

Play For Scala Peter Hilton

Mastering Play Framework for Scala
Play for Java
Physical and Biological Hazards of the Workplace
Fundamentals of Object Tracking
Functional Programming Patterns in Scala and Clojure
Marrying Mr. Right
Play Framework Essentials
sbt in Action
The Perfidy of Albion
Nutrition and Diet Factors in Type 2 Diabetes
React for Real
The Science of Human Evolution
Pediatric ENT
Learning Play! Framework 2
Play Framework Cookbook
Akka in Action
The Rocky Horror Show
Once Upon a Mulberry Field
Introducing Play Framework
Varieties of Capitalism
Functional Reactive Programming
Non-Invasive Ventilation and Weaning
The Cambridge Companion to the Age of Nero
Building and Testing with Gradle
Scala in Action
Functional Programming in Java
Play Framework Cookbook
Redis in Action
Spark in Action
Breastfeeding and Human Lactation
Seventy-nine Short Essays on Design
David Janssen
BDD in Action
Play in Practice
97 Things Every Java Programmer Should Know
Dictionary of World Biography
Managing Humans
The Scale (or Ladder) of Perfection
Play for Scala
Personal Foul

Mastering Play Framework for Scala

Managing Humans is a selection of the best essays from Michael Lopp's popular website Rands in Repose (www.randsinrepose.com). Lopp is one of the most sought-after IT managers in Silicon Valley, and draws on his experiences at Apple, Netscape, Symantec, and Borland. This book reveals a variety of different approaches for creating innovative, happy development teams. It covers handling conflict, managing wildly differing personality types, infusing innovation into insane product schedules, and figuring out how to build lasting and useful engineering culture. The essays are biting, hilarious, and always informative.

Play for Java

Completely updated version this classic reference covers both physical hazards and biological agents Provides updated information on protecting workers from proven and possible health risks from manual material handling, extremes of temperature and pressure, ionizing and non-ionizing (magnetic fields) radiation, shiftwork, and more Details major changes in our understanding of biological hazards including Ebola, Chikungunya, Zika, HIV, Hepatitis C, Lyme disease, MERS-CoV, TB, and much more All infectious diseases have been updated from an occupational health perspective Includes practical guidance on to how to set up medical surveillance for hazards and suggests preventive measures that can be used to reduce occupational diseases

Physical and Biological Hazards of the Workplace

Provides a guide to using Scala and Clojure to solve in-depth programming problems.

Fundamentals of Object Tracking

The media has often speculated and sports fans have debated, but until now no

one has known the real story. Personal Foul takes an in-depth look at former NBA referee Tim Donaghy and the betting scandal that rocked professional basketball. This is the decisive book that reveals exactly what was done and how it all happened. Which games were affected and how? Did referees target particular players or teams? Just how much did the NBA know and when? How did the mafia get involved? The book answers all of these questions and more. Thrilling and poignant, Personal Foul takes readers on the journey of one man wrestling his own demons and shines a light on a culture of gambling and "directive" officiating in the NBA that promises to change the way sports fans view the game forever. The book also includes a foreword by Phil Scala, the FBI Special Agent who worked the Gambino case.

Functional Programming Patterns in Scala and Clojure

Fall in love with The Brides of Hilton Head Island, Sabrina Sims McAfee's, International Bestselling contemporary romance series. MARRYING MR. RIGHT is an emotional, sexy love story with light suspense. When the alpha men in this series falls in love it's always and forever. And their dashing brides couldn't be happier. Book Description: Taylor Spelling is in big trouble. Trouble of the worst kind. To her dismay, the only person that may be able to help her is her boyfriend, the handsome Zeke Balfour. Upon arriving at Zeke's mansion, Taylor is finally ready to tell Zeke her big secret, but before she does, Zeke leads her into a torrid love affair she can't resist. Hot kisses on the lips. Smooth touches from his big hands, caressing her. Zeke's hot, lusty moves are hard to refuse. Makes Taylor forget why she'd come to see him in the first place. Zeke Balfour is young, athletic, and wealthy. At his father's insistence to spoil him, Zeke has more money than he knows what to do with. However, Zeke isn't interested in wealth. The only thing on Zeke's heart and mind is sweet and delicious Taylor Spelling. Pretty Taylor stokes a fire in Zeke and makes him burn to the core. Makes him burn with need. Burn with love. Right when Taylor gets ready to share a secret with Zeke that could change his life in the best way possible, someone takes her from him. Steals her right from under his damn nose. Devastated and heartbroken beyond measure, Zeke sets out on a journey to find the one woman God promised him—the love of his life—the beautiful Taylor Spelling.

