

Data Toggle Widget

Daniel Reis

Pro Salesforce Analytics Cloud William Smith, Helen Sun, 2015-12-31 In this age of data economy, data analytics is recognized as a key differentiator for companies trying to gain a sustainable competitive advantage and outperform their peers. However, the complexity of establishing an analytical architecture due to a wide array of disparate technical capabilities offered by a plethora of vendors makes the deployment of an on-premise solution a daunting task. For this reason, the Salesforce Analytics Cloud has captured the imagination from of both IT and business communities. The Salesforce Analytics Cloud represents the rethinking of analytics for the business user. The Analytics Cloud is a cloud-based platform designed for the business user to have access to analytics on the go, providing answers to questions instantly on any device. This mobile-ready capability of the Salesforce Analytics Cloud means users can immediately collaborate and share insights with team members right inside Salesforce. Pro Salesforce Analytics Cloud provides actionable guidance on creating analytical capabilities using Salesforce Analytics Cloud. The book offers: pulliA practical guide to Salesforce Analytics Cloud, including Wave Platform, Builder, and Explorer./liliDetailed business analytics use cases in various industries (e.g., retail, healthcare, financial services, and telecommunications)./liliArchitecture and best practices for integration, security, hybrid cloud coexistence, and governance./liulpemPro Sal/p/em/pesforce Analytics Cloud /emis the first comprehensive book on Salesforce Analytics and provides a holistic architecture view of different analytical capabilities and how they fit into the overall information architecture. It features real-world industry use cases and demonstrates how Salesforce's Analytics Cloud solves business challenges and brings real value to the organization.

Building Mobile Applications Using Kendo UI Mobile and ASP.NET Web API Nishanth Nair, Ragini Kumbhat Bhandari, 2013-09-13 The Packt Beginner's Guide format is designed to make you as comfortable as possible. Using practical examples, this guide will walk you through the ins and outs of web application development with easy step-by-step instructions. If you want to build your own application but don't know where to start, then this is the book for you. With easy-to-follow, step-by-step and real-life examples, you will be building your own applications in a matter of weeks not years.

Mastering Adobe Commerce Frontend Jakub Winkler, 2024-03-29 A comprehensive guide to Adobe Commerce storefront development covering theme creation, customization, JavaScript usage, and optimization techniques for optimal customer satisfaction Key Features Learn techniques for customizing templates and layouts for an optimal user experience Use the command-line interface for efficient and streamlined theme development and deployment Implement best practices for using JavaScript and frontend optimization techniques for improved performance and customer satisfaction Purchase of the print or Kindle book includes a free PDF eBook Book Description Navigating the frontend realm of the Adobe Commerce platform can often feel like a labyrinth, given its multifaceted systems and intricate layering. This book demystifies Adobe Commerce frontend development, guiding you through its paths with clarity and precision. You'll learn how to set up your local environment, paving the way for a smooth development experience and navigate the platform's theming ecosystem, exploring layout XML systems and the power of templates. As you progress through the book, you'll leverage an array of JavaScript libraries and frameworks that Adobe Commerce boasts of, with special emphasis on RequireJS, jQuery, Knockout.js, and UI Components. Additionally, you'll gain an understanding of the intricacies of Adobe Commerce CMS, explore frontend-related configurations in the admin panel, and unlock the secrets of frontend optimization. Practical exercises provided in the book will enable you to create top-notch Adobe Commerce sites that are functional, optimized, user-centric, and a step ahead in the ever-evolving frontend landscape. What you will learn Set up your own Dockerized environment in the Adobe Commerce platform Customize page structure using Layout XML, templates, and a fallback system Build and personalize system emails to match website themes Work with various JavaScript frameworks and libraries in the project Create and manage content using the Adobe Commerce CMS system Validate your solutions with the practical examples provided Who this book is for The book is ideal for storefront developers proficient in frontend technologies such as HTML, CSS, and JavaScript, aiming to

broaden their knowledge of Adobe Commerce and Magento Open Source applications. If you've encountered challenges with frontend development for Adobe Commerce and struggled to find solutions online, this book is tailored to assist you.

