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SciPy for Numerical and Scientific Computing -
Second Edition Mastering Swift 3 - Linux Unity 5.x
Cookbook Yii2 Application Development Cookbook
Yii 1.1 Application Development Cookbook PySide
GUI Application Development Learning Concurrent
Programming in Scala - Second Edition Learning***

Ecmascript 6

Android Phones For Dummies Sep 05 2020 Your full-color guide to putting your Android to work for you Your smartphone is essentially your lifeline—so it's no wonder you chose a simple-to-use, fun-to-customize, and easy-to-operate Android. Cutting through intimidating jargon and covering all the features you need to know about your Android phone, this down-to-earth guide arms you with the knowledge to set up and configure your device, get up and running with texting and emailing, access the Internet, navigate with GPS, synch with a PC, and so much more. Whether you're new to Android phones or have just upgraded to a new model, Android Phones For Dummies makes it fast and easy to make your new smartphone your minion. Written by bestselling author Dan Gookin, it walks you through the basics in a language you can understand before moving on to more advanced topics, like dialing tricks to forward calls, working with predictive text, accessing special characters, manipulating the touch screen, and using a USB connection to synchronize your stuff. Set up your phone and configure its settings Play games, listen to music, and start shooting photos and videos Join the conversation and have fun with social media Make your life easier with Google Voice typing No matter how you slice it, life with an Android phone is more organized and fun—and this book shows you how to make the most of it.

Learning Ecmascript 6 Aug 24 2019 Learn all the

new ES6 features and be amongst the most prominent JavaScript developers who can write efficient JS programs as per the latest standards!About This Book- Learn a powerful approach to writing object-oriented JavaScript code using ES6- Create and use ES6 modules to learn to write smart, modularized JavaScript code- The book will take you step-by-step through a wide array of examples, giving you tips on how to make the best use of the latest ES6 featuresWho This Book Is ForIf you are a JavaScript developer with basic development, and now want to learn about the latest features in order to develop better client-side programs with JavaScript, then this book is for you.What You Will Learn- Explore the usage of new syntaxes introduced by ES6- Use the new prototype-based features introduced by ES6- Execute ES6 in an old non-supported ES6 environment- Write asynchronous code using promise to facilitate the writing of better asynchronous code that is easier to read and maintain- Create and understand the usage of iterators, iterables, and generators- Get to know object-oriented programming and create objects using classes- Build proxies using the ES6 proxy API and understand its uses- Create JavaScript libraries using ES6 modulesIn DetailECMAScript 6 is the new edition to the ECMAScript language, whose specifications are inherited by JavaScript. ES6 gives a vast makeover to JavaScript by adding new syntaxes and APIs to write complex applications and libraries that are easier to debug and maintain. ES6 aims to keep

JavaScript accessible for casual developers, even after adding so many new features. This book will provide step-by-step instructions on how to apply ES6 features instead of old JavaScript hacks and methods. The book will start by introducing all the built-in objects of ES6 and how to create ES6 custom Iterators. Next, it will teach you how to write asynchronous code in a synchronous style using ES6. Moving on, the book will teach how to use Reflect API to inspect and manipulate object properties. Next, it teaches how to create proxies, and use it to intercept and customize operations performed on objects. Finally, it explains old modular programming techniques such as IIFE, CommonJS, AMD, and UMD and also compares it with ES6 modules and how ES6 modules can increase the performance of websites when used. Style and approach This book is a pragmatic guide that takes you through the ES6 APIs and other features in a conversational and easy-to-follow style. Each topic is explained with examples and use cases.

ABC Feb 20 2022 ABC's, First Words, Numbers and Shapes, Colors and Opposites including a special note to parents. Children will enjoy hours of learning fun in each 32-page bi-lingual book. All four books are designed specifically to teach and reinforce basic concepts for preschool through early elementary school children.

Frogs (New & Updated Edition) Mar 24 2022 Growing from tiny tadpoles to massive master jumpers, frogs and their life cycles are fascinating.

How far can frogs jump? Why do their eggs look slimy? Answer these questions and many more in this illustrated introduction to amphibians. With her signature bright, well-labeled diagrams and simple text, Gail Gibbons introduces the habitat and life cycles of frogs and gives an overview of common frog behaviors. Important biology vocabulary is introduced, defined, and reinforced with kid-friendly language and clear illustrations--plus a page of intriguing frog trivia and clear diagrams that show how frogs are different from toads. Bonus material is included about the unique role frogs play in the environment.

Connected Apr 12 2021 'Mr Watson, come here, I want to see you.' It's been almost 150 years since Alexander Graham Bell said these immortal words on the first ever phone call, to his assistant in the next room. Between 10 March 1876 and now, the world has changed beyond recognition. And telecommunications, which has played a fundamental role in this change, has itself evolved into an industry that was the sole preserve of science fiction. When the world's first modern mobile telephone network was launched in 1979, there were just over 300 million telephones. Today, there are more than eight billion, most of which are mobile. Most people in most countries can now contact each other in a matter of seconds. Soon we'll all be connected, to each other, and to complex computer networks that provide us with instant information, but also observe and record our actions. No other phenomenon touches so many of

us, so directly, each and every day of our lives. A concise edition of John Tysoe and Alan Knott-Craig's magnum opus, A History of Telecommunications, this book gives you the information you need to know about what keeps us connected and how we got here.