Marrying Mr. Right

Now in full-colour, this eagerly-anticipated second edition continues to be the most comprehensive resource available on non-invasive ventilation (NIV), both in the hospital and at home. Reflecting a global perspective with expert contributors from more than 15 countries, the book:

- provides clinical examples of NIV in practice with insightful vignettes
- covers home- and intensive care-based ventilation
- details NIV use in acute and chronic respiratory failure, plus paediatric and other specialty applications.

Disease-specific sections provide best practice in the science, diagnostics and management of conditions such as COPD, cardiac failure, neuromuscular disease and obesity, while features such as 'Common Clinical Questions & Answers', abundant tables and illustrations, chapter summaries and new clinical vignettes showcase the realities of NIV in practice. This is essential reading for pulmonologists, critical care physicians and intensive care medicine specialists.

Play Framework Essentials

Rock Musical Characters: 7 males, 3 females Scenery: Interior That sweet transvestite and his motley crew did the time warp on Broadway in a 25th anniversary revival. Complete with sass from the audience, cascading toilet paper and an array of other audience participation props, this deliberately kitschy rock 'n' roll sci fi gothic is more fun than ever. "A socko wacko weirdo rock concert."-WNBC TV. "A musical that deals with mutating identity and time warps becomes one of the most mutated, time warped phenomena in show business."-N.Y. Times. "Campy trash."-Time.

sbt in Action

Presents an introduction to Redis and NoSQL database concepts, covering such topics as preprocessing in real time, managing in-memory datasets, and persisting to disk.

The Perfidy of Albion

A strong focus is placed on explanation by example; even with the amount of amazing capabilities of Play! 2, they will be gathered in a single application. At the end of this book, the reader will have a fully-fledged application using the basic and advanced features of Play! 2. Readers must be interested in the Web in general; specifically using the HTTP between a browser and a server to create blazing projects! Java skills are beneficial but not necessary since Play! Framework 2 is not J2EE based but introduces a simple, neat, and completely integrated version; the prerequisites are almost non

Nutrition and Diet Factors in Type 2 Diabetes

If you want to push your Java skills to the next level, this book provides expert advice from Java leaders and practitioners. You'll be encouraged to look at problems in new ways, take broader responsibility for your work, stretch yourself by learning new techniques, and become as good at the entire craft of development as you possibly can. Edited by Kevlin Henney and Trisha Gee, 97 Things Every Java Programmer Should Know reflects lifetimes of experience writing Java software and living with the process of software development. Great programmers share their collected wisdom to help you rethink Java practices, whether working with legacy code or incorporating changes since Java 8. A few of the 97 things you should know: "Behavior Is Easy, State Is Hard"—Edson Yanaga "Learn Java Idioms and Cache in Your Brain"—Jeanne Boyarsky "Java Programming from a JVM Performance Perspective"—Monica Beckwith "Garbage Collection Is Your Friend"—Holly K Cummins "Java's Unspeakable Types"—Ben Evans "The Rebirth of Java"—Sander Mak "Do You Know What Time It Is?"—Christin Gorman

React for Real

Experienced developers looking to integrate the Play framework into their systems will find everything they need in this practical book. By examining the details of a

real-world application, you'll go into the details of making Play 2.4 work as a system--using non-blocking actions, isolating services, recovering from failure, using CQRS and microservices, providing backpressure and rate limiting, deploying applications, and scaling up. Author Will Sargent is a frequent Play contributor and a Typesafe consultant who has ample experience working with many different web application frameworks. If you're well-versed in Java and Scala, you're ready to get started.

The Science of Human Evolution

A lively and accessible guide to the rich literary, philosophical and artistic achievements of the notorious age of Nero.

Pediatric ENT

This book is intended for those developers who are keen to master the internal workings of Play Framework to effectively build and deploy web-related apps.