[X Toolkit Intrinsic's Reference Manual R5](#) David Flanagan,1992-08 The X Toolkit Intrinsic's Reference Manual is a complete programmer's reference for the X Toolkit. It provides reference pages for each of the Xt functions as well as the widget classes defined by Xt and the Athena widgets. This volume is based on Xt documentation from the X Consortium and has been re-edited, reorganized, and expanded. Contents include: Reference pages for each of the Xt Intrinsic's and macros, organized alphabetically for ease of use. Reference pages for the interface definitions of functions registered using other Xt functions. Reference pages for the Core, Composite, and Constraint widget methods. Reference pages for the Object, RectObj, Core, Composite, Constraint, and Shell widget classes defined by Xt. Reference pages for Athena widget classes. Reference pages for Xt-related Xmu functions. Permuted index. Many appendices and quick reference aids. The third edition of Volume 5 has been completely revised. In addition to covering Release 4 and Release 5 of X, all the man pages have been completely rewritten for clarity and ease of use, and new examples and descriptions have been added throughout the book. This manual is a companion to Volume 4M, X Toolkit Intrinsic's Programming Manual.

Odoo 12 Development Cookbook Parth Gajjar,Alexandre Fayolle,Holger Brunn,Daniel Reis,2019-04-27 Build customized solutions for your business using the latest features of Odoo 12 and Python Key FeaturesGet up to speed with Odoo 12 to create custom and reusable modulesInterconnect your application with other systems by implementing web APIsUnderstand the mechanisms powering the Odoo framework and Odoo.sh to build robust enterprisesBook Description Odoo is a powerful framework known for rapid application development. Its latest release, Odoo 12, introduces tons of new features. With this book, you'll learn how to develop powerful Odoo applications from scratch, using all the latest features. This Odoo cookbook starts by covering Odoo installation and deployment on the server. Next, you'll explore the Odoo framework with real-world examples. You'll create a new Odoo module from the ground up and progress to advanced framework concepts. You'll also learn how to modify existing applications, including Point of Sale (POS). This book is not just limited to backend development; the advanced JavaScript recipes for creating new views and widgets will help you build beautiful UI elements. As you move forward, you'll gain insights into website development and become a quality Odoo developer by studying performance optimization, debugging, and automated tests. Finally, you'll learn the latest concepts like multi-website, In-App Purchasing (IAP), Odoo.sh, and IoT Box. By the end of the book, you'll have all the knowledge you need to build powerful Odoo applications. The development best practices used in this book will undoubtedly come handy when you are working with the Odoo framework. What you will learnDevelop a module in the Odoo framework and modify the existing flow of any applicationBuild dynamic websites with Odoo CMSCreate and modify backend JavaScript components in Odoo and POSConnect and access any object in Odoo via Remote Procedure Calls (RPC)Illustrate the different tools available in Odoo to implement business processes for your recordsImplement in-app purchase servicesManage, deploy, and test an Odoo instance with the PaaS Odoo.shConfigure IoT Box to add and upgrade Point of Sale (POS) hardwareWho this book is for If you're a Python developer who wants to develop highly efficient business applications with the latest Odoo framework, or if you just want a solution guide for all your Odoo development issues, this book is for you. Some JavaScript programming and web development experience is necessary to get the most out of this book.