Lumion 3D Best Practices Jun 02 2020 Lumion is a real-time 3D technology that lets you create amazing visualizations without the need for long rendering hours. Lumion 3D Best Practices covers the most important Lumion features and techniques that can be incorporated in to any real production environment. Each chapter covers a different stage of a production workflow. The first two chapters provide a good foundation, in particular for when creating content for Lumion. Furthermore, the book provides an efficient workflow by covering two classic visualization scenes: interior and exterior scenes. You then get to know the best techniques to create physically based materials that boost the look and realism of any 3D scene. Special chapters are reserved to create efficient animations, still images and movies. By the end of this practical guide, users will be familiar with the professional and effective techniques to increase efficiency in producing high-end quality visualizations in Lumion.

Learning Concurrent Programming in Scala - Second Edition Sep 25 2019 Learn the art of building intricate, modern, scalable, and concurrent applications using Scala>About This Book* Make the most of Scala by understanding its philosophy and harnessing the power of multicores* Get acquainted

with cutting-edge technologies in the field of concurrency, through practical, real-world applications* Get this step-by-step guide packed with pragmatic examplesWho This Book Is ForIf you are a Scala programmer with no prior knowledge about concurrent programming, or seeking to broaden your existing knowledge about concurrency, this book is for you. Basic knowledge of the Scala programming language will be helpful. Also if you have a solid knowledge in another programming language, such as Java, you should find this book easily accessible.What You Will Learn* Get to grips with the fundamentals of concurrent programming on modern multiprocessor systems, with a particular focus on the JVM concurrency model* Build high-performance concurrent systems from simple, low-level concurrency primitives* Express asynchrony in concurrent computations with futures and promises* Seamlessly accelerate sequential programs by using data-parallel collections* Design safe, scalable, and easy-to-comprehend in-memory transactional data models* Transparently create distributed applications that scale across multiple machines* Integrate different concurrency frameworks together in large applications* Develop and implement scalable and easy-to-understand concurrent applications in Scala 2.12In DetailScala is a modern, multiparadigm programming language designed to express common programming patterns in a concise, elegant, and type-safe way. Scala smoothly integrates the features of object-oriented

and functional languages. In this second edition, you will find an updated coverage of the Scala 2.12 platform. The Scala 2.12 series targets Java 8 and requires it for execution. It starts by introducing you to the foundations of concurrent programming on the JVM, outlining the basics of the Java Memory Model, and then shows some of the classic building blocks of concurrency, such as the atomic variables, thread pools, and concurrent data structures, along with the caveats of traditional concurrency. It then walks you through different high-level concurrency abstractions, each tailored toward a specific class of programming tasks, while touching on the latest advancements of Async programming capabilities of Scala. It also covers some useful patterns and idioms to use the techniques described. Finally, the book presents an overview of when to use which concurrency library and demonstrates how they all work together.

Bluetooth Low Energy May 26 2022 The First Complete Guide to Bluetooth Low Energy: How It Works, What It Can Do, and How to Apply It A radical departure from conventional Bluetooth technology, Bluetooth low energy (BLE) enables breakthrough wireless applications in industries ranging from healthcare to transportation. Running on a coin-sized battery, BLE can operate reliably for years, connecting and extending everything from personal area network devices to next-generation sensors. Now, one of the standard's leading developers has written the first comprehensive, accessible introduction to BLE for every system

developer, designer, and engineer. Robin Heydon, a member of the Bluetooth SIG Hall of Fame, has brought together essential information previously scattered through multiple standards documents, sharing the context and expert insights needed to implement high-performance working systems. He first reviews BLE's design goals, explaining how they drove key architectural decisions, and introduces BLE's innovative usage models. Next, he thoroughly covers how the two main parts of BLE, the controller and host, work together, and then addresses key issues from security and profiles through testing and qualification. This knowledge has enabled the creation of Bluetooth Smart and Bluetooth Smart Ready devices. This guide is an indispensable companion to the official BLE standards documents and is for every technical professional and decision-maker considering BLE, planning BLE products, or transforming plans into working systems. Topics Include BLE device types, design goals, terminology, and core concepts

Architecture: controller, host, applications, and stack splits Usage models: presence detection, data broadcasting, connectionless models, and gateways Physical Layer: modulation, frequency band, radio channels, power, tolerance, and range Direct Test Mode: transceiver testing, hardware interfaces, and HCI Link Layer: state machine, packets, channels, broadcasting, encryption, and optimization HCI: physical/logical interfaces, controller setup, and connection management L2CAP: channels and packet structure, and LE signaling channels

Attributes: grouping, services, characteristics, and protocols Security: pairing, bonding, and data signing Generic Access Profiles: roles, modes, procedures, security modes, data advertising, and services Applications, devices, services, profiles, and peripherals Testing/qualification: starting projects, selecting features, planning, testing, compliance, and more

Moodle 3 Administration Aug 05 2020 An administrator's guide to configuring, securing, customizing, and extending Moodle About This Book Learn how to plan, install, optimize, customize, and configure Moodle Guarantee a cutting-edge learning experience in a secure and customizable environment while optimizing your day-to-day workload A one-stop guide with a problem-solution approach and a wide range of real-world examples Who This Book Is For If you are a technician, systems administrator, or part of academic staff, this is the book for you. This book is ideal for anyone who has to administer a Moodle system. Whether you are dealing with a small-scale local Moodle system or a large-scale multi-site Virtual Learning Environment, this book will assist you with any administrative task. Some basic Moodle knowledge is helpful, but not essential. What You Will Learn Install and update Moodle on multiple platforms manually and via CLI and GIT Manage courses and categories, users and cohorts, as well as roles Get Moodle hooked up to repositories, portfolios, and open badges Configure Moodle for mobile usage, accessibility, localization,