Learning Play! Framework 2

Jones, Barry Owen (1932–). Australian politician, writer and lawyer, born in Geelong. Educated at Melbourne University, he was a public servant, high school teacher, television and radio performer, university lecturer and lawyer before serving as a Labor MP in the Victorian Parliament 1972–77 and the Australian House of Representatives 1977–98. He took a leading role in reviving the Australian film industry, abolishing the death penalty in Australia, and was the first politician to raise public awareness of global warming, the 'post-industrial' society, the IT revolution, biotechnology, the rise of 'the Third Age' and the need to preserve Antarctica as a wilderness. In the Hawke Government, he was Minister for Science 1983–90, Prices and Consumer Affairs 1987, Small Business 1987–90 and Customs 1988–90. He became a member of the Executive Board of UNESCO, Paris 1991–95 and National President of the Australian Labor Party 1992–2000, 2005–06. He was Deputy Chairman of the Constitutional Convention 1998. His books include *Decades of Decision 1860–* (1965), *Joseph II* (1968), *Age of Apocalypse* (1975), and he edited *The Penalty is Death* (1968). *Sleepers, Wake!: Technology and the Future of Work* was published by Oxford University Press in 1982, became a bestseller and has been translated into Chinese, Japanese, Korean, Swedish and braille. The fourth edition was published in 1995. *Knowledge Courage Leadership*, a collection of speeches and essays, appeared in 2016. He received a DSc for his services to science in 1988 and a DLitt in 1993 for his work on information theory. Elected FTSE (1992), FAHA (1993), FAA (1996) and FASSA (2003), he is the only person to have become a Fellow of four of Australia's five learned Academies. Awarded an AO in 1993, named as one of Australia's 100 'living national treasures' in 1997, he was elected a Visiting Fellow Commoner of Trinity College, Cambridge in 1999. His autobiography, *A Thinking Reed*, was published in 2006 and *The Shock of Recognition*, about music and literature, in 2016. In 2014 he received an AC for services 'as a leading intellectual in Australian public life'.

Play Framework Cookbook

Describes how to use the open source project automation tool to build and test software written in Java and other programming languages.

Akka in Action

Summary Akka in Action is a comprehensive tutorial on building message-oriented systems using Akka. The book takes a hands-on approach, where each new concept is followed by an example that shows you how it works, how to implement the code, and how to (unit) test it. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Akka makes it relatively easy to build applications in the cloud or on devices with many cores that efficiently use the full capacity of the computing power available. It's a toolkit that provides an actor programming model, a runtime, and required support tools for building scalable applications. About the Book Akka in Action shows you how to build message-oriented systems with Akka. This comprehensive, hands-on tutorial introduces each concept with a working example. You'll start with the big picture of how Akka works, and then quickly build and deploy a fully functional REST service out of actors. You'll explore test-driven development and deploying and scaling fault-tolerant systems. After mastering the basics, you'll discover how to model immutable messages, implement domain models, and apply techniques like event sourcing and CQRS. You'll also find a tutorial on building streaming applications using akka-stream and akka-http. Finally, you'll get practical advice on how to customize and extend your Akka system. What's Inside Getting concurrency right Testing and performance tuning Clustered and cloud-based applications Covers Akka version 2.4 About the Reader This book assumes that you're comfortable with Java and Scala. No prior experience with Akka required. About the Authors A software craftsman and architect, Raymond Roestenburg is an Akka committer. Rob Bakker specializes in concurrent back-end systems and systems integration. Rob Williams has more than 20 years of product development experience. Table of Contents Introducing Akka Up and running Test-driven development with actors Fault tolerance Futures Your first distributed Akka app Configuration, logging, and deployment Structural patterns for actors Routing messages Message channels Finite-state machines and agents System integration Streaming Clustering Actor persistence Performance tips Looking ahead

The Rocky Horror Show

Offers a tutorial to the Scala programming language, describing how to use the open source libraries for both Java and Scala, how to build DSLs and other productivity tools, and ways to debug and test using ScalaTest.

Once Upon a Mulberry Field

Hampson describes how the French Revolution, which seemed to promise an era of Franco-British partnership, led to an even more bitter estrangement between the two nations. Both the British and French peoples saw the revolution of 1789 as offering the prospect of a new Franco-British partnership. These hopes soon foundered on old suspicions and new ideological divergences. The result was to confirm the traditional perception of each nation's own identity, centred on the

state in France and the people in Great Britain.