Data Analysis with Python David Taieb,2018-12-31 Learn a modern approach to data analysis using Python to harness the power of programming and AI across your data. Detailed case studies bring this modern approach to life across visual data, social media, graph algorithms, and time series analysis. Key FeaturesBridge your data analysis with the power of programming, complex algorithms, and AIUse Python and its extensive libraries to power your way to new levels of data insightWork with AI algorithms, TensorFlow, graph algorithms, NLP, and financial time seriesExplore this modern approach across with key industry case studies and hands-on projectsBook Description Data Analysis

with Python offers a modern approach to data analysis so that you can work with the latest and most powerful Python tools, AI techniques, and open source libraries. Industry expert David Taieb shows you how to bridge data science with the power of programming and algorithms in Python. You'll be working with complex algorithms, and cutting-edge AI in your data analysis. Learn how to analyze data with hands-on examples using Python-based tools and Jupyter Notebook. You'll find the right balance of theory and practice, with extensive code files that you can integrate right into your own data projects. Explore the power of this approach to data analysis by then working with it across key industry case studies. Four fascinating and full projects connect you to the most critical data analysis challenges you're likely to meet in today. The first of these is an image recognition application with TensorFlow – embracing the importance today of AI in your data analysis. The second industry project analyses social media trends, exploring big data issues and AI approaches to natural language processing. The third case study is a financial portfolio analysis application that engages you with time series analysis - pivotal to many data science applications today. The fourth industry use case dives you into graph algorithms and the power of programming in modern data science. You'll wrap up with a thoughtful look at the future of data science and how it will harness the power of algorithms and artificial intelligence. What you will learn

A new toolset that has been carefully crafted to meet for your data analysis challenges

Full and detailed case studies of the toolset across several of today's key industry contexts

Become super productive with a new toolset across Python and Jupyter Notebook

Look into the future of data science and which directions to develop your skills next

Who this book is for This book is for developers wanting to bridge the gap between them and data scientists. Introducing PixieDust from its creator, the book is a great desk companion for the accomplished Data Scientist. Some fluency in data interpretation and visualization is assumed. It will be helpful to have some knowledge of Python, using Python libraries, and some proficiency in web development.

Odoo 12 Development Essentials Daniel Reis, 2018-12-28 Extend your skills with Odoo 12 to build resourceful and open source business applications

Key Features

- Explore Odoo 12 capabilities to develop business applications
- Program business logic and manipulate data to implement specific business rules in your applications
- Integrate Python APIs for building customizable and scalable business logic

Book Description Odoo is one of the best platforms for open source ERP and CRM. Its latest version, Odoo 12, brings with it new features and updates in Python packages to develop more customizable applications with additional cloud capabilities. The book begins by covering the development essentials for building business applications. You will start your journey by learning how to install and configure Odoo, and then transition from having no specific knowledge of Odoo to being ready for application development. You will develop your first Odoo application and understand topics such as models and views. Odoo 12 Development Essentials will also guide you in using server APIs to add business logic, helping you lay a solid foundation for advanced topics. As you progress through the chapters, you will be equipped to build and customize your applications and explore the new features in Odoo 12, such as cloud integration, to scale your business applications. You will get insights into building business logic and integrating various APIs into your application. By the end of the book, you will be able to build a business application from scratch by using the latest version of Odoo. What you will learn

- Manage Odoo server instances
- Create a new Odoo application from scratch using the most frequently used elements
- Develop new models and use inheritance to extend existing models
- Use ORM methods in the Odoo server and from external clients
- Create Kanban views using QWeb effectively
- Build custom web and website CMS pages
- Use external APIs to integrate Odoo with external applications
- Add automated tests and techniques to debug module business logic

Who this book is for If you are a developer familiar with Python and MVC design and want to build business applications using Odoo, this book is for you.

