete coverage of XAML, .NET 4.6 and Visual Studio 2015 together with discussion of the new Windows Runtime.

Over 50 recipes to help you build applications hosted on Serverless architecture using Azure Functions. About This Book Enhance Azure Functions with continuous deployment using Visual Studio Team Services Learn to deploy and manage cost-effective and highly available serverless applications using Azure Functions This recipe-based guide will teach you to build a robust serverless environment Who This Book Is For If you are a Cloud administrator, architect, or developer who wants to build scalable systems and deploy serverless applications with Azure functions, then this book is for you. Prior knowledge and hands-on experience with core services of Microsoft Azure is required. What You Will Learn Develop different event-based handlers supported by serverless architecture supported by Microsoft Cloud Platform – Azure Integrate Azure Functions with different Azure Services to develop Enterprise-level applications Get to know the best practices in organizing and refactoring the code within the Azure functions Test, troubleshoot, and monitor the Azure functions to deliver high-quality, reliable, and robust cloud-centric applications Automate mundane tasks at various levels right from development to deployment and maintenance Learn how to develop statefulserverless applications and also self-healing jobs using DurableFunctions In Detail Microsoft provides a solution to easily run small segment of code in the Cloud with Azure Functions. Azure Functions provides solutions for processing data, integrating systems, and building simple APIs and microservices. The book starts with intermediate-level recipes on serverless computing along with some use cases on benefits and key features of Azure Functions. Then, we'll deep dive into the core aspects of Azure Functions such as the services it provides, how you can develop and write Azure functions, and how to monitor and troubleshoot them. Moving on, you'll get

practical recipes on integrating DevOps with Azure functions, and providing continuous integration and continous deployment with Visual Studio Team Services. It also provides hands-on steps and tutorials based on real-world serverless use cases, to guide you through configuring and setting up your serverless environments with ease. Finally, you'll see how to manage Azure functions, providing enterprise-level security and compliance to your serverless code architecture. By the end of this book, you will have all the skills required to work with serverless code architecture, providing continuous delivery to your users. Style and approach This recipe-based guide explains the different features of Azure Function by taking a real-world application related to a specific domain. You will learn how to implement automation and DevOps and discover industry best practices to develop applications hosted on serverless architecture using Azure functions.

Build Beautiful Apps With Jetpack ComposeJetpack Compose is hyping up everyone in the Android UI toolkit world. This completely new and modern solution to building declarative user interfaces provides more opportunity than ever to create beautiful, reactive and animated apps.However, because of its early-in-development status, Jetpack Compose is missing one of the most important pieces of successful software: detailed documentation. That's why we've prepared a whole book's worth of documentation for you!Jetpack Compose By Tutorials is here to help, by showing you exactly how Compose works, what its fundamental components are and how you can use them to build complex real-world apps!Who this book is forThis book is for all Android developers who have experience with the legacy UI Toolkit through XML and View components, but who are looking for a fresh, reusable, clean and easy-to-use solution to reduce their boilerplate code while building stunning user interfaces.Topics covered in Jetpack Compose by TutorialsFundamentals: Core Jetpack Compose elements and functionsCombining components: Mixing different layouts and building beautiful interfacesState Management: State wrappers, LiveData observables and UI recompositionUI Styling: Modifiers for size, shape, colors, background, padding and alignmentUser Interaction: Different click, touch and scroll listeners and their handlersAnimations: State changes, value animations and complex transitionsOne thing you can count on: After reading this book, you'll be prepared to tackle any design specification and build it in your Android apps using Jetpack Compose. You'll make your apps really stand out by adding different modifiers and Material Design components, as well as animations.

In Volume 2 I stated sequels are never as good, that means by this point you must be a sucker for punishment. As ever, here we have yet another light-hearted look at some useful Sitecore tips. With a marriage, a birth, a skiing accident, and a global pandemic all taking place since Volume 2, there has been quite a delay in Volume 3 entering the world - meaning this book only takes us up to 9.1 Initial Release, even though we're now on Sitecore v10.1!