communication, and collaboration Guarantee backups, security and privacy, and achieve maximum performance via the Moodle Universal Cache and the new cron system Configure the Moodle events system to generate comprehensive reports, statistics, and learning analytics Network Moodle with Mahara and extend it with third-party add-ons and via LTI Customize Moodle web services to enable mobile learning and integration with other IT systems In Detail Moodle is the de facto standard for open source learning platforms. However, setting up and managing a learning environment can be a complex task since it covers a wide range of technical, organizational, and pedagogical topics. This ranges from basic user and course management, to configuring plugins and design elements, all the way to system settings, performance optimization, events frameworks, and so on. This book concentrates on basic tasks such as how to set up and configure Moodle and how to perform day-to-day administration activities, and progresses on to more advanced topics that show you how to customize and extend Moodle, manage courses, cohorts, and users, and how to work with roles and capabilities. You'll learn to configure Moodle plugins and ensure your VLE conforms to pedagogical and technical requirements in your organization. You'll then learn how to integrate the VLE via web services and network it with other sites, including Mahara, and extend your system via plugins and LTI. By the end of this book, you will be able to set up an efficient, fully fledged, and secure

Moodle system. Style and approach The book takes a problem-solution approach to fall in line with your day-to-day operations. This is a one-stop reference for any task you will ever come across when administering a Moodle site of any shape and size.

Yii2 Application Development Cookbook Dec 29 2019 Discover 100 useful recipes that will bring the best out of the Yii2 framework and be on the bleeding edge of web development today About This Book Learn how to use Yii2 efficiently through clear examples and core features, and see how to use tests, create reusable code snippets, core widgets, deployment, and more This book provides you with a wide space for practice approaches and helps you to learn about the new Yii2 framework. Understand the difference between the Yii 1.x.x versions using useful examples from real web applications Who This Book Is For This book is for developers with good PHP5 knowledge and MVC-frameworks who have tried to develop applications using the Yii 1.x.x version. This book will very useful for all those who would like to try Yii2, or those who are afraid to move from Yii 1.x.x. to Yii2. If you have still not tried Yii2, this book is definitely for you! What You Will Learn See the new version of the Yii2 framework and application development practices Write your applications more efficiently using shortcuts, Yii's core functionality, and the best practices in Web 2.0 Get data from a database, and deal with Active Record, migrations, widgets, and core features Easily update your skills from the previous version of the framework Explore how to

use Yii with different JavaScript frameworks and libraries such as WebSockets, Angular, Ember, Backbone and React Learn how to keep your application secure according to the general web application security principle "filter input, escape output. Write RESTfull Web Services using Yii2 and built-in features Correctly install and use official extensions in your projects Effectively create and implement your own Yii extension, and also ensure your extension is reusable and useful for the community In Detail Yii is a free, open source web application development framework written in PHP5 that promotes clean DRY design and encourages rapid development. It works to streamline your application development time and helps to ensure an extremely efficient, extensible, and maintainable end product. Being extremely performance optimized, Yii is a perfect choice for any size project. However, it has been built with sophisticated, enterprise applications in mind. You have full control over the configuration from head-to-toe (presentation-to-persistence) to conform to your enterprise development guidelines. It comes packaged with tools to help test and debug your application, and has clear and comprehensive documentation. This book is a collection of Yii2 recipes. Each recipe is represented as a full and independent item, which showcases solutions from real web-applications. So you can easily reproduce them in your environment and learn Yii2 fast and without tears. All recipes are explained with step-by-step code examples and clear screenshots. Yii2 is

like a suit that looks great off the rack, but is also very easy to tailor to fit your needs. Virtually every component of the framework is extensible. This book will show how to use official extensions, extend any component, or write a new one. This book will help you create modern web applications quickly, and make sure they perform well using examples and business logic from real life. You will deal with the Yii command line, migrations, and assets. You will learn about role-based access, security, and deployment. We'll show you how to easily get started, configure your environment, and be ready to write web applications efficiently and quickly.

Style and approach The chapters of this book are independent and offer a practical approach to Yii development. You can start reading from the chapter you need most, be it Ajax and jQuery, RESTful Web Services, Database, Active Record, or Official Extensions

Implementing Domain-Specific Languages with Xtext and Xtend May 02 2020 Learn how to implement a DSL with Xtext and Xtend using easy-to-understand examples and best practices About This Book Leverage the latest features of Xtext and Xtend to develop a domain-specific language. Integrate Xtext with popular third party IDEs and get the best out of both worlds. Discover how to test a DSL implementation and how to customize runtime and IDE aspects of the DSL Who This Book Is For This book is targeted at programmers and developers who want to create a domain-specific language with Xtext. They should have a basic

familiarity with Eclipse and its functionality. Previous experience with compiler implementation can be helpful but is not necessary since this book will explain all the development stages of a DSL. What You Will Learn Write Xtext grammar for a DSL; Use Xtend as an alternative to Java to write cleaner, easier-to-read, and more maintainable code; Build your Xtext DSLs easily with Maven/Tycho and Gradle; Write a code generator and an interpreter for a DSL; Explore the Xtext scoping mechanism for symbol resolution; Test most aspects of the DSL implementation with JUnit; Understand best practices in DSL implementations with Xtext and Xtend; Develop your Xtext DSLs using Continuous Integration mechanisms; Use an Xtext editor in a web application In Detail Xtext is an open source Eclipse framework for implementing domain-specific languages together with IDE functionalities. It lets you implement languages really quickly; most of all, it covers all aspects of a complete language infrastructure, including the parser, code generator, interpreter, and more. This book will enable you to implement Domain Specific Languages (DSL) efficiently, together with their IDE tooling, with Xtext and Xtend. Opening with brief coverage of Xtext features involved in DSL implementation, including integration in an IDE, the book will then introduce you to Xtend as this language will be used in all the examples throughout the book. You will then explore the typical programming development workflow with Xtext when we modify the grammar of the DSL.