Palm webOS Mitch Allen, 2009-07-28 A Note from the Author and from O'Reilly Media about what this book does--and doesn't--do: Palm webOS is a brand new platform and represents a very different type of operating system where the web runtime is used as the basis for the UI and Application model. Palm and O'Reilly felt that it was important to have a book available to help developers get a basic understanding of the new Palm platform at the time that the SDK was released; this timing played a

major role in the content and structure of the book. Ideally this book would have been a complete reference of the new platform but that wasn't possible since the content was written at the same time as the software SDK was being developed by the Palm engineering team. The book does provide a complete overview of Palm webOS, a thorough description of the application model and gives details on many key design concepts. There are descriptions and examples of UI widgets, services, storage, notifications, dashboards and background applications, serving as a great introduction but not as a definitive source. The book uses a simple News reader application to illustrate the technical descriptions but the examples are not intended to serve as a cookbook tutorial. Experienced developers should be able to use the examples to build up a working application chapter by chapter but others may not find the loose descriptions adequate for recreating the application unaided. Over time, these different needs will be filled by other books, but in the meantime we hope that this book will serve a valuable role introducing developers to webOS and giving them a way of getting started with webOS application development. A second printing of the book will update any original coverage obsoleted by subsequent Mojo SDK builds. For owners of the original printing of the book, all of these updates are posted on the View/Submit Errata link (please see left-hand column of this web page). Thanks for understanding that book publishing and coverage of rapidly moving technologies can sometimes be an inexact science; we knew there'd be a need for a book such as *Palm webOS: The Insider's Guide to Developing Applications in JavaScript using the Palm MojoT Framework*, and there's certainly no better person to write that book than Mitch Allen; that said, we understand that because it is such a new operating system and SDK, there would (and will continue to be) changes that at best can't be documented and explored until new printings of the books are released. In the meantime we will be diligent in posting updates to this book's O'Reilly Media catalog page.

Description This is the official guide to building native JavaScript applications for Palm's new mobile operating system, Palm® webOS™. Written by Palm's software chief technology officer along with the Palm webOS development team, Palm webOS provides a complete tutorial on the design principles, architecture, UI, tools, and services necessary to develop webOS applications—including the Mojo JavaScript framework and Palm's SDK. Palm webOS is designed to support a fast and superb user experience using established web standards, so if you're familiar with HTML, CSS, and JavaScript, you're ready to build applications for any webOS-based device, including the Palm Pre. You'll gain expertise, chapter by chapter, as you build a working mobile application through the course of the book. You'll also learn how to extend existing web apps to work with the new generation of mobile phones. Get a thorough overview of the webOS platform and architecture Understand the critical concepts for application design: what separates webOS from other web and mobile platforms Learn the details of Mojo's development tools and SDK for building and testing mobile applications Examine best practices, important considerations, and guiding principles for developing with webOS and the Mojo framework

Python Data Analysis Cookbook Ivan Idris, 2016-07-22 Over 140 practical recipes to help you make sense of your data with ease and build production-ready data apps About This Book Analyze Big Data sets, create attractive visualizations, and manipulate and process various data types Packed with rich recipes to help you learn and explore amazing algorithms for statistics and machine learning Authored by Ivan Idris, expert in python programming and proud author of eight highly reviewed books Who This Book Is For This book teaches Python data analysis at an intermediate level with the goal of transforming you from journeyman to master. Basic Python and data analysis skills and affinity are assumed. What You Will Learn Set up reproducible data analysis Clean and transform data Apply advanced statistical analysis Create attractive data visualizations Web scrape and work with databases, Hadoop, and Spark Analyze images and time series data Mine text and analyze social networks Use machine learning and evaluate the results Take advantage of parallelism and concurrency In Detail Data analysis is a rapidly evolving field and Python is a multi-paradigm programming language suitable for object-oriented application development and functional design patterns. As Python offers a range of tools and libraries for all purposes, it has slowly evolved as the primary language for data science, including topics on: data analysis, visualization, and machine

learning. Python Data Analysis Cookbook focuses on reproducibility and creating production-ready systems. You will start with recipes that set the foundation for data analysis with libraries such as matplotlib, NumPy, and pandas. You will learn to create visualizations by choosing color maps and palettes then dive into statistical data analysis using distribution algorithms and correlations. You'll then help you find your way around different data and numerical problems, get to grips with Spark and HDFS, and then set up migration scripts for web mining. In this book, you will dive deeper into recipes on spectral analysis, smoothing, and bootstrapping methods. Moving on, you will learn to rank stocks and check market efficiency, then work with metrics and clusters. You will achieve parallelism to improve system performance by using multiple threads and speeding up your code. By the end of the book, you will be capable of handling various data analysis techniques in Python and devising solutions for problem scenarios. Style and Approach The book is written in "cookbook" style striving for high realism in data analysis. Through the recipe-based format, you can read each recipe separately as required and immediately apply the knowledge gained.

