Elixir Phoenix Tutorial

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Phoenix Framework Tutorial Part 1 (elixir part 6) Build a JSON API with Elixir / Phoenix in under an hour Elixir/Phoenix Basics: CRUD *Learning Elixir (Phoenix Framework) - Part 1 - Programming Stream - 06-06-2018 Full stack application with Elixir, GraphQL \u0026 React: API setup and data structures* Build a real-time Twitter clone in 15 minutes with LiveView and Phoenix 1.5 Introduction to Elixir

Basic Elixir/Phoenix app with MySQL database - Part 1 - Elixir/Phoenix on Digital Ocean~~Learn the Phoenix Framework Create a Blog App Part 1 Elixir Tutorial~~ ~~From Front End to Full Stack with Elixir \u0026 Phoenix - Lauren Tan~~ Livestream: Building a productivity app with Elixir, Phoenix and TailwindCSS Part 1 ~~Why Elixir Matters: A Genealogy of Functional Programming~~ Elixir: The Documentary

GOTO 2018 • Functional Programming in 40 Minutes • Russ Olsen~~Intro to OTP in Elixir~~

Elixir vs Scala - LUDWIK BUKOWSKI~~Philipp Schmieder - From Zero to Elixir Deployment - ElixirConf EU 2019~~ ElixirConf 2020 - German Velasco - Testing LiveView ~~How to Build a Todo List with Phoenix LiveView (Link to updated video in the description)~~ Versioned API in Elixir with Phoenix elixir ~~tutorial part 1~~ *How to Create a Todo List with Phoenix LiveView (Updated for Phoenix 1.5) Elixir Database with Ecto My first Elixir / Phoenix app is too fast!* Simple Phoenix LiveView App: Setup

Phoenix Framework Tutorial Part 2 (elixir part 7)~~Ueberauth Oauth 2 Walkthrough (Phoenix Framework)~~

Building a productivity app with Elixir, Phoenix and TailwindCSS (Part 5)

Phoenix LiveView for web developers who don't know Elixir.**Elixir Phoenix Tutorial**
Elixir & Phoenix Tutorial: Build an Authenticated App You can't escape Phoenix if you're looking for a good framework to build on when using Elixir.

Elixir & Phoenix Tutorial: Build an Authenticated App
Learn to create web apps with this step by step tutorial. Meant for programmers of all skill levels, we'll start with a crash course in Elixir (the language that Phoenix is built on) and then build the inventory management app Star Tracker.

The Phoenix Tutorial- Learn Web Development with Elixir ...
In this tutorial, we will see together how to create a simple prototype for a ride sharing application with Elixir and the Phoenix framework, using some of its real-time communication features ...

Building a Ride Sharing App with Elixir and Phoenix...

Phoenix Tutorials Learn and find inspiration on building Phoenix Apps with the tutorials. The tutorials cover a wide variety of features from database modeling to file uploads.

Fullstack Phoenix - Tutorials and screencasts for Elixir ...

— I thought it's time to learn another web framework and after doing some research, I chose Elixir and Phoenix for many reasons such as performance, latency and of course Erlang VM. I reckon Ruby developers will find this powerful framework amazing and easy to learn as the syntax is really close to what Ruby offers.

Building a RESTful API Backend with Authentication using ...

Join me as I demo my first real Elixir app and go through some of the reasons I'm really excited about the future of Elixir and the Phoenix framework. You w...

My first Elixir / Phoenix app is too fast! - YouTube

Phoenix is a relatively new server-side framework (compared to Rails or Django) written in Elixir. It boasts great performance and fault-tolerance so it is getting quite popular these days. In this article, we will talk about the basic components of Phoenix and create a very simple web application so that you can get a sense of how Phoenix ...

Introduction to The Phoenix Framework & How It Works in Action

Learn Elixir and Phoenix ElixirCasts makes it easy to learn how to build applications with Elixir and Phoenix Subscribe to the Alchemist's Edition. Watched by developers everywhere Join and see for yourself what makes Elixir special Episodes 100+ Watch anytime 24/7 Members 4000+ ...

