

The
Pragmatic
Programmers

Programming Phoenix

Productive |> Reliable |> Fast



Chris McCord,
Bruce Tate,
and José Valim

edited by Jacquelyn Carter

Book And Programming Phoenix Productive Reliable Fast

Chris McCord, Bruce Tate, Jose Valim



Book And Programming Phoenix Productive Reliable Fast:

Programming Phoenix Chris McCord, Bruce Tate, Jose Valim, 2016 [Programming Phoenix 1.4](#) Chris McCord, Bruce Tate, Jose Valim, 2019-10-02 Don't accept the compromise between fast and beautiful you can have it all Phoenix creator Chris McCord Elixir creator Jose Valim and award winning author Bruce Tate walk you through building an application that's fast and reliable At every step you'll learn from the Phoenix creators not just what to do but why Packed with insider insights and completely updated for Phoenix 1.4 this definitive guide will be your constant companion in your journey from Phoenix novice to expert as you build the next generation of web applications Phoenix is the long awaited web framework based on Elixir the highly concurrent language that combines a beautiful syntax with rich metaprogramming The best way to learn Phoenix is to code and you'll get to attack some interesting problems Start working with controllers views and templates within the first few pages Build an in memory context and then back it with an Ecto database layer complete with changesets and constraints that keep readers informed and your database integrity intact Craft your own interactive application based on the channels API for the real time applications that this ecosystem made famous Write your own authentication plugs and use the OTP layer for supervised services Organize code with modular umbrella projects This edition is fully updated for Phoenix 1.4 with a new chapter on using Channel Presence to find out who's connected even on a distributed application Use the new generators and the new ExUnit features to organize tests and make Ecto tests concurrent This is a book by developers and for developers and we know how to help you ramp up quickly Any book can tell you what to do When you've finished this one you'll also know why to do it What You Need To work through this book you will need a computer capable of running Erlang 18 or higher Elixir 1.5 or higher and Phoenix 1.4 or higher A rudimentary knowledge of Elixir is also highly recommended

Programming Phoenix Chris McCord, Bruce Tate, Jose Valim, 2016-04-20 Don't accept the compromise between fast and beautiful you can have it all Phoenix creator Chris McCord Elixir creator Jose Valim and award winning author Bruce Tate walk you through building an application that's fast and reliable At every step you'll learn from the Phoenix creators not just what to do but why Packed with insider insights this definitive guide will be your constant companion in your journey from Phoenix novice to expert as you build the next generation of web applications Phoenix is the long awaited web framework based on Elixir the highly concurrent language that combines a beautiful syntax with rich metaprogramming The authors who developed the earliest production Phoenix applications will show you how to create code that's easier to write test understand and maintain The best way to learn Phoenix is to code and you'll get to attack some interesting problems Start working with controllers views and templates within the first few pages Build an in memory repository and then back it with an Ecto database layer Learn to use change sets and constraints that keep readers informed and your database integrity intact Craft your own interactive application based on the channels API for the real time high performance applications that this ecosystem made famous Write your own authentication components called plugs and even learn to use the OTP layer for

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system test first There s no research necessary all the necessary formulas and algorithms are presented and illustrated right here Dive into intriguing topics from fundamental concepts such as vectors and matrices to the algorithms that simulate the intersection of light rays with spheres planes cubes cylinders and triangles to geometric patterns such as checkers and rings Lighting and shading effects such as shadows and reflections make your scenes come to life and constructive solid geometry CSG enables you to combine your graphics primitives in simple ways to produce complex shapes Play and experiment as you discover the fun of writing a ray tracer Accept the challenge today What You Need Aside from a computer operating system and programming environment you ll need a way to display PPM image files On Windows programs like Photoshop will work or free programs like IrfanView On Mac no special software is needed as Preview can open PPM files **Programming**

Ecto Darin Wilson,Eric Meadows-Jonsson,2019-04-01 Languages may come and go but the relational database endures Learn how to use Ecto the premier database library for Elixir to connect your Elixir and Phoenix apps to databases Get a firm handle on Ecto fundamentals with a module by module tour of the critical parts of Ecto Then move on to more advanced topics and advice on best practices with a series of recipes that provide clear step by step instructions on scenarios commonly encountered by app developers Co authored by the creator of Ecto this title provides all the essentials you need to use Ecto effectively Elixir and Phoenix are taking the application development world by storm and Ecto the database library that ships with Phoenix is going right along with them There are plenty of examples that show you the basics but to use Ecto to its full potential you need to learn the library from the ground up This definitive guide starts with a tour of the core features of Ecto repos queries schemas changesets transactions gradually building your knowledge with tasks of ever increasing complexity Along the way you ll be learning by doing a sample application handles all the boilerplate so you can focus on getting Ecto into your fingers Build on that core knowledge with a series of recipes featuring more advanced topics Change your pooling strategy to maximize your database s efficiency Use nested associations to handle complex table relationships Add streams to handle large result sets with ease Based on questions from Ecto users these recipes cover the most common situations developers run into Whether you re new to Ecto or already have an app in production this title will give you a deeper understanding of how Ecto works and help make your database code cleaner and more efficient What You Need To follow along with the book you should have Erlang OTP 19 and Elixir 1.4 installed The book will guide you through setting up a sample application that integrates Ecto **Functional Programming: A PragPub Anthology** Michael

Swaine,2017-07-20 Explore functional programming and discover new ways of thinking about code You know you need to master functional programming but learning one functional language is only the start In this book through articles drawn from PragPub magazine and articles written specifically for this book you ll explore functional thinking and functional style and idioms across languages Led by expert guides you ll discover the distinct strengths and approaches of Clojure Elixir Haskell Scala and Swift and learn which best suits your needs Contributing authors Rich Hickey Stuart Halloway Aaron

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web the process of photosynthesis can be summarized by the following equation $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$ which of the following best describes how photosynthesis results in a net storage of chemical potential energy

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