The Predictive Casino

Build and monitor Azure applications hosted on serverless architecture using Azure functions, 3rd Edition

Azure DevOps Server 2019 Cookbook

Coal Geology

The Little Book of Sitecore® Tips

Auditory Training

Azure Serverless Computing Cookbook

Over 70 incredibly effective and practical recipes to get you up and running with Sitecore development About This Book Build enterprise-level rich websites quickly and deliver the best possible content management to your website Get maximum usage of functionalities like different user interfaces, workflow, publishing, search, analytics, etc and learn different rendering techniques using presentation components for data bindings, events, handlers, schedulers, media, etc. Add a surprising amount of functionality just by customizing the Sitecore architecture through the best practices contained in this book Who This Book Is For If you are a Sitecore developer or a programmer who wants to expand your Sitecore development skills, this book is ideal for you. You will need working knowledge of ASP.NET WebForms or MVC, as well as HTML, and a basic knowledge of Sitecore installation. What You Will Learn Create, access, and personalize your website content using different Sitecore presentation components Learn how to extend the presentation components to fulfill some real-life requiremnts such as improving the site's performance, generating Rss feeds and so on Work with multiple websites on a single Sitecore instance and create multilingual websites Customize the Sitecore interfaces as per your business requirements to provide easier and error-free user interface to content authors to save time and improve accuracy Customize the Sitecore backend architecture as per your business needs Automate tasks and achieve scalability by altering the development and configuration settings Integrate external systems with Sitecore to import or export content and secure user interactions Integrate the advanced features of analytics and personalization, to get the best possible customer experience and generate its reports In Detail This book will get you started on building rich websites, and customizing user interfaces by creating content management applications quickly. It will give you an insight into web designs and how to customize the Sitecore architecture as per your website's requirements using best practices. Packed with over 70 recipes to help you achieve and solve real-world common tasks, requirements, and the problems of content management, content delivery, and publishing instance environments. It also presents recipes on Sitecore's backend processes of customizing pipelines, creating custom event handler and media handler, setting hooks and more. Other topics covered include creating a workflow action, publishing sublayouts and media files, securing your environment by customizing user profiles and access rights, boosting search capabilities, optimising performance, scalability and high-availability of Sitecore instances and much more. By the end of this book, you will have be able to add virtually limitless features to your websites by developing and deploying Sitecore efficiently. Style and approach This easy-to-follow guide is full of hands-on recipes on real-world development tasks to improve your existing Sitecore system. Each topic is presented with its benefits and detailed steps to achieve it through well-explained code and images.

Discover recipes for implementing solutions to real-world business problems through serverless applications Key FeaturesTest, troubleshoot, and monitor Azure functions to deliver high-quality and reliable cloud-centric applicationsUnderstand Visual Studio's integrated developer experience for Azure functionsExplore best practices for organizing and refactoring code within

the Azure functionsBook Description This third edition of Azure Serverless Computing Cookbook guides you through the development of a basic back-end web API that performs simple operations, helping you understand how to persist data in Azure Storage services. You'll cover the integration of Azure Functions with other cloud services, such as notifications (SendGrid and Twilio), Cognitive Services (computer vision), and Logic Apps, to build simple workflow-based applications. With the help of this book, you'll be able to leverage Visual Studio tools to develop, build, test, and deploy Azure functions quickly. It also covers a variety of tools and methods for testing the functionality of Azure functions locally in the developer's workstation and in the cloud environment. Once you're familiar with the core features, you'll explore advanced concepts such as durable functions, starting with a "hello world" example, and learn about the scalable bulk upload use case, which uses durable function patterns, function chaining, and fan-out/fan-in. By the end of this Azure book, you'll have gained the knowledge and practical experience needed to be able to create and deploy Azure applications on serverless architectures efficiently. What you will learnImplement continuous integration and continuous deployment (CI/CD) of Azure functionsDevelop different event-based handlers in a serverless architectureIntegrate Azure functions with different Azure services to develop enterprise-level applicationsAccelerate your cloud application development using Azure function triggers and bindingsAutomate mundane tasks at various levels, from development to deployment and maintenanceDevelop stateful serverless applications and self-healing jobs using durable functions Who this book is for If you are a cloud developer or architect who wants to build cloud-native systems and deploy serverless applications with Azure functions, this book is for you. Prior experience with Microsoft Azure core services will help you to make the most out of this book.