Further, the Xtend programming language (a fully-featured Java-like language tightly integrated with Java) will be introduced. We then explain the main concepts of Xtext, such as validation, code generation, and customizations of runtime and UI aspects. You will have learned how to test a DSL implemented in Xtext with JUnit and will progress to advanced concepts such as type checking and scoping. You will then integrate the typical Continuous Integration systems built in to Xtext DSLs and familiarize yourself with Xbase. By the end of the book, you will manually maintain the EMF model for an Xtext DSL and will see how an Xtext DSL can also be used in IntelliJ. Style and approach
A step-by step-tutorial with illustrative examples that will let you master using Xtext and implementing DSLs with its custom language, Xtend.

FreeSWITCH 1.0.6 Jun 14 2021 Build robust high-performance telephony systems using FreeSWITCH
Proceedings of the 6th ACM Symposium on Information, Computer and Communications Security Sep 17 2021

Mastering FreeSWITCH Oct 31 2022 Master the art of advanced VoIP and WebRTC communication with the most dynamic application server, FreeSWITCH
About This Book Forget the hassle - make FreeSWITCH work for you Discover how FreeSWITCH integrates with a range of tools and APIs From high availability to IVR development use this book to become more confident with this useful communication software Who This Book Is For

SysAdmins, VoIP engineers - whoever you are, whatever you're trying to do, this book will help you get more from FreeSWITCH. What You Will Learn

- Get to grips with the core concepts of FreeSWITCH***
- Learn FreeSWITCH high availability***
- Work with SIP profiles, gateways, ITSPs, and Codecs optimization***
- Implement effective security on your projects***
- Master audio manipulation and recording***
- Discover how FreeSWITCH works alongside WebRTC***
- Build your own complex IVR and PBX applications***
- Connect directly to PSTN/TDM***
- Create your own FreeSWITCH module***
- Trace SIP packets with the help of best open source tools***
- Implement Homer Sipcapture to troubleshoot and debug all your platform traffic***

In Detail FreeSWITCH is one of the best tools around if you're looking for a modern method of managing communication protocols through a range of different media. From real-time browser communication with the WebRTC API to implementing VoIP (voice over internet protocol), with FreeSWITCH you're in full control of your projects. This book shows you how to unlock its full potential - more than just a tutorial, it's packed with plenty of tips and tricks to make it work for you. Written by members of the team who actually helped build FreeSWITCH, it will guide you through some of the newest features of version 1.6 including video transcoding and conferencing. Find out how FreeSWITCH interacts with other tools and APIs, learn how to tackle common (and not so common) challenges ranging from high availability to IVR development and programming advanced PBXs.

Great communication functionality begins with FreeSWITCH - find out how and get your project up and running today. Style and approach Find out how it works, then put your knowledge into practice - that's how this advanced FreeSWITCH guide has been designed to help you learn. You'll soon master FreeSWITCH and be confident using it in your projects.

Handbook of Student Skills Sprintprint Mar 12 2021 With its clear structure and practical approach, Good Study provides the ideal guide to help students through their demanding first year of study. Its basic aim is to give them the maximum information in the minimum time so they can concentrate on using the advice whilst studying. Good Study is the complete revision of the best-selling Handbook of Student Skills and is written by a lecturer with many years of first- year university teaching.

Wi-Fi Telephony Oct 19 2021 Wi-Fi telephony is the latest, most cost effective, and clearest way of carrying voice data wirelessly. The great news is that it can be integrated seamlessly into the same infrastructures as currently used for computer and telephone data. The digital quality is far above current cellular technologies. This book will be among the first to discuss Session Initiation Protocol (SIP), Quality of Service (QoS), and interoperability in connection with Wi-Fi telephony. Security challenges are also presented and solved along these malleable wireless boundaries. In short, this book provides all the information necessary for

effective, reliable, crystal clear Wi-Fi telephony service and implementation. *Using current telephone and computer infrastructure this technology can be implemented at low cost *The importance of Quality of Service (QoS) and security of Wi-Fi telephony is considered *Enhances the clarity of a call beyond a basic cellular phone using digital data transfer

Sargent Watercolors Dec 09 2020 This illustrated volume contains a collection of the watercolours of Sargent,ost of which are mature works.

Freeswitch Cookbook Apr 24 2022 This is a problem-solution approach to take your FreeSWITCH skills to the next level, where everything is explained in a practical way. If you are a system administrator, hobbyist, or someone who uses FreeSWITCH on a regular basis, this book is for you. Whether you are a FreeSWITCH expert or just getting started, this book will take your skills to the next level.

Refurbish Antique Telephones for Fun and Hobby Jan 22 2022 You dont need to know anything about electronics or telephones to refurbish your own non-working antique telephone. Simply follow the step-by-step procedures outlined in Refurbish Antique Telephones for Fun and Hobby to make your antique telephone look and work just as it did one hundred years ago. Turn a dust-laden oak wall phone into a beautiful piece of furniture that will serve as the focal point of an office, kitchen, or hallway.

Transform a vintage Sultan phone from the 1920s into an instant conversation piece. No confusing circuit diagrams to follow. Just follow the steps

given in words to wire the phone. There are loads of pictures to help walk you through the process of restoring your own small piece of history. There are even instructions on how to create a hidden touch-tone dial. All you need to get started are some basic tools and an old telephone. So hit those antique stores and flea markets with abandon, because Refurbish Antique Telephones for Fun and Hobby will help make your next telephone restoration project a success.