IPython Interactive Computing and Visualization Cookbook Cyrille Rossant, 2014-09-25 Intended to anyone interested in numerical computing and data science: students, researchers, teachers, engineers, analysts, hobbyists... Basic knowledge of Python/NumPy is recommended. Some skills in mathematics will help you understand the theory behind the computational methods.

jQuery Mobile Web Development Essentials Raymond Camden, Andy Matthews, 2016-03-28 Build a powerful and practical jQuery-based framework in order to create mobile-optimized websites About This Book Build websites with jQuery Mobile that work beautifully across a wide range of mobile devices Become a competent jQuery Mobile developer and learn the building blocks of jQuery Mobile's component-driven design This book covers key concepts but with a focus on providing the practical skills required Who This Book Is For This book is for any web developer who is looking to create mobile-optimized websites. Basic knowledge of HTML is required. Minor familiarity with JavaScript would help but is not required. What You Will Learn Create mobile-optimized sites using simple HTML Structure your sites so users can browse them on mobile devices Find out how to work with multiple pages in the JQM framework and embed multiple pages in HTML files Enhance simple pages using various toolbars Include mobile-optimized forms for interactive sites Convert desktop sites into mobile versions Use HTML5's local storage feature in jQuery Mobile to include persistent client-side storage Explore the rich sets of widgets and themes available and discover how to modify them for use in your jQuery Mobile site In Detail jQuery Mobile is a HTML5-based touch-optimized web framework. jQuery Mobile can be used to build responsive cross-platform websites and apps for a wide range of smartphones, tablets, and desktop devices. The jQuery Mobile framework can be integrated with other mobile app frameworks such as PhoneGap, IBM Worklight, and more. Introduction to jQuery Mobile explains how to add the framework to your HTML pages to create rich, mobile-optimized web pages with minimal effort. You'll learn how to use jQuery Mobile's automatic enhancements and configure the framework for customized, powerful mobile-friendly websites. We then dig into forms, events, and styling. You'll see how jQuery Mobile automatically enhances content, and will find out how to use the JavaScript API to build complex sites. We'll introduce you to how jQuery Mobile can be themed as well looking into how JavaScript can be used for deep sets of customizations. The examples are ready to run and can be used to help kick-start your own site. Along the way, you will leverage all the concepts you learn to build three sample mobile applications. Style and approach Through a set of easy to follow instructions, we'll show you how to use jQuery Mobile's features one easy-to-use widget at a time. You'll see examples for each feature as well as screenshots to demonstrate what they should look like on a mobile device. You can then take these example files and modify them as you learn to experiment.

Odoo 10 Development Essentials Daniel Reis, 2016-11-30 Fast-track your development skills to build powerful Odoo 10 business applications About This Book Get the most up-to-date guide on Odoo 10 and learn how to build excellent business applications with Odoo This example-rich, easy-to-follow guide enables you to build apps appropriate to your business needs Create solid business applications with the help of this precise, to-the-point guide Who This Book Is For This book caters to developers