Take the guesswork out of using regular expressions. With more than 140 practical recipes, this cookbook provides everything you need to solve a wide range of real-world problems. Novices will learn basic skills and tools, and programmers and experienced users will find a wealth of detail. Each recipe provides samples you can use right away. This revised edition covers the regular expression flavors used by C#, Java, JavaScript, Perl, PHP, Python, Ruby, and VB.NET. You'll learn powerful new tricks, avoid flavor-specific gotchas, and save valuable time with this huge library of practical solutions. Learn regular expressions basics through a detailed tutorial Use code listings to implement regular expressions with your language of choice Understand how regular expressions differ from language to language Handle common user input with recipes for validation and formatting Find and manipulate words, special characters, and lines of text Detect integers, floating-point numbers, and other numerical formats Parse source code and process log files Use regular expressions in URLs, paths, and IP addresses Manipulate HTML, XML, and data exchange formats Discover little-known regular expression tricks and techniques

Textbook of Assisted Reproductive Techniques has become a classic comprehensive reference for the whole team at the IVF clinic. The fourth edition comes more conveniently as a set of two separate volumes, one for laboratory aspects and the other for clinical applications. The text has been extensively revised, with the addition of several important new contributions on laboratory aspects including developing techniques such as PICSI, IMSI, and time-lapse imaging. The second volume focuses on clinical applications and includes new chapters on lifestyle factors, tailored ovarian stimulation, frozen-thawed embryo transfer, viral disease, and religious perspectives. As before, methods, protocols, and techniques of choice are presented by eminent international experts. The two volume set includes: Volume One - Laboratory Perspectives   Volume Two - Clinical Perspectives

XSLT

Design complex serverless systems quickly with the scalability and benefits of Azure

Understanding domains, technologies, and user experience

Advanced Serverless Architectures with Microsoft Azure

Yii 1.1 Application Development Cookbook

Practical Sitecore 8 Configuration and Strategy

A User Guide for Sitecore's Content and Marketing Capabilities

Over 80 recipes to help you master using the Yii PHP framework.

Increase profitability, elevate work culture, and exceed productivity goals through DevOps practices. More than ever, the effective management of technology is critical for business competitiveness. For decades, technology leaders have struggled to balance agility, reliability, and security. The consequences of failure have never been greater—whether it's the healthcare.gov debacle, cardholder data breaches, or missing the boat with Big Data in the cloud. And yet, high performers using DevOps principles, such as Google, Amazon, Facebook, Etsy, and Netflix, are routinely and reliably deploying code into production hundreds, or even thousands, of times per day. Following in the footsteps of The Phoenix Project, The DevOps Handbook shows leaders how to replicate these incredible outcomes, by showing how to integrate Product Management, Development, QA, IT Operations, and Information Security to elevate your company and win in the marketplace.

Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C. Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's Clean Architecture doesn't merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions

for the real challenges you'll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail" Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else's designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

The Predictive Casino is a casino that utilizes the latest technological developments to connect with its customers to deliver an exceptional personalized experience that will keep them coming back. Today, technology such as AI, Machine Learning, Augmented Reality, facial recognition, IoT, Real-time stream processing, social media, and wearables are altering the Customer Experience (CX) landscape and casino operators need to jump aboard this fast moving technology or run the risk of being left out in the cold. The Predictive Casino reveals how these and other technologies can help shape the customer journey as well as provide insights into every facet of the business. The book details how the five types of analytics-descriptive, diagnostic, predictive, prescriptive, and edge analytics-affect not only the customer journey, but also just about every department in a casino operation. Facial recognition technology can spot a customer stepping onto a casino bus at the Macau/China border and that can set off alerts which will notify he necessary departments, where that is a host on the floor, a restaurant manager, a dealer, or even the hotel's GM should the player be a high-end VIP. A whole other sequence of events can get triggered as the player's favorite table is prepared, his favorite meal is cooked, and his or her Theo gets added to a real-time table games revenue management model that takes into account his personal play. Labor needs are also considered and alerts can be sent to the required or unneeded staff. An IoT connected casino can make its operations smart. Connected devices can help with inventory optimization, supply chain management, labor management, and waste management. With machine learning algorithms, data centers can be kept green and their energy use smart. For a casino operator, social media is no longer a vanity platform, but rather a place to both connect with current customers as well as court new ones. It is also a powerful branding channel that can be utilized to both understand a casino's position in the market, as well as a place to benchmark its position against its competitors. Today, technology moves at break-neck speed and it can offer the power of deep customer understanding and insight, but it also comes with a confusing variety of technology and technological terms--Big Data, Cognitive Computing, CX, Data Lakes, Hadoop, Kafka, Personalization, Spark, etc., etc. The Predictive Casino will help make sense of it all, so that a casino executive can cut through the confusing clutters of technological jargons and understand why a Spark-based real-time stream processing data stream might be preferable over a TIBCO Streambase one, or an even IBM InfoSphere one. Or maybe not. This book will help casino executives break through the technological clutter so that they can deliver an unrivaled customer experience to each and every patron coming through their doors.