Phone Power Jan 10 2021 For executives, telemarketers, secretaries--anyone who relies heavily on the telephone in business--here is the guide to improving telephone efficiency, written by America's most accomplished phone-techniques expert, George R. Walther.

Adobe Creative Suite 2 Aug 17 2021 Adobe Creative Suite 2, Adobe's tightly integrated set of design tools, offers enough goodies to make any graphic designer swoon. Since the Premium edition of this software collection includes Photoshop CS2, Illustrator CS 2, InDesign CS2, GoLive CS2, and Acrobat 7.0 Professional--as well as a handful of other shiny new tools--users will find everything they need to create beautiful content for print, the Web, and mobile devices. Here to make sure you master it quickly and completely is a self-paced guide from Adobe's Creative Team--the folks behind the software. With the Classroom in a Book series, you learn by immersion. Step-by-step, project-based lessons walk you through sample real-life projects, while review questions at the end of each chapter

reinforce the new skills you've learned. The companion CD, filled with lesson and media files, will have you working on print, Web and PDF projects in no time. Whether you're a graphic design novice, student, graphic designer, educator, or are just new to the Adobe Creative Suite, this book will give you a solid overview of Adobe's creative design software.

Yii 1.1 Application Development Cookbook Nov 27 2019 Over 80 recipes to help you master using the Yii PHP framework.

Unity 5.x Cookbook Jan 28 2020 Over 100 recipes exploring the new and exciting features of Unity 5 to spice up your Unity skillset About This Book Built on the solid foundation of the popular Unity 4.x Cookbook, the recipes in this edition have been completely updated for Unity 5 Features recipes for both 2D and 3D games Provides you with techniques for the new features of Unity 5, including the new UI system, 2D game development, new Standard Shaders, and the new Audio Mixer Who This Book Is For From beginners to advanced users, from artists to coders, this book is for you and everyone in your team! Programmers can explore multimedia features, and multimedia developers can try their hand at scripting. Basic knowledge and understanding of the Unity platform, game design principles, and programming knowledge in C# is essential. What You Will Learn Immerse players with great audio, utilizing Unity 5's audio features including the new Audio Mixer, ambient sound with Reverb Zones, dynamic soundtracks with Snapshots,

and balanced audio via Ducking Create better materials with Unity's new, physically-based, Standard Shader Measure and control time, including pausing the game, displaying clocks and countdown timers, and even implementing "bullet time" effects Improve ambiance through the use of lights and effects such as reflection and light probes Create stylish user interfaces with the new UI system, including power-bars, clock displays, and an extensible inventory system Save and load text and media assets from local or remote sources, publish your game via Unity Cloud, and communicate with websites and their databases to create online scoreboards Discover advanced techniques, including the publisher-subscriber and state patterns, performance bottleneck identification, and methods to maximize game performance and frame rates Control 2D and 3D character movement, and use NavMeshAgents to write NPC and enemy behaviors such as seek, flee, flock, and waypoint path following In Detail Unity 5 is a flexible and intuitive multiplatform game engine that is becoming the industry's de facto standard. Learn to craft your own 2D and 3D computer games by working through core concepts such as animation, audio, shaders, GUI, lights, cameras, and scripting to create your own games with Unity 5. Completely re-written to cover the new features of Unity 5, this book is a great resource for all Unity game developers, from those who have recently started using Unity right up to Unity professionals. The first half of the book focuses on core concepts of 2D

game design while the second half focuses on developing 3D game development skills. In the first half, you will discover the new GUI system, the new Audio Mixer, external files, and animating 2D characters in 2D game development. As you progress further, you will familiarize yourself with the new Standard Shaders, the Mecanim system, Cameras, and the new Lighting features to hone your skills towards building 3D games to perfection. Finally, you will learn non-player character control and explore Unity 5's extra features to enhance your 3D game development skills. Style and approach Each chapter first introduces the topic area and explains how the techniques covered can enhance your games. Every recipe provides step-by-step instructions, followed by an explanation of how it all works, and useful additional refinements or alternative approaches. Every required resource and C# script (fully commented) is available to download, enabling you to follow each recipe yourself.

PySide GUI Application Development Oct 26 2019 Develop more dynamic and robust GUI applications using PySide, an open source cross-platform UI framework About This Book Designed for beginners to help you get started with GUI application development Develop your own applications by creating customized widgets and dialogs Written in a simple and elegant structure so you easily understand how to program various GUI components Who This Book Is For This book is written for Python programmers who want to learn

about GUI programming. It is also suitable for those who are new to Python but are familiar with object-oriented programming. What You Will Learn

Program GUI applications in an easy and efficient way Download and install PySide, a cross-platform GUI development toolkit for Python Create menus, toolbars, status bars, and child windows Develop a text editor application on your own Connect your GUI to a database and manage it Execute SQL queries by handling databases In Detail Elegantly-built GUI applications are always a massive hit among users. PySide is an open source software project that provides Python bindings for the Qt cross-platform UI framework. Combining the power of Qt and Python, PySide provides easy access to the Qt framework for Python developers and also acts as an excellent rapid application development platform. This book will take you through everything you need to know to develop UI applications. You will learn about installing and building PySide in various major operating systems as well as the basics of GUI programming. The book will then move on to discuss event management, signals and slots, and the widgets and dialogs available with PySide. Database interaction and manipulation is also covered. By the end of this book, you will be able to program GUI applications efficiently and master how to develop your own applications and how to run them across platforms. Style and approach This is an accessible and practical guide to developing GUIs for Python applications.

