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OSBORN MCMAHON

Guide to Web Development with Java "O'Reilly Media, Inc."
Beginning Database Design, Second Edition provides short, easy-to-read explanations of how to get database design right the first time. This book offers numerous examples to help you avoid the many pitfalls that entrap new and not-so-new database designers. Through the help of use cases and class diagrams modeled in the UML, you'll learn to discover and represent the details and scope of any design problem you choose to attack. Database design is not an exact science. Many are surprised to find that problems with their databases are caused by poor design rather than by difficulties in using the database management software. Beginning Database Design, Second Edition helps you ask and answer important questions about your data so you can understand the problem you are trying to solve and create a pragmatic design capturing the essentials while leaving the door open for refinements and extension at a later stage. Solid database design principles and examples help demonstrate the consequences of simplifications and pragmatic decisions. The rationale is to try to keep a design simple, but allow room for development as situations change or resources permit. Provides solid design principles by which to avoid pitfalls and support changing needs Includes numerous examples of good and bad design decisions and their consequences Shows a modern method for documenting design using the Unified Modeling Language

Developing Web Applications Springer Nature

Jython is an open source implementation of the high-level, dynamic, object-oriented scripting language Python seamlessly integrated with the Java platform. The predecessor to Jython, JPython, is certified as 100% Pure Java. Jython is freely available for both commercial and noncommercial use and is distributed with source code. Jython is complementary to Java. The Definitive Guide to Jython, written by the official Jython team leads, covers Jython 2.5 (or 2.5.x)—from the basics to more advanced features.

This book begins with a brief introduction to the language and then journeys through Jython's different features and uses. The Definitive Guide to Jython is organized for beginners as well as advanced users of the language. The book provides a general overview of the Jython language itself, but it also includes intermediate and advanced topics regarding database, web, and graphical user interface (GUI) applications; Web services/SOA; and integration, concurrency, and parallelism, to name a few. Pro Netbeans IDE 6 Rich Client Platform Edition "O'Reilly Media, Inc."

Start building Java-based web applications now, even if you're a complete newcomer to Java. Comprehensive and example-driven, this book is all you need to develop dynamic Java-based web applications using JSP, connect to databases with JSF, and put them into action using the popular open source Java web server, Apache Tomcat. Beginning Jakarta EE Web Development is a comprehensive introduction to building Java-based web applications using JavaServer Pages (JSP) using Jakarta Server Pages, JavaServer Faces (JSF) using Jakarta Server Faces, and the Apache Tomcat web application server. Other APIs including JSON and the XML-based job specification language (JSL) are covered along the way. Key concepts are made easy to grasp with numerous working examples and a walk-through of the development of a complete ecommerce project. This book is written for professionals by practicing Java web application professionals and experts. What You Will Learn Build Java-based web applications using JSP and JSF with Eclipse Jakarta EE Use the new Jakarta Server Faces APIs to create JSF applications Work with the new Jakarta Server Pages APIs to create JSPs Integrate and implement JSF and JSP together Build an online ecommerce web application along the way Who This Book Is For Programmers new to programming in Java and programming in general. *Beginning JSP, JSF and Tomcat Web Development* "O'Reilly Media, Inc."

This comprehensive Guide to Web Development with Java introduces the readers to the three-tiered, Model-View-Controller architecture by using Spring JPA, JSPs, and Spring MVC controllers. These three technologies use Java, so that a student with a

background in programming will be able to master them with ease, with the end result of being able to create web applications that use MVC, validate user input, and save data to a database. Topics and features: • Presents web development topics in an accessible, easy-to-follow style, focusing on core information first, and allowing the reader to gain basic understanding before moving forwards • Contains many helpful pedagogical tools for students and lecturers, such as questions and exercises at the end of each chapter, detailed illustrations, chapter summaries, and a glossary • Uses existing powerful technologies that are freely available on the web to speed up web development, such as Spring Boot, Spring MVC, Spring JPA, Hibernate, JSP, JSTL, and Java 1.8 • Discusses HTML, HTML forms, and Cascading Style Sheets • Starts with the simplest technology for web development (JSP) and gradually introduces the reader to more complex topics • Introduces core technologies from the outset, such as the Model-View-Controller architecture • Includes examples for accessing common web services • Provides supplementary examples and tutorials