Introducing Play Framework

Human lactation has evolved to produce a milk composition that is uniquely-designed for the human infant. Not only does human milk optimize infant growth and development, it also provides protection from infection and disease. More recently, the importance of human milk and breastfeeding in the programming of infant health has risen to the fore. Anchoring of infant feeding in the developmental origins of health and disease has led to a resurgence of research focused in this area. Milk composition is highly variable both between and within mothers. Indeed the distinct maternal human milk signature, including its own microbiome, is influenced by environmental factors, such as diet, health, body composition and geographic residence. An understanding of these changes will lead to unravelling the adaptation of milk to the environment and its impact on the infant. In terms of the promotion of breastfeeding, health economics and epidemiology is instrumental in shaping public health policy and identifying barriers to breastfeeding. Further, basic research is imperative in order to design evidence-based interventions to improve both breastfeeding duration and women's breastfeeding experience.

Varieties of Capitalism

Working with big data can be complex and challenging, in part because of the multiple analysis frameworks and tools required. Apache Spark is a big data processing framework perfect for analyzing near-real-time streams and discovering historical patterns in batched data sets. But Spark goes much further than other frameworks. By including machine learning and graph processing capabilities, it makes many specialized data processing platforms obsolete. Spark's unified framework and programming model significantly lowers the initial infrastructure investment, and Spark's core abstractions are intuitive for most Scala, Java, and Python developers. Spark in Action teaches readers to use Spark for stream and batch data processing. It starts with an introduction to the Spark architecture and ecosystem followed by a taste of Spark's command line interface. Readers then discover the most fundamental concepts and abstractions of Spark, particularly Resilient Distributed Datasets (RDDs) and the basic data transformations that RDDs provide. The first part of the book covers writing Spark applications using the the core APIs. Readers also learn how to work with structured data using Spark SQL, how to process near-real time data with Spark Streaming, how to apply machine learning algorithms with Spark MLlib, how to apply graph algorithms on graph-shaped data using Spark GraphX, and an introduction to Spark clustering. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Functional Reactive Programming

Summary A tutorial about effectively building Scala projects, sbt in Action introduces the sbt tool with a simple project that establishes the fundamentals of running commands and tasks. Next, it shows you how to use the peripheral

libraries in sbt to make common tasks simpler. Finally, it covers how to deploy software effectively. You'll learn to appreciate how sbt improves the process of developing software, not just running builds. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology sbt is a build tool native to Scala that can transform any build scenario into a streamlined, automated, and repeatable process. Its interactive shell lets you customize your builds on the fly, and with sbt's unique incremental compilation feature, you can update only the parts of your project that change, without having to rebuild everything. Mastering sbt, along with the right patterns and best practices, is guaranteed to save you time and trouble on every project. About the Book sbt in Action, first and foremost, teaches you how to build Scala projects effectively. It introduces the sbt tool with a simple project that establishes the fundamentals of running commands and tasks. Next, it shows you how to use the peripheral libraries in sbt to make common tasks simpler. Along the way, you'll work through real projects that demonstrate how to build and deploy your projects regardless of development methodology or process. What's Inside Master sbt's loosely coupled libraries Effectively manage dependencies Automate and simplify your builds Customize builds and tasks About the Reader Readers should be comfortable reading Scala code. No experience with sbt required. About the Authors Josh Suereth is an engineer at Typesafe and the author of Manning's Scala in Depth. Matthew Farwell is a senior developer and the author of the Scalastyle style checker. Table of Contents PART 1 WHY SBT? Why sbt? Getting started PART 2 UNDERSTANDING SBT'S CORE CONCEPTS Core concepts The default build PART 3 WORKING WITH SBT Testing The IO and Process libraries Accepting user input Using plugins and external libraries Debugging your build PART 4 EXTENDING SBT Automating workflows with commands Defining a plugin PART 5 DEPLOYING YOUR PROJECTS Distributing your projects

Non-Invasive Ventilation and Weaning

Over 60 incredibly effective recipes to take you under the hood and leverage advanced concepts of the Play framework.