FreeSWITCH 1.8 Dec 01 2022 Build a robust, high-performance telephony system with FreeSWITCH
About This Book Learn how to install and configure a complete telephony system of your own, from scratch, using FreeSWITCH 1.6 Get in-depth discussions of important concepts such as dialplan, user directory, NAT handling, and the powerful FreeSWITCH event socket Discover expert tips from the FreeSWITCH experts, including the creator of FreeSWITCH—Anthony Minessale Who This Book Is For This book is for beginner-level IT professionals and enthusiasts who are interested in quickly getting a powerful telephony system up and running using FreeSWITCH. It would be good if you have some telephony experience, but it's not a must.
What You Will Learn Build a complete WebRTC/SIP VoIP platform able to interconnect and process audio and video in real time Use advanced PBX features to create powerful dialplans Understand the inner workings and architecture of FreeSWITCH Real time configuration from database and webserver with mod_xml_curl Integrate browser clients into your telephony service Use scripting to go beyond the dialplan with the power and flexibility of a programming language Secure your FreeSWITCH connections with the help of effective techniques Deploy all FreeSWITCH features using best practices and expert tips Overcome frustrating NAT issues Control FreeSWITCH remotely with the all-powerful event socket Trace packets, check debug logging, ask for community and commercial help In Detail FreeSWITCH is an open source

telephony platform designed to facilitate the creation of voice and chat-driven products, scaling from a soft-phone to a PBX and even up to an enterprise-class soft-switch. This book introduces FreeSWITCH to IT professionals who want to build their own telephony system. This book starts with a brief introduction to the latest version of FreeSWITCH. We then move on to the fundamentals and the new features added in version 1.6, showing you how to set up a basic system so you can make and receive phone calls, make calls between extensions, and utilize basic PBX functionality. Once you have a basic system in place, we'll show you how to add more and more functionalities to it. You'll learn to deploy the features on the system using unique techniques and tips to make it work better. Also, there are changes in the security-related components, which will affect the content in the book, so we will make that intact with the latest version. There are new support libraries introduced, such as SQLite, OpenSS, and more, which will make FreeSWITCH more efficient and add more functions to it. We'll cover these in the new edition to make it more appealing for you. Style and approach This easy-to-follow guide helps you understand every topic easily using real-world examples of FreeSWITCH tasks. This book is full of practical code so you get a gradual learning curve.

Bootstrap 4 By Example Jul 04 2020 Master Bootstrap 4's frontend framework and build your websites faster than ever before About This Book Become an expert in Bootstrap framework, and

speed up front-end development and prototyping through real-life examples An applied guide exploring two web applications such as Twitter and Dashboard from scratch Hands on the Bootstrap version 4 even before the official release Who This Book Is For If you are a frontend developer with no knowledge of Bootstrap, then this book is for you. Basic knowledge of HTML, CSS, and JavaScript is expected, as well as a reasonable understanding of web frameworks, such as jQuery. What You Will Learn Discover how to use Bootstrap's components and elements, and to customize them for your own projects Understand the framework's usage in the best way with the recommended development patterns Create web pages for any kind of device like tablet, mobile, computer, etc. Construct a Twitter app by exploring the advanced bootstrap components like Breadcrumbs, Pagination, Media objects, and so on Combine the power of JavaScript with your Bootstrap app for more functionality Create a Dashboard web app using Bootstrap's JavaScript plugins Learn the difference between Bootstrap's version 3 and 4 of the framework Extend your knowledge on Bootstrap's external plugins, their incorporation and usage In Detail Bootstrap is a free, open source collection of tools that helps developers create websites or web applications. It provides a faster, easier, and less repetitive solution to designing and building applications. Before Bootstrap's release, it was necessary to import a variety of libraries into your project that offered different components and features for web interface

development. Plus with the increased popularity of smartphones there were lack of libraries that could handle the responsiveness of a web page.

Bootstrap's existence let it quickly become famous as a front-end framework that offered a wide set of tools from page grid up to components that render a web page in the best possible way for any device.

This book will be a tutorial covering various examples as well as step-by-step methodology to create interesting web applications using Bootstrap and to understand the front-end framework to its core. We begin with an introduction to the Bootstrap framework and setting up an environment to build a simple web page. We then cover the grid system, basic Bootstrap components, HTML elements, and customization components for responsive and mobile first development. This is presented by creating a beautiful Landing page sample. You will also learn how to create a web application like Twitter by using the full set of components offered in the framework. Finally, you will learn to create a dashboard web app, using Bootstrap to its finest potential including component customizations, event handling, and external library integration. All these examples are explained step-by-step and in depth, while covering the versions 3 and the most recent version 4 of Bootstrap. So, you will be in the state of the art for front-end development. By the end of this book, you will be familiar with the development of a plugin for the framework and Bootstrap's world which is popular for fast paced front-end web development,

used in countless projects all over the world, and now yours. Style and approach This is a step-by-step guide that closely focuses on developing web applications in most objective way solving real-life problems with Bootstrap. It covers two sample web applications, which are explained in detail.

FreeSWITCH 1.2 Aug 29 2022 This book is full of practical code examples aimed at a beginner to ease his or her learning curve. This book is written for IT professionals and enthusiasts who are interested in quickly getting a powerful telephony system up and running using the free and open source application, FreeSWITCH. Telephony experience will be helpful, but not required.