Java EE Web Application Primer Cambridge University Press
Looking to study up for the new J2EE 1.5 Sun Certified Web Component Developer (SCWCD) exam? This book will get you way up to speed on the technology you'll know it so well, in fact, that you can pass the brand new J2EE 1.5 exam. If that's what you want to do, that is. Maybe you don't care about the exam, but need to use servlets and JSPs in your next project. You're working on a deadline. You're over the legal limit for caffeine. You can't waste your time with a book that makes sense only AFTER you're an expert (or worse, one that puts you to sleep). Learn how to write servlets and JSPs, what makes a web container tick (and what ticks it off), how to use JSP's Expression Language (EL for short), and how to write deployment descriptors for your web applications. Master the c: out tag, and get a handle on exactly what's changed since the older J2EE 1.4 exam. You don't just pass the new J2EE 1.5 SCWCD exam, you'll understand this stuff and put it to work immediately. Head First Servlets and JSP doesn't just give you a bunch of facts to memorize; it drives knowledge straight into your brain. You'll interact with servlets and JSPs in

ways that help you learn quickly and deeply. And when you're through with the book, you can take a brand-new mock exam, created specifically to simulate the real test-taking experience.

Modular Programming in Java 9 Apress

Learn how to build scalable, resilient, and effective applications in Java that suit your software requirements. Key Features Explore advanced technologies that Java 11 delivers such as web programming and parallel computing Discover modern programming paradigms such as microservices, cloud computing and enterprise structures Build highly responsive applications with this practical introduction to Reactive programming Book Description Java is one of the most commonly used software languages by programmers and developers. In this book, you'll learn the new features of Java 11 quickly and experience a simple and powerful approach to software development. You'll see how to use the Java runtime tools, understand the Java environment, and create a simple namesorting Java application. Further on, you'll learn about advanced technologies that Java delivers, such as web programming and parallel computing, and will develop a mastermind game. Moving on, we provide more simple examples, to build a foundation before diving into some complex data structure problems that will solidify your Java 11 skills. With a special focus on the features of new projects: Project Valhalla, Project Panama, Project Amber, and Project Loom, this book will help you get employed as a top-notch Java developer. By the end of the book, you'll have a firm foundation to continue your journey toward becoming a professional Java developer. What you will learn Compile, package, and run a program using a build management tool Get to know the principles of test-driven development Separate the wiring of multiple modules from application logic Use Java annotations for configuration Master the scripting API built into the Java language Understand static versus dynamic implementation of code Who this book is for This book is for anyone who wants to learn the Java programming language.

No programming experience required. If you have prior experience, it will help you through the book more easily.

Java Frameworks and Components Packt Publishing Ltd

Discover the latest features of Spring framework by building robust, fast, and reactive web applications Key Features Take advantage of all the features of Spring 5.0 with third party tools to build a robust back end Secure Spring based web application using

Spring Security framework with LDAP and OAuth protocol Develop robust and scalable microservice based applications on Spring Cloud, using Spring Boot Book Description Spring makes it easy to create RESTful applications, merge with social services, communicate with modern databases, secure your system, and make your code modular and easy to test. With the arrival of Spring Boot, developers can really focus on the code and deliver great value, with minimal contour. This book will show you how to build various projects in Spring 5.0, using its features and third party tools. We'll start by creating a web application using Spring MVC, Spring Data, the World Bank API for some statistics on different countries, and MySQL database. Moving ahead, you'll build a RESTful web services application using Spring WebFlux framework. You'll be then taken through creating a Spring Boot-based simple blog management system, which uses Elasticsearch as the data store. Then, you'll use Spring Security with the LDAP libraries for authenticating users and create a central authentication and authorization server using OAuth 2 protocol. Further, you'll understand how to create Spring Boot-based monolithic application using JHipster. Toward the end, we'll create an online book store with microservice architecture using Spring Cloud and Netflix OSS components, and a task management system using Spring and Kotlin. By the end of the book, you'll be able to create coherent and flexible real-time web applications using Spring Framework. What you will learn Build Spring based application using Bootstrap template and JQuery Understand the Spring WebFlux framework and how it uses Reactor library Interact with Elasticsearch for indexing, querying, and aggregating data Create a simple monolithic application using JHipster Use Spring Security and Spring Security LDAP and OAuth libraries for Authentication Develop a microservice-based application with Spring Cloud and Netflix Work on Spring Framework with Kotlin Who this book is for This book is for competent Spring developers who wish to understand how to develop complex yet flexible applications with Spring. You must have a good knowledge of Java programming and be familiar with the basics of Spring.