who are familiar with Python and MVC design and now want to build effective business applications using Odoo. What You Will Learn Install Odoo from source code and use all the basic techniques to setup and manage your Odoo server instances Create your first Odoo application Add Odoo's social and messaging features to your own modules Get to know the essentials of Models and Views Understand and use the server API to add business logic Use Qweb to create custom Reports Extend Odoo CMS features to create your own website controllers and pages Leverage Odoo Workflows on your applications Write module automated tests and debugging techniques Deploy your Odoo applications for production use In Detail Odoo is one of the fastest growing open source, business application development software products available. With announcement of Odoo 10, there are many new features added to Odoo and the face of business applications developed with Odoo has changed. This book will not only teach you how to build and customize business applications with Odoo, but it also covers all the new features that Odoo has to offer. This book is the latest resource on developing and customizing Odoo 10 applications. It comes packed with much more and refined content than its predecessor. It will start with building business applications from scratch and will cover topics such as module extensions, inheritance, working with data, user interfaces, and so on. The book also covers the latest features of Odoo 10, in addition to front end development, testing and debugging techniques. The book will also talk about Odoo Community and Odoo Enterprise. Style and approach This book follows a step-by-step practical approach where you will learn new concepts with every progressing chapter and create apps for business development.

Odoo 11 Development Essentials Daniel Reis, 2018-03-29 Fast track your development skills to build resourceful, open-source business applications with Odoo 11 Key Features Discover the latest technical capabilities in Odoo 11 while you build your own app Program business logic and manipulate data to implement specific business rules in your applications Implement automated tests to add modules and techniques and debug module business logic Book Description Odoo continues to gain worldwide momentum as the best platform for open source ERP installations. Now, with Odoo 11, you have access to an improved GUI, performance optimization, integrated in-app purchase features, and a fast-growing community to help transform and modernize your business. With this practical guide, you will cover all the new features that Odoo 11 has to offer to build and customize business applications, focusing on the publicly available community edition. We begin with setting up a development environment, and as you make your way through the chapters, you will learn to build feature-rich business applications. With the aim of jump-starting your Odoo proficiency level, from no specific knowledge to application development readiness, you will develop your first Odoo application. We then move on to topics such as models and views, and understand how to use server APIs to add business logic, helping to lay a solid foundation for advanced topics. The book concludes with Odoo interactions and how to use the Odoo API from other programs, all of which will enable you to efficiently integrate applications with other external systems. What you will learn Install Odoo from source Manage Odoo server instances Create a new Odoo application from scratch covering the most frequently used elements Develop new models and use inheritance to extend/modify existing models Use ORM methods, both in the Odoo server and from external clients Create Kanban views using QWeb effectively Develop custom web and website CMS pages Use external API to integrate Odoo with external applications Who this book is for Odoo 11 Development Essentials caters to developers who are familiar with Python and MVC design and now want to build effective business applications using Odoo.

Odoo 14 Development Cookbook Parth Gajjar, Alexandre Fayolle, Holger Brunn, Daniel Reis, 2020-12-24 With over 200 recipes covering real-world examples, take your Odoo development skills to the next level and solve complex business problems using this guide Key Features Learn to develop new modules and modify existing modules using the Odoo framework Explore key concepts of the Odoo framework to build robust business applications Create dynamic websites with snippets and learn to deploy an Odoo instance on the server or Odoo.sh Book Description With its latest iteration, the powerful Odoo framework released a wide variety of features for rapid application development. This updated Odoo development cookbook will help you explore the new features in Odoo 14 and

learn how to use them to develop Odoo applications from scratch. You'll learn about the new website concepts in Odoo 14 and get a glimpse of Odoo's new web-client framework, the Odoo Web Library (OWL). Once you've completed the installation, you'll begin to explore the Odoo framework with real-world examples. You'll then create a new Odoo module from the ground up and progress to advanced framework concepts. You'll also learn how to modify existing applications, including Point of Sale (POS) applications. This book isn't just limited to backend development; you'll discover advanced JavaScript recipes for creating new views and widgets. As you progress, you'll learn about website development and become a quality Odoo developer by studying performance optimization, debugging, and automated testing. Finally, you'll delve into advanced concepts such as multi-website, In-App Purchasing (IAP), Odoo.sh, the IoT Box, and security. By the end of the book, you'll have all the knowledge you need to build impressive Odoo applications and you'll be well versed in development best practices that will come in handy when working with the Odoo framework. What you will learn Build beautiful websites with Odoo CMS using dynamic building blocks Get to grips with advanced concepts such as caching, prefetching, debugging Modify backend JavaScript components and POS applications with the new OWL framework Connect and access any object in Odoo via Remote Procedure Calls (RPC) Manage, deploy, and test an Odoo instance with Odoo.sh Configure IoT Box to add and upgrade Point of Sale (POS) hardware Find out how to implement in-app purchase services Who this book is for This book is suitable for both newcomers and experienced Odoo developers who want to develop a highly efficient business application with the Odoo framework. Basic knowledge of Python and JavaScript is necessary to get the most out of the book.