Telephone Installation Handbook Feb 08 2021 The definitive guide to home and small business installation -- extensions, modems and telephone systems. Steve Roberts provides a practical guide to the installation of telephone wiring in Telephone Installation Handbook. The coverage of his book ranges from the simple, single extension socket to the Private Automative Branch Exchange (PABX), with the necessary tools, test equipment and materials needed by installers described throughout. The text is supported by an extensive glossary of technical terms, abbreviations and acronyms. Further appendices give supplier addresses and useful contacts, as well as providing circuit diagrams and descriptions of a number of telephone-related electronic devices. This book arms you with knowledge of regulations and techniques to help plan and implement telephone

installations. Above all, this is a practical book for those intending to make a living from installing extensions and systems, for facilities managers responsible for workplace systems, for those who need to communicate effectively with telephone engineers, and for those who prefer to do their own work around the house. The new edition has been updated throughout, and now includes extended information on ISDN and also a new chapter covering CAT5 cabling -- its implementation and integration. The first practical guide to telephone installation, fully updated to cover new technological advances A basic primer for those with little prior knowledge of the subject and want to know more Coverage of the basics makes this a useful reference work

One Tribe at a Time Nov 19 2021 "Major Jim Gant, a man seen by many of us as the 'perfect insurgent,'--an inspiring, gifted, courageous leader... -- GENERAL DAVID H. PETRAEUS (U.S. Army, Ret.) THE PAPER THAT ROCKED OSAMA BIN LADEN Team members during the May 2, 2011 U.S. military raid that killed Osama Bin Laden seized piles of Al Qaeda intelligence. One piece of evidence found in Bin Laden's personal sleeping quarters was an English language copy of Jim Gant's One Tribe at a Time. It contained notes in the margins consistent with others identified as written by Osama Bin Laden. A directive from Osama Bin Laden to his intelligence chief was also discovered. It identified Jim Gant by name as an impediment to Al Qaeda's operational objectives for eastern Afghanistan. Bin

Laden ordered that Gant be assassinated. "[One Tribe at a Time] was hugely important...at a time when I was looking for ideas on Afghanistan...[Gant] was the first to write it down, in a very coherent fashion, very readable, very encouraging frankly...and there is enormous power in that."
--General David H. Petraeus (U.S. Army, Ret.)
quoted in American Spartan: The Promise, The Mission, and The Betrayal of Special Forces Major Jim Gant by Ann Scott Tyson
Washington Post reporter Ann Scott Tyson read "One Tribe at a Time," and - informed by her combat experience in Afghanistan and Iraq and her eight years as a reporter in China - she realized that Jim's paper made sense. She decided to write a story about Jim entitled, "Jim Gant, the Green Beret who could win the war in Afghanistan." After the article appeared in January 2010, as Jim was in Washington, D.C., attending Pashto language training, he met Ann and the two fell in love. She followed his mission in Afghanistan and wrote AMERICAN SPARTAN: The Promise, the Mission, and the Betrayal of Special Forces Major Jim Gant.

Android Phones For Dummies Oct 07 2020

Everything you need to know about your Android smartphone?in full color! Eager to learn the ins and outs of your exciting, new Android phone? Then this is the book you need! Written in the typical fun and friendly For Dummies style, this full-color guide covers the basics of all the features of Android phones without weighing you down with heavy technical terms or jargon. Veteran world-renowned

author Dan Gookin walks you through everything from getting started with setup and configuration to making the most of your phone's potential with texting, e-mailing, accessing the Internet and social networking sites, using the camera, synching with a PC, downloading apps, and more. Covers all the details of the operating system that applies to every Android phone, including Motorola Droids, HTC devices, Samsung Galaxy S phones, to name a few. Walks you through basic phone operations while also encouraging you to explore your phone's full potential. Serves as an ideal guide to an inexperienced Android newbie who is enthusiastic about getting a handle on everything an Android phone can do. Android Phones For Dummies helps you get smarter with your Android smartphone.

Recent Advances in Surgery 35 May 14 2021 Recent Advances in Surgery 35 is the latest volume in a series that reviews current topics in general surgery and in its major subspecialties. Divided into five sections, this volume includes chapters on perioperative care, cardiopulmonary exercise testing for abdominal surgery, breast reconstruction, facial paralysis, a range of gastrointestinal subjects and the diabetic foot, as well as a review of randomised trials and meta-analyses in surgery. With contributions from recognised experts, the majority from throughout the UK, this new volume covers all the latest developments within surgery, providing excellent revision material for professional examinations, and helping consultant surgeons keep up to date across

the specialty. Key points Latest volume in series bringing postgraduates and consultants up to date with the latest developments in general surgery and its subspecialties Includes review of randomised clinical trials and meta-analyses in surgery Contributions from recognised experts, mainly in the UK Includes more than 80 images and illustrations

FreeSWITCH 1.6 Cookbook Sep 29 2022

FreeSWITCH is an open source carrier-grade telephony platform designed to facilitate the creation of voice, chat, and video applications, via phones and web browsers. It is scalable, carrier-ready, and easy-to-program for converged communication and VoIP. The technology serves SIP, WebRTC, PSTN, FAX, PBX, VERTO, and all the relevant channels essential to stay connected in today's world. In the FreeSWITCH 1.6 Cookbook, members of the FreeSWITCH development team share some of their hard-earned knowledge with you. Use this knowledge to improve and expand your FreeSWITCH installations.

Immigration Practice Nov 07 2020

Facsimile Products Jun 26 2022

Learning SciPy for Numerical and Scientific Computing - Second Edition Mar 31 2020 This book targets programmers and scientists who have basic Python knowledge and who are keen to perform scientific and numerical computations with SciPy.

