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Learning ClojureScript



Synopsis

Master the art of agile single page web application development with ClojureScript
About This Book
Set up interactive development workflows for the browser or Node.js thanks to the ClojureScript ecosystem
Learn the basics of interactive single page web app development taking advantage of the functional nature of ClojureScript
Delve into advanced rich web application development concepts such as Om, along with core.async, using zippers and logic programming, and preparing code for production with testing or optimizing via the Google Closure Compiler
Who This Book Is For
This book is for web application developers who want to benefit from the power of ClojureScript to get an agile and highly productive development platform that targets mainly browser JavaScript.
You are not required to be fluent in Clojure, but it will be easier for you if you have a basic understanding of browser and server-side JavaScript.
What You Will Learn
Understand how the ClojureScript compiler operates
Set up interactive development workflows for ClojureScript
Grasp the basics of the ClojureScript language, including basic syntax, data structures, variable scoping, namespaces, and finally the powerful sequence abstraction
Delve into advanced concepts such as functional programming, macro writing, asynchronous programming, app routing, and real-time web
Develop simple one page web applications
Explore techniques to make your web apps aware of the external world through external or embedded database access or OAuth 2 integration
Learn more advanced ClojureScript concepts like in app routing, real-time web
Prepare your work for production, getting insights into optional type-checking, writing portable Clojure/ClojureScript code, and testing
In Detail
Clojure is an expressive language that makes it possible to easily tackle complex software development challenges. Its bias toward interactive development has made it a powerful tool, enabling high developer productivity.
In this book, you will first learn how to construct an interactive development experience for ClojureScript.. You will be guided through ClojureScript language concepts, looking at the basics first, then being introduced to advanced concepts such as functional programming or macro writing. After that, we elaborate on the subject of single page web applications, showcasing how to build a simple one, then covering different possible enhancements. We move on to study more advanced ClojureScript concepts, where you will be shown how to address some complex algorithmic cases. Finally, you'll learn about optional type-checking for your programs, how you can write portable code, test it, and put the advanced compilation mode of the Google Closure Compiler to good use.
Style and approach
This book is a comprehensive reference guide on ClojureScript development for the front end, and will gradually help you master interactive ClojureScript development workflows, through detailed step-by-step information illustrated with annotated code samples.

Book Information

Paperback: 296 pages

Publisher: Packt Publishing - ebooks Account (August 4, 2016)

Language: English

ISBN-10: 1785887637

ISBN-13: 978-1785887635

Product Dimensions: 7.5 x 0.8 x 9.2 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #937,541 in Books (See Top 100 in Books) #55 in [Books > Computers &](#)

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Customer Reviews

This is a great and thorough introduction to ClojureScript. It makes no assumptions on what you may already know. Instead it focuses on building a strong foundation of knowledge. Two whole chapters are focused on just making sure you have a strong understanding of what ClojureScript is and what makes it different from JavaScript. That was invaluable as I went further into the book. From there the book teaches how to create a web application with React by way of Om. And rather than leave me high and dry with just a fun toy application the book wraps things up by teaching how to move code to a production environment. Definitely a strong recommend if you're interested in going from a ClojureScript beginner to a pro!

I've heard of ClojureScript but I never knew how to get started. A friend recommended this book to me so I gave it a try. After the first few chapters, I was hooked. The author was able to offer clear advantages of using ClojureScript and gave great coding examples to get started. The problems and coding instructions were very practical which made it fun and easy to learn. It wasn't long after reading the book that I began to write applications using ClojureScript. Highly recommend reading this book if you are just starting or if you are an intermediate user.

A very clear introduction to developing with Clojurescript. The pacing was excellent. The examples made a ton of sense. I really liked how the author included links and tips to upcoming tech as well

(such as the js compiler.)

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