The Cambridge Companion to the Age of Nero

This concise textbook covers all the practical and theoretical aspects necessary for those taking exams or wishing to update their knowledge of pediatric ENT medicine. The book is divided into sections covering rhinology, otology and head and neck problems. Uniformly structured chapters, written by internationally recognized experts in their fields, cover all relevant topics comprehensively and succinctly. The book includes more than 300 figures, almost half in color. This useful and reader-friendly textbook will be inspirational to young specialists with an interest in pediatric ENT, useful to those who are due to take their final exams, and informative for established specialists.

Building and Testing with Gradle

Roger Connors, a widower with no children, is pondering whether to pursue aggressive treatment for his cancer when a cryptic note arrives from a long-lost

USAF buddy announcing the visit of an acquaintance from Vietnam. Faced with ghosts of fallen comrades and haunting memories of the great love he once knew, Connors receives revelations from his visitor that uncover a missing part of his life. As he delves into a decades-old secret in search of answers and traces of a passion unfulfilled, on a journey from the jungles of Vietnam through the minefields of the heart, Connors is on a journey fraught with disillusionment and despair but ultimately redeemed by the power of love.

Scala in Action

This textbook provides a collection of case studies in paleoanthropology demonstrating the method and limitations of science. These cases introduce the reader to various problems and illustrate how they have been addressed historically. The various topics selected represent important corrections in the field, some critical breakthroughs, models of good reasoning and experimental design, and important ideas emerging from normal science.

Functional Programming in Java

Seventy-nine Short Essays on Design brings together the best of designer Michael Bierut's critical writing—serious or humorous, flattering or biting, but always on the mark. Bierut is widely considered the finest observer on design writing today. Covering topics as diverse as Twyla Tharp and ITC Garamond, Bierut's intelligent and accessible texts pull design culture into crisp focus. He touches on classics, like Massimo Vignelli and the cover of *The Catcher in the Rye*, as well as newcomers, like McSweeney's Quarterly Concern and color-coded terrorism alert levels. Along the way Nabakov's *Pale Fire*; Eero Saarinen; the paper clip; Celebration, Florida; the planet Saturn; the ClearRx pill bottle; and paper architecture all fall under his pen. His experience as a design practitioner informs his writing and gives it truth. In *Seventy-nine Short Essays on Design*, designers and nondesigners alike can share and revel in his insights.

Play Framework Cookbook

Most software applications must handle user or system-generated events. The most widely-accepted event handling model is the Observer pattern, in which an object "listens" for changes in the application's state and then reacts by executing a unit of code the problems is that this approach is prone to bugs. Functional Reactive Programming (FRP) is an alternative to the Observer pattern. It's designed to deal with events as a stream of values over time rather than as a series of unique responses to discrete changes in state, keeping logic tidy and eliminating the bugs that plague event handling code with no loss of expressiveness. FRP is useful anywhere the Observer pattern is common, including user interfaces, video games, networking, and industrial applications. "Functional Reactive Programming" teaches the concepts and applications of FRP. It begins with a careful walk-through of the FRP core operations and introduces the concepts and techniques needed to use FRP in any language. Following easy-to-understand examples, readers will learn how to use FRP in greenfield applications and how to refactor existing applications. Along the way, the book introduces the basics of

functional programming in a just-in-time style, so readers never learn anything before they need to use it. By the end of the book, readers will be able to use FRP to spend more time adding features and less time fixing problems. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications."

Redis in Action

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

Spark in Action

Summary BDD in Action teaches you the Behavior-Driven Development model and shows you how to integrate it into your existing development process. First you'll learn how to apply BDD to requirements analysis to define features that focus your development efforts on underlying business goals. Then, you'll discover how to automate acceptance criteria and use tests to guide and report on the development process. Along the way, you'll apply BDD principles at the coding level to write more maintainable and better documented code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You can't write good software if you don't understand what it's supposed to do. Behavior-Driven Development (BDD) encourages teams to use conversation and concrete examples to build up a shared