Costruire centralini telefonici con FreeSWITCH Jan 02 2023 Un nuovo software open source per costruire sistemi telefonici VoIP è nato. Si chiama

FreeSWITCH e può fare praticamente tutto. La sua configurazione, però, non è banale. Questo libro prende il lettore per mano e lo conduce attraverso tutti gli aspetti della sua programmazione base, usando come filo conduttore un progetto preciso: costruire un centralino aziendale. Capitolo dopo capitolo, l'autore introduce i concetti base del Voice over IP, gli aspetti sistemistici legati all'installazione del software e tutte le fasi di configurazione, che vanno dalla creazione degli interni alla configurazione degli apparati e dalla definizione delle linee di uscita all'attivazione dei servizi. Alla fine del percorso, il lettore sarà in grado di costruire centralini completi, arricchiti dalla presenza di servizi quali alberi vocali, fax virtuali, audio conferenze e sistemi automatici di configurazione. Ogni capitolo è corredato con esempi e indicazioni su come personalizzare i vari servizi. Non un manuale teorico, ma un vero e proprio corso pensato per i neofiti da chi usa questo software quotidianamente.

Mastering Swift 3 - Linux Feb 29 2020 Learn to build fast and robust applications on the Linux platform with Swift About This Book Create robust applications by building a strong foundation in the Swift Language Utilize Swift 3 on the embedded Linux platform for IoT and Robotic projects Build more flexible and high-performing applications on desktop, server, and embedded Linux platforms Who This Book Is For This book is for Linux developers who are interested in quickly learning how to use Swift to create exciting applications on Linux

platforms. What You Will Learn Install Swift on the Linux platform Explore the power of the Swift language Get to know the proper design techniques Understand Swift's new Core Library Implement popular design patterns with Swift Integrate C libraries with Swift Using Swift on Single-Board Computers Learn how to add concurrency to your application with Grand Central Dispatch Learn how to work with Swift Generics Learn how to use the Protocol-Oriented design paradigm In Detail Swift is a modern, fast, and safe programming language created by Apple. Writing Swift is interactive and fun, the syntax is concise yet expressive, and the code runs lightning-fast. Swift's move to open source has been embraced with open arms and has seen increased adoption in the Linux platform. Our book will introduce you to the Swift language, further delving into all the key concepts you need to create applications for desktop, server, and embedded Linux platforms. We will teach you the best practices to design an application with Swift 3 via design patterns and Protocol-Oriented Programming. Further on, you will learn how to catch and respond to errors within your application. When you have gained a strong knowledge of using Swift in Linux, we'll show you how to build IoT and robotic projects using Swift on single board computers. By the end of the book, you will have a solid understanding of the Swift Language with Linux and will be able to create your own applications with ease. Style and approach This easy-to-follow, code-rich guide is filled with examples

that demonstrate how to put the concepts into practice. You'll also get design patterns and best practices to get you writing better applications on the Linux platform.

Telephone Communication System Essentials Dec 21 2021 Perhaps nothing is taken more for granted than the telephone. Whenever you pick it up, you just assume it will work. But there are many elements in a telephone network, and they all must be integrated. Whether it's signaling, switching or channeling, so many things need to go right. In this guidebook, you'll learn about key topics such as: • differences between analog and digital signals; • strategic analog and digital communication illustrations; • basics about circuit switching and packet switching; • wireless channels, modulation, and multiplexing. Even though it's one of the most amazing devices ever created, many people still don't have a real appreciation for the telephone, which has given businesses the opportunity to reach more prospects and individuals a way to stay in touch with family members and friends. Whether you're a student, lecturer, professional in the field or just someone who is curious about how telephone networks function, you'll be armed with fundamental knowledge in Telephone Communication System Essentials.

HR and Marketing Power Partners Jul 28 2022 HR and Marketing have transformed themselves into disciplines with a strategic voice. Now it's time they team up for even greater business performance. HR and Marketing: Power Partners will energize a new

relationship based on a shared interest in loyalty and engagement. Power Partners is the brainchild of real-life collaborators Patricia Nazemetz, former CHRO, Xerox Corporation and Will Ruch, CEO of Versant, a full-service branding and marketing firm. Nazemetz and Ruch joined forces on internal branding that inspired employee loyalty, commitment and 110% effort. Through in-depth interviews with the nation's top executives, Nazemetz and Ruch share the secrets to HR-Marketing collaboration and the business value it can bring to every organization. & ;& ;Social media has moved branding into the hands of individuals, leaving corporations to participate in, rather than control, their own reputation. How do organizations respond in this changing environment to ensure that customer loyalty and employee commitment will continue? & ;HR and Marketing: Power Partners shines light on the power HR and Marketing have to achieve these business goals by driving their corporate brand together. For HR professionals, Power Partners is a valuable resource on ways to reinvent the employee value proposition to reach today's talent pool. It's also a must-read for marketing executives and corporate leaders who recognize that talent is what ultimately fuels business success.& ;& ;For HR executives and frontline leaders& ;- Power up your talent acquisition and retention& ;- Inspire loyalty, commitment and 110% effort& ;- Drive talent strategy that adds direct business value& ;& ;For Marketing professionals& ;- Make your brand a

talent magnet& ;- Engage employees that can reflect the brand& ;- Build customer loyalty& ;& ;For Corporate leaders& ;- Attract the talent that fuels business strategy& ;- Align employees with business goals& ;- Create your competitive advantage

Haematological Aspects of Systemic Disease Jul 16 2021 Intended for haematologists and for general physicians, this book describes changes which occur in the blood secondary to other systemic diseases, clinical observation and laboratory investigation.

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