Arduino IoT Cloud for Developers Muhammad Afzal, 2023-11-30 Understand essential IoT concepts to build smart IoT projects at reduced costs using the Arduino IoT Cloud platform, Arduino, ESP32 series boards, Amazon Alexa Voice Assistant, and MQTT-135 with this practical guide Key Features Learn about the Arduino IoT Cloud from scratch with hands-on projects Gain a solid understanding of IoT application development from basics to advanced features Explore the Arduino IoT Cloud's capabilities for commercial IoT solutions in depth Purchase of the print or Kindle book includes a free PDF eBook Book Description The Arduino IoT Cloud offers a variety of features for building modern IoT solutions while reducing time and costs for prototyping and deployment. This book is a step-by-step guide, helping you master the powerful Arduino IoT Cloud ecosystem. This book begins by introducing you to the IoT landscape including its architecture, communication technologies, and protocols and then to the capabilities of the Arduino IoT Cloud platform and the Cloud Editor. With practical projects, such as monitoring air quality, building a portable asset tracker, and creating a remote alarm system using the LoRaWAN specification, you'll learn how to implement real-world IoT applications. Next, you'll explore communication between IoT devices and cloud platforms as well as the implementation of the Arduino IoT Cloud SDK and JavaScript for advanced customization. You'll also find out how to program IoT nodes, analyze the surrounding environment data, and visualize it on dashboards. Additionally, you'll get to grips with advanced features such as task scheduling, synchronization, remote over-the-air updates for IoT nodes, and scripting with CCLI, through hands-on examples. By the end of this book, you'll have learned how to work with the Arduino IoT Cloud platform and related hardware devices and will be able to develop industry-specific and cost-effective IoT solutions, such as smart homes and smart agriculture. What you will learn Gain a solid understanding of IoT fundamentals and concepts Build creative IoT projects using Arduino MKR boards, Pulse sensors, and more Master various communication technologies, including LoRaWAN and 3G/4G Harness data exchange between IoT devices and cloud platforms using Zapier or IFTTT Explore advanced features like scheduling, over-the-air updates, and scripting Understand easy-to-sync properties across multiple devices with no-code Develop voice-assisted home automation and heart rate tracking applications Who this book is for This book is for aspiring IoT developers and seasoned professionals eager to harness the potential of Arduino and cloud integration as well as technology enthusiasts, students, and hobbyists interested in experimenting with IoT technologies. Prior knowledge of basic electronics and embedded systems, cloud computing, Arduino, and programming languages like C and JavaScript is needed.