Spring 5.0 Projects Packt Publishing Ltd

This book will save Java developers countless hours of development time by providing seven complete Ajax applications to learn from and adapt for use in their own projects. The

applications include an online calendaring/scheduling system, a FlickrTM-style photo gallery application, and an Ajax role-playing game. The book also details the set-up of a perfect Java/Ajax development environment in which to construct the applications; Java technologies covered include Apache, Ant, Ajax Tags, Struts, Prototype, DWR, Dojo, and more. This is the first book of its kind, aimed at Java/Ajax developers.

Professional Java for Web Applications John Wiley & Sons

Design, build, and deploy performant and maintainable web applications using Spring, Spring Boot, and Angular Key Features Find solutions to common problems faced while developing applications with Angular and Spring Boot Explore tips, tricks, and best practices to overcome challenges related to source code Build applications faster and more efficiently using the Spring Framework and the Spring Boot extension Book Description Angular makes building applications with the web easy and Spring Boot helps get an application up and running using just a few lines of code and minimal configuration. This book provides insights into building full-stack apps using Angular and Spring Boot effectively to reduce overall development time and increase efficiency. You'll start by setting up your CI/CD pipeline and then build your web application's backend guided by best practices. You'll then see how Spring Boot allows you to build applications faster and more efficiently by letting the Spring Framework and Spring Boot extension do the heavy lifting. The book demonstrates how to use Spring Data JPA and add its dependencies along with Postgres dependencies in the project to save or persist a user's data in a database for future use. As you advance, you'll see how to write tests and test a service using Mockito. Finally, you'll create a CI workflow or pipeline for a Spring Boot and Angular application to enable operations to deliver quality applications faster. By the end of this Spring Boot and Angular book, you'll be able to build a full-stack web application and deploy it through continuous integration and continuous deployment. What you will learn Explore how to architect Angular for enterprise-level app development Create a Spring Boot project using Spring Initializr Build RESTful APIs for enterprise-level app development Understand how using Redis for caching can improve your application's performance Discover CORS and how to add CORS policy in the Spring Boot application for better security Write tests to maintain a healthy Java Spring Boot

application Implement testing and modern deployments of frontend and backend applications Who this book is for The book is for busy Java web developers and TypeScript developers with little experience developing Angular and Spring Boot apps who want to learn best practices for building full-stack web apps. Basic knowledge of HTML, CSS, and JavaScript or the Java programming language is necessary.

Professional BlazeDS Apress

Learn the art of building enticing projects by unleashing the potential of Raspberry Pi 3 using Java About This Book Explore the small yet powerful mini computer in order to run java applications Leverage Java libraries to build exciting projects on home automation, IoT, and Robotics by leveraging Java libraries Get acquainted with connecting electronic sensors to your Raspberry Pi 3 using Java APIs. Who This Book Is For The book is aimed at Java programmers who are eager to get their hands-on Raspberry Pi and build interesting projects using java. They have a very basic knowledge of Raspberry Pi. What You Will Learn Use presence detection using the integrated bluetooth chip Automatic light switch using presence detection Use a centralized IoT service to publish data using RPC Control a robot by driving motors using PWM Create a small web service capable of performing actions on the Raspberry Pi and supply readings Image capture using Java together with the OpenCV framework In Detail Raspberry Pi is a small, low cost and yet very powerful development platform. It is used to interact with attached electronics by the use of it's GPIO pins for multiple use cases, mainly Home Automation and Robotics. Our book is a project-based guide that will show you how to utilize the Raspberry Pi's GPIO with Java and how you can leverage this utilization with your knowledge of Java. You will start with installing and setting up the necessary hardware to create a seamless development platform. You will then straightaway start by building a project that will utilize light for presence detection. Next, you will program the application, capable of handling real time data using MQTT and utilize RPC to publish data to adafruit.io. Further, you will build a wireless robot on top of the zuma chassis with the Raspberry Pi as the main controller. Lastly, you will end the book with advanced projects that will help you to create a multi-purpose IoT controller along with building a security camera that will perform image capture and recognize faces with the help of notifications. By the