understanding of how an application should work and which features really matter. With an emerging body of best practices and sophisticated new tools that assist in requirement analysis and test automation, BDD has become a hot, mainstream practice. About the Book BDD in Action teaches you BDD principles and practices and shows you how to integrate them into your existing development process, no matter what language you use. First, you'll apply BDD to requirements analysis so you can focus your development efforts on underlying business goals. Then, you'll discover how to automate acceptance criteria and use tests to guide and report on the development process. Along the way, you'll apply BDD principles at the coding level to write more maintainable and better documented code. No prior experience with BDD is required. What's Inside BDD theory and practice How BDD will affect your team BDD for acceptance, integration, and unit testing Examples in Java, .NET, JavaScript, and more Reporting and living documentation About the Author John Ferguson Smart is a specialist in BDD, automated testing, and software lifecycle development optimization. Table of Contents PART 1: FIRST STEPS Building software that makes a difference BDD—the whirlwind tour PART 2: WHAT DO I WANT? DEFINING REQUIREMENTS USING BDD Understanding the business goals: Feature Injection and related techniques Defining and illustrating features From examples to executable specifications Automating the scenarios PART 3: HOW DO I BUILD IT? CODING THE BDD WAY From executable specifications to rock-solid automated acceptance tests Automating acceptance criteria for the UI layer Automating acceptance criteria for non-UI requirements BDD and unit testing PART 4: TAKING BDD FURTHER Living Documentation: reporting and project management BDD in the build process

Breastfeeding and Human Lactation

Despite their on-again, off-again courtship and his desire not to get married, David allowed Dani Greco to take control of his finances. In his professional life, he becomes Harry O - interjecting a lot of his own real-life eccentricities, endearing him to his fans even more. He went on to assume various roles in 12 Made-for-Television films and 6 Feature films between 1974-1979. We are introduced to Carol Connors, a singer and songwriter David met while collaborating on the song, 'My Sensitive, Passionate Man, ' during a lengthy separation from Dani. He seemed to have found true happiness and had no interest in hiding his relationship with Carol. However, Dani controlled his finances, causing him to feel trapped. Living alone in his Malibu Beach home, David quietly explored the cost of a divorce and learned he would not lose everything. At a time when he likely felt the greatest sense of inner peace, the huge hand of fate brought everything to an end. "DAVID JANSSEN Our Conversations is a heartfelt tribute to a beloved Star, still adored by millions of fans around the world today." Norma Budden, author

Seventy-nine Short Essays on Design

Introduces object tracking algorithms from a unified, recursive Bayesian perspective, along with performance bounds and illustrative examples.

David Janssen

This book is a printed edition of the Special Issue "Nutrition and Diet Factors in Type 2 Diabetes" that was published in Nutrients

BDD in Action

Over 60 incredibly effective recipes to take you under the hood and leverage advanced concepts of the Play framework.

Play in Practice

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.

97 Things Every Java Programmer Should Know

Dictionary of World Biography

When traditional web development techniques don't cut it, try React. Use React to create highly interactive web pages faster and with fewer errors. With a little JavaScript experience under your belt, you'll be up and running in no time creating dynamic web applications. Craft isolated components that make your apps easier to develop and maintain, with plenty of guidance on best practices. Set up automated tests, and make pages render fast for your users. See how to use your React skills to integrate with other front-end technologies when needed. Dive right into React by defining components, the basic building blocks of a React application. Integrate modern JavaScript language features such as classes and arrow functions in your app. Analyze the relationships in your data to isolate state, and sync the data model with what your users see. Once you're familiar with how a React application works, organize your code base with modules. Configure a production build and deliver your app as efficiently as possible with Webpack. Master testing with React-specific advice and tools to catch the most bugs with the least amount of code. Learn the basics of the Redux library. Define actions and manage an immutable central state with reducers, then connect Redux to your React components to build even larger and more complex interfaces. Package your React code as a standalone widget so anyone can use it in their own applications. Reuse existing JavaScript code in your React components, and build a new React

view on top of an existing data model shared with a legacy application. When you finish this book, you'll be well on your way to solving your front-end problems with React. What You Need: Node.js 6.x or later, and a modern web browser.