Making the Integrated Resort Smart

Volume 1

Making the Retailer Smart

How to Create World-Class Agility, Reliability, and Security in Technology Organizations

A Craftsman's Guide to Software Structure and Design

Pro Git

Programmer's Reference

Master powerful new approaches to web architecture, design, and user experience This book presents a pragmatic, problem-driven, user-focused approach to planning, designing, and building dynamic web solutions. You'll learn how to gain maximum value from Domain-Driven Design (DDD), define optimal supporting architecture, and succeed with modern UX-first design approaches. The author guides you through choosing and implementing specific technologies and addresses key user-experience topics, including mobile-friendly and responsive design. You'll learn how to gain more value from existing Microsoft technologies such as ASP.NET MVC and SignalR by

using them alongside other technologies such as Bootstrap, AJAX, JSON, and JQuery. By using these techniques and understanding the new ASP.NET Core 1.0, you can quickly build advanced web solutions that solve today's problems and deliver an outstanding user experience. Microsoft MVP Dino Esposito shows you how to: Plan websites and web apps to mirror real-world social and business processes Use DDD to dissect and master the complexity of business domains Use UX-Driven Design to reduce costs and give customers what they want Realistically compare server-side and client-side web paradigms Get started with the new ASP.NET Core 1.0 Simplify modern visual webpage construction with Bootstrap Master practical, efficient techniques for running ASP.NET MVC projects Consider new options for implementing persistence and working with data models Understand Responsive Web Design's pros, cons, and tradeoffs Build truly mobile-friendly, mobile-optimized websites About This Book For experienced developers and solution architects who want to plan and develop web solutions more effectively Assumes basic familiarity with the Microsoft web development stack

What is this book about? This compact, relevant, updated version reflects recent changes in the XSLT specification and developments in XSLT parsers. The material on tools and implementations has been revised; so too have all the examples. It also includes a new chapter on writing extension functions. XML has firmly established itself as the universal standard for managing data for the web and is now being implemented on a wide scale. XSL (eXtensible Stylesheet Language), a vital companion to XML, is used for two main purposes: to format or style XML data so that it can be displayed in a browser and to transform XML data (XSLT). When you transform an XML document, you manipulate the data into a new structure, for example, re-ordering the data. This enables the same data store to be used in an unlimited number of ways. XSLT is a flexible, customizable, and cross-platform language. XSLT is a notoriously difficult language to understand, but this book, while being a complete reference to the recommendation, will also give code examples showing how it all ties together and can be effectively employed in a real-world development scenario. What does this book cover? In this book, you'll find the following topics covered: The rationale behind XSLT: What is it for? The XSLT processing model Design patterns and stylesheet structure A full reference to the XPath and XSLT languages The use of XSLT with worked examplesCurrently available XSLT processors - updated to reflect recent advances in XSLT parser technology Coverage of proposed specification enhancements Who is this book for? This book is for programmers already using XML to organize their data in applications and for those who want to use the power and compatibility of XSLT to improve the display of their data. The book is in three parts: a detailed introduction to the concepts of the language, a reference section giving comprehensive specifications and working examples of every feature, and an exploitation guide giving advice and case studies for the advanced user.

The main purpose of this book is a light-hearted look at some useful Sitecore tips (current version is 8.2 rev. 170728 Update-5). These tips are targeted at all levels of user but whether you're recapping or learning, you should find something useful, or at the very least... entertaining.

Jetpack Compose by Tutorials (First Edition)

Modern Web Development

Advanced ASP.NET Core 3 Security

C# 6.0 and the .NET 4.6 Framework

A Complete Guide to Solutions and Best Practices

Regular Expressions Cookbook

The Standard Algebra