end of the book, you will be able to build your own real world usable projects not limited to Home Automation, IoT and/or Robotics utilizing logic, user and web interfaces. Style and approach The book will contain projects that ensure a java programmer gets started with building interesting projects using the small yet powerful Raspberry Pi 3. We will start with brushing up your Raspberry Pi skills followed by building 5-6 projects

Java 9 Programming Blueprints iUniverse

Master the Java EE 8 and JSF (JavaServer Faces) APIs and web framework with this practical, projects-driven guide to web development. This book combines theoretical background with a practical approach by building four real-world applications. By developing these JSF web applications, you'll take a tour through the other Java EE technologies such as JPA, CDI, Security, WebSockets, and more. In Practical JSF in Java EE 8, you will learn to use the JavaServer Faces web framework in Java EE 8 to easily construct a web-based user interface from a set of reusable components. Next, you add JSF event handling and then link to a database, persist data, and add security and the other bells and whistles that the Java EE 8 platform has to offer. After reading this book you will have a good foundation in Java-based web development and will have increased your proficiency in sophisticated Java EE 8 web development using the JSF framework. What You Will Learn Use the Java EE 8 and the JavaServer Faces APIs to build Java-based web applications through four practical real-world case studies Process user input with JSF and the expression language by building a calculator application Persist data using JSF templating and Java Persistence to manage an inventory of books Create and manage an alumni database using JSF, Ajax, web services and Java EE 8's security features. Who This Book Is For Those new to Java EE 8 and JSF. Some prior experience with Java is recommended.

Java Projects Packt Publishing Ltd

Start building Java-based web applications now, even if you're a complete newcomer to Java. Comprehensive and example-driven, *Beginning JSP, JSF, and Tomcat: Java Web Development, Second Edition* is all you need to develop dynamic Java-based web applications using JSP, connect to databases with JSF, and put them into action using the world's most popular open source Java web server, Apache Tomcat. A comprehensive introduction to JavaServer Pages (JSP), JavaServer Faces (JSF), and the Apache

Tomcat web application server Key concepts made easy to grasp by numerous working examples and a walkthrough of the development of a complete e-commerce project Written for professionals by a practicing Java web application professional and expert

Beginning Database Design Packt Publishing Ltd

Most security books on Java focus on cryptography and access control, but exclude key aspects such as coding practices, logging, and web application risk assessment. Encapsulating security requirements for web development with the Java programming platform, *Secure Java: For Web Application Development* covers secure programming, risk assessment, and threat modeling—explaining how to integrate these practices into a secure software development life cycle. From the risk assessment phase to the proof of concept phase, the book details a secure web application development process. The authors provide in-depth implementation guidance and best practices for access control, cryptography, logging, secure coding, and authentication and authorization in web application development. Discussing the latest application exploits and vulnerabilities, they examine various options and protection mechanisms for securing web applications against these multifarious threats. The book is organized into four sections: Provides a clear view of the growing footprint of web applications Explores the foundations of secure web application development and the risk management process Delves into tactical web application security development with Java EE Deals extensively with security testing of web applications This complete reference includes a case study of an e-commerce company facing web application security challenges, as well as specific techniques for testing the security of web applications. Highlighting state-of-the-art tools for web application security testing, it supplies valuable insight on how to meet important security compliance requirements, including PCI-DSS, PA-DSS, HIPAA, and GLBA. The book also includes an appendix that covers the application security guidelines for the payment card industry standards.