X Toolkit J. McCormack,1990

MicroPython for the Internet of Things Charles Bell,2024-02-29 This book will help you quickly learn to program for microcontrollers and IoT devices without a lot of study and expense. MicroPython and controllers that support it eliminate the need for programming in a C-like language, making the creation of IoT applications and devices easier and more accessible than ever. MicroPython for the Internet of Things is ideal for readers new to electronics and the world of IoT. Specific examples are provided covering a range of supported devices, sensors, and MicroPython boards such as the Raspberry Pi Pico and the Arduino Nano Connect RP2040 board. Programming for microcontrollers has never been easier. The book takes a practical and hands-on approach without a lot of detours into the depths of theory. It'll show you a faster and easier way to program microcontrollers and IoT devices, teach you MicroPython, a variant of one of the most widely used scripting languages, and is written to be accessible to those new to electronics. After completing this book, and its fun example projects, you'll be ready to ready to use MicroPython to develop your own IoT applications. What You Will Learn Program in MicroPython Understand sensors and basic electronics Develop your own IoT projects Build applications for popular boards such as Raspberry Pi Pico and Arduino Nano Connect RP2040 Load MicroPython on compatible boards Interface with hardware breakout boards Connect hardware to software through MicroPython Explore connecting your microcontroller to the cloud Develop IoT projects for the cloud Who This Book Is For Anyone interested in building IoT solutions without the heavy burden of programming in C++ or C. The book also appeals to those wanting an easier way to work with hardware than is provided by platforms that require more complex programming environments.

Federal Information Processing Standards Publication ,1988

Pro jQuery 2.0 Adam Freeman,2013-11-26 jQuery 2.0 is the latest version of the jQuery framework. Suitable for modern web browsers it provides a robust API for web application development. It is fast becoming the tool of choice for web developers the world over and sets the standard for simplicity,flexibility and extensibility in website design. In Pro jQuery 2.0 seasoned author, Adam Freeman, demonstrates how to get the most from jQuery 2.0 by focussing on the practical features of the technology and how they can be applied to solving real-world problems. In this comprehensive reference he goes in depth to give you the practical knowledge that you need. Each topic is covered clearly and concisely, and is packed with the details you'll need to learn to be truly effective. The most important features are given a no-nonsense, in-depth treatment, and chapters contain examples that demonstrate both the power and the subtlety of jQuery.

Odoo 15 Development Essentials Daniel Reis,Greg Mader,2022-02-25 Become a proficient Odoo developer and increase your productivity while building Odoo business applications Key FeaturesSet up the Odoo development environment and learn how to test and debug your codeUse the ORM framework to work with data and implement business logic supporting business rulesDesign user interfaces, web pages, and business reports using the Odoo framework's web componentsBook Description Odoo is fast becoming the reference open source platform for business applications thanks to the fact that it provides the infrastructure needed for developers to deliver software solutions for any business process quickly. Odoo's layered module approach makes it particularly effective for combining and extending features. This updated fifth edition is a tutorial-style introduction to essential Odoo development topics. The book starts by covering the development essentials for building business applications and takes you through Odoo installation and configuration, gradually transitioning from having no specific knowledge of Odoo to being ready for application development. You'll then learn how to develop your first Odoo application, while covering topics such as models and views. Later chapters will get you up to speed with using server APIs to add business logic, helping you lay a solid foundation for advanced topics. As you progress, you'll get equipped to build and customize your applications and explore the new features available in Odoo 12 and beyond, such as in-memory ORM and computed writable fields. Finally, you'll gain insights into building business logic and using the Odoo API to integrate with various applications. By the end of this book, you'll be able to build business apps from scratch using the latest version of Odoo. What

you will learnInstall Odoo from source and organize the development environmentCreate your first Odoo app from scratchUnderstand the application components available in OdooStructure the application's data model using ORM featuresUse the ORM API to implement the business logic layerDesign a graphical user interface (GUI) for the web client and websiteUse the Odoo External API to interface with external systemsDeploy and maintain your application in production environmentsWho this book is for This book is for developers who want to learn Odoo application development and quickly become productive while creating business applications. Teachers, trainers, and Odoo team managers will also find the book useful for helping their students or trainees to learn Odoo development skills. Basic knowledge of Python programming is required to get started with the book

Eventually, you will definitely discover a other experience and achievement by spending more cash. nevertheless when? complete you agree to that you require to acquire those every needs later than having significantly cash? Why dont you attempt to get something basic in the beginning? Thats something that will lead you to understand even more vis--vis the globe, experience, some places, once history, amusement, and a lot more?

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