Managing Humans

Summary Play for Scala shows you how to build Scala-based web applications using the Play 2 framework. This 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 deepen your knowledge of Scala as a programming language and work with tools like Akka. About this Book Play is a Scala web framework with built-in advantages: Scala's strong type system helps deliver bug-free code, and the Akka framework helps achieve hassle-free concurrency and peak performance. Play builds on the web's stateless nature for excellent scalability, and because it is event-based and nonblocking, you'll find it to be great for near real-time applications. Play for Scala teaches you to build Scala-based web applications using Play 2. It gets you going with a comprehensive overview example. It then explores each facet of a typical Play application by walking through sample code snippets and adding features to a running example. Along the way, you'll deepen your knowledge of Scala and learn to work with tools like Akka. Written for readers familiar with Scala and web-based application architectures. No knowledge of Play is assumed. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Intro to Play 2 Play's MVC structure Mastering Scala templates and forms Persisting data and using web services Using Play's advanced features About the Authors Peter Hilton, Erik Bakker, and Francisco Canedo, are engineers at Lunatech, a consultancy with Scala and Play expertise. They are contributors to the Play framework. Table of Contents PART 1: GETTING STARTED Introduction to Play Your first Play application PART 2: CORE FUNCTIONALITY Deconstructing Play application architecture Defining the application's HTTP interface Storing data—the persistence layer Building a user interface with view templates Validating and processing input with the forms API PART 3: ADVANCED CONCEPTS Building a single-page JavaScript application with JSON Play and more Web services, iterates, and WebSockets

The Scale (or Ladder) of Perfection

This book targets Java and Scala developers who already have some experience in web development and who want to master Play framework quickly and efficiently. This book assumes you have a good level of knowledge and understanding of efficient Java and Scala code.

Play for Scala

What are the most fundamental differences among the political economies of the developed world? How do national institutional differences condition economic performance, public policy, and social well-being? Will they survive the pressures for convergence generated by globalization and technological change? These have

long been central questions in comparative political economy. This book provides a new and coherent set of answers to them. Building on the new economics of organization, the authors develop an important new theory about which differences among national political economies are most significant for economic policy and performance. Drawing on a distinction between 'liberal' and 'coordinated' market economies, they argue that there is more than one path to economic success. Nations need not converge to a single Anglo-American model. They develop a new theory of 'comparative institutional advantage' that transforms our understanding of international trade, offers new explanations for the response of firms and nations to the challenges of globalization, and provides a new theory of national interest to explain the conduct of nations in international relations. The analysis brings the firm back into the centre of comparative political economy. It provides new perspectives on economic and social policy-making that illuminate the role of business in the development of the welfare state and the dilemmas facing those who make economic policy in the contemporary world. Emphasizing the 'institutional complementarities' that link labour relations, corporate finance, and national legal systems, the authors bring interdisciplinary perspectives to bear on issues of strategic management, economic performance, and institutional change. This pathbreaking work sets new agendas in the study of comparative political economy. As such, it will be of value to academics and graduate students in economics, business, and political science, as well as to many others with interests in international relations, social policy-making, and the law.

Personal Foul

Summary Functional Programming in Java teaches Java developers how to incorporate the most powerful benefits of functional programming into new and existing Java code. You'll learn to think functionally about coding tasks in Java and use FP to make your applications easier to understand, optimize, maintain, and scale. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Here's a bold statement: learn functional programming and you'll be a better Java developer. Fortunately, you don't have to master every aspect of FP to get a big payoff. If you take in a few core principles, you'll see an immediate boost in the scalability, readability, and maintainability of your code. And did we mention that you'll have fewer bugs? Let's get started! About the Book Functional Programming in Java teaches you how to incorporate the powerful benefits of functional programming into new and existing Java code. This book uses easy-to-grasp examples, exercises, and illustrations to teach core FP principles such as referential transparency, immutability, persistence, and laziness. Along the way, you'll discover which of the new functionally inspired features of Java 8 will help you most. What's Inside Writing code that's easier to read and reason about Safer concurrent and parallel programming Handling errors without exceptions Java 8 features like lambdas, method references, and functional interfaces About the Reader Written for Java developers with no previous FP experience. About the Author Pierre-Yves Saumont is a seasoned Java developer with three decades of experience designing and building enterprise software. He is an R&D engineer at Alcatel-Lucent Submarine Networks. Table of Contents What is functional programming? Using functions in Java Making Java more functional Recursion, corecursion, and memoization Data handling with lists Dealing with optional data Handling errors and exceptions

Advanced list handling Working with laziness More data handling with trees Solving real problems with advanced trees Handling state mutation in a functional way Functional input/output Sharing mutable state with actors Solving common problems functionally

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