Raspberry Pi 3 Projects for Java Programmers Apress

Conallen introduces architects and designers and client/server systems to issues and techniques of developing software for the Web. He expects readers to be familiar with object-oriented principles and concepts, particularly with UML (unified modeling

language), and at least one Web application architecture or environment. The second edition incorporates both technical developments and his experience since 1999. He does not provide a bibliography. Annotation copyrighted by Book News, Inc., Portland, OR

Web Applications with Javascript or Java Packt Publishing Ltd
As the majority of Java developers are only Web-tier developers; Java technologies like JavaServer Pages (JSP), JavaServer Faces (JSF), and Apache Tomcat are mainly applicable and relevant to their needs. This comprehensive and user-friendly book is the first and maybe even the only starter-level work of its kind combining the naturally complimentary JSP, JSF and Tomcat Web technologies into one consolidated treatment for developers focusing on just Java Web application development and deployment. This book is examples-driven using practical, real-time e-commerce case studies and scenarios throughout.

Introducing Play Framework Createspace Independent Pub
This book is primarily intended for beginners who wants to learn various aspects of software engineering and building web applications using Java programming language. There are many good books available in the market which independently teach Java, Web Servers, MVC based Frameworks, JSP, PL/SQL, AJAX, JavaScript, CSS, HTML5, UML, SDLC etc. This book covers all of these things plus other aspects together while building an actual web application from inception till completion. This books takes a sample web application and builds it from scratch. Each aspect is explained at micro level with real time examples along with the UML diagrams and code. The fundamental concepts of software engineering and programming web applications are covered with high importance. The objective of this book is to teach building modern day business web applications using java and other related technologies. This book teaches everything in details and in simpler way about building web applications with medium to high level of complexity. This book also covers various software engineering concepts that are required for building software solutions. The book takes you through each and every step of building a web application from scratch. The objective is to teach the reader every single aspect of software engineering required for building web applications from inception till deployment and support. In order to achieve the objective, a real life business requirement is taken and the sample project is built step by step

from requirements gathering till deployment and support. The book includes building a light weight MVC based Java framework and building the sample web application using it. During the course architecture, SDLC, UML, security, ajax, various patterns, best practices and other related topics are explained. The best way to learn anything is to get the hands dirty. When a developer starts building any software solution, he/she gets lots of doubts and questions while actually doing it. When the reader architects, designs and does the coding hands on, the reader learns every aspect practically. When the reader builds the working application step by step, the confidence of the reader as a developer is boosted.

Client-Server Web Apps with JavaScript and Java Walter de Gruyter GmbH & Co KG

Pro NetBeans IDE 6 Rich Client Platform Edition is the second Apress book to cover the agile, open source NetBeans IDE platform. The book focuses on the new features of NetBeans 6 as well as what has changed since NetBeans 5.5, empowering you to be a more effective and productive developer. Enables you to click and use any of the Java Swing and other desktop Java graphical user interface (GUI) APIs available in Java SE 6 or prior Covers working with rich client platform features available in NetBeans for building web-based application front ends Shows you the web-tier development plug-ins available including JSF, Struts Action Framework 2.0, and JRuby for bringing the Ruby on Rails feature set to Java via NetBeans For building back-end, server-side Java applications, pick up Pro NetBeans IDE 5.5 Enterprise Edition, which is based on APIs found in the Java EE 5. What you'll learn Easily install and set up your NetBeans IDE platform environment, and organize your projects Use the NetBeans source editor, code compiler, refactoring, software development, profiler, collaboration, database, and debugger tools Develop your Java Swing application for your desktop from start to finish Deploy your Java Swing or other GUI application using Java Web Start features embedded in NetBeans Build rich client applications using NetBeans plug-in module tools/features from start to finish Extend your NetBeans IDE wish list to building Struts 2 and even JRuby (Ruby on Rails) based Java web application front ends Who this book is for Intended for Java developers of varying skill who may or may not be familiar with NetBeans IDE or Java IDEs in general.

Java Projects John Wiley & Sons

Summary Play for Java shows you how to build Java-based web applications using the Play 2 framework. The book starts by introducing Play through a comprehensive overview example. Then, you'll look at each facet of a typical Play application, both by exploring simple code snippets and by adding to a larger running example. Along the way, you'll contrast Play and JEE patterns and learn how a stateless web application can fit seamlessly in an enterprise environment. About the Book For a Java developer, the Play web application framework is a breath of fresh air. With Play you get the power of Scala's strong type system and functional programming model, and a rock-solid Java API that makes it a snap to create stateless, event-driven, browser-based applications ready to deploy against your existing infrastructure. Play for Java teaches you to build Java-based web applications using Play 2. This book starts with an overview example and then explores each facet of a typical application by discussing simple snippets as they are added to a larger example. Along the way, you'll contrast Play and JEE patterns and learn how a stateless web application can fit seamlessly in an enterprise Java environment. You'll also learn how to develop asynchronous and reactive web applications. The book requires a background in Java. No knowledge of Play or of Scala is assumed. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Build Play 2 applications using Java Leverage your JEE skills Work in an asynchronous way Secure and test your Play application About the Authors Nicolas Leroux is a core developer of the Play framework. Sietse de Kaper develops and deploys Java-based Play applications. Table of Contents PART 1 INTRODUCTION AND FIRST STEPS An introduction to Play The parts of an application A basic CRUD application PART 2 CORE FUNCTIONALITY An enterprise app, Play-style Controllers—handling HTTP requests Handling user input Models and persistence Producing output with view templates PART 3 ADVANCED TOPICS Asynchronous data Security Modules and deployment Testing your application *Beginning Jakarta EE Web Development* Packt Publishing Ltd Enter the world of rapid web application development. This gentle introduction to Play covers all you need to know: it carefully introduces the background concepts before diving into examples, making learning Play 2 enjoyable (it includes the latest Play

framework version 2.8). Introducing Play Framework is crisp, up-to-the-point, and full of valuable information. You will find chapters covering the basics of Play, the sbt build system, the Ebean ORM, web services using Play, production deployment, cache, and more with actual pragmatic code snippets for common tasks. After reading and using this book, you'll be able to build and deploy Java-based web applications with the Play framework. What You Will Learn Use the Play framework to do rapid Java-based web application development Work with Play controllers and Play views Create web services using JSON and XML Persist data and access databases Use Play modules Carry out asynch programming Cache, deploy, and work with code snippets in Play Who This Book Is For Those with at least some prior experience with Java.

[Java Web Services Unleashed](#) Apress

Web development is still one of today's most popular, active, and important programming and development activities. From a single web page to an e-commerce-enabled web site to a fully-fledged web application, the Java programming language and its frameworks allow you great flexibility and productivity for your web application development. Learn Java for Web Development teaches web developers who are new to Java key skills, Java-based languages, and frameworks to build simple or complex web sites and applications. As soon as you pick up this book, Vishal Layka's experience guides you on a very practical learning and building journey. You will learn the Java nuts and bolts necessary to build a simple "HelloWorld" Java (native) application, as well as a "HelloWorld" Java-based web application example that utilizes servlets and Java Server Pages (JSPs). Over the course of the

book, you'll learn more about servlets and JSPs and delve into Java Server Faces (JSFs) and the expression language found in each of these by applying them in a real-world case study—a book store e-commerce application. Then you'll build your web application using Apache Struts2 and the Spring MVC framework. The book concludes by exploring the web application that you've built and examining industry best practices and how these might fit with your application, as well as covering alternative Java Web frameworks like Groovy/Grails and Scala/Play 2. You also can explore the basics of Java, Groovy, and Scala in the book's appendices. While reading this book, you'll see all this in action and you can use it as a starting point for further Java web development. Study and experiment with the many source code examples, and later apply them to your own web application building endeavors and 2:00 AM challenges.