Learn Elixir and Phoenix - ElixirCasts

This tutorial is created for software programmers who aim to learn the fundamentals of Elixir programming language from scratch. This tutorial will give you a basic foundation to start programming in Elixir programming language.

Elixir Tutorial - Tutorialspoint

In this tutorial, we are going to teach you about Elixir fundamentals - the language syntax, how to define modules, how to manipulate the characteristics of common data structures, and more. This chapter will focus on ensuring that Elixir is installed and that you can successfully run Elixir's Interactive Shell, called IEx.

Introduction - The Elixir programming language

Learning Elixir? Check out these best online Elixir courses and tutorials recommended by the programming community. Pick the tutorial as per your

learning style: video tutorials or a book. Free course or paid. Tutorials for beginners or advanced learners. Check Elixir community's reviews & comments.

Learn Elixir - [2020] Best Elixir Tutorials | Hackr.io

Learn to Build Scalable Apps with Elixir Phoenix Tutorial In this course, you will start from scratch with Elixir and then move on to Phoenix -- the next generation web framework that is set to replace a lot of deployments of Ruby, Django, PHP, and even Node.

8 Best Elixir Tutorials and Courses - [2021 Edition]

Phoenix LiveView Tutorial: Adding Phoenix PubSub and Pow Authentication to Messenger 5 top-tier companies that use Elixir Phoenix LiveView Tutorial: Handling Connection Errors And Push Notifications With JS Hooks

Top 5 Elixir Skills to Learn in 2021 [for Juniors] – Curiosum

This course will get you up and running with Elixir and Phoenix quickly, and teach you the core knowledge you need to deeply understand and build amazingly fast web applications. We'll start by mastering the fundamentals of functional programming with Elixir, including functions, modules, and the fantastic 'pipe' operator.

Learn Elixir—Top Elixir Tutorials —[Updated 2020] | by ...

Published 13 Feb - Updated 01 May. Tagging interface with Phoenix LiveView and Tailwind - Tagging part 2 forms liveview phoenix tagging tailwind typeahead. In the previous tutorial, I set up the the backend for being able to add tags to products.

Fullstack Phoenix - Tutorials and screencasts for Elixir ...

Although the db container is up and running, the app is looking for the database that is declared in dev.exs, in this case atlas_dev.The third command will take care of this: Terminal Tab 2 docker-compose exec web mix ecto.setup; That command uses exec web to execute the mix command in the currently running web container. The ecto.setup command is from the mix.exs file, and runs a list of ...

Elixir/Phoenix Project: Dockerizing - DEV

Phoenix LiveView Tutorial: Bootstrap Your Messenger App We're back with the first practical part of our Modern Talking with Elixir series, and this time we'll get the initial setup for our Phoenix LiveView-based Messenger app up and running.

Phoenix LiveView Tutorial: Bootstrap Your Messenger App ...

Learn Elixir, Phoenix and LiveView and create your great apps! Articles, tutorials and screencasts for web developers learning Elixir, Phoenix, LiveView, Docker and more.

Poeticoding - Learn Elixir, Phoenix and LiveView and ...

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Summary Phoenix is a modern web framework built for the Elixir programming language. Elegant, fault-tolerant, and performant, Phoenix is as easy to use as Rails and as rock-solid as Elixir's Erlang-based foundation. Phoenix in Action builds on your existing web dev skills, teaching you the unique benefits of Phoenix along with just enough Elixir to get the job done. Foreword by Sasa Juric, author of Elixir in Action, Second Edition. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Modern web applications need to be efficient to develop, lightning fast, and unfailingly reliable. Phoenix, a web framework for the Elixir programming language, delivers on all counts. Elegant and intuitive, Phoenix radically simplifies the dev process. Built for concurrency, Phoenix channels make short work of developing real-time applications. And as for reliability, Phoenix apps run on the battle-tested Erlang VM, so they're rock solid! About the Book Phoenix in Action is an example-based book that teaches you to build production-quality web apps. You'll handle business logic, database interactions, and app designs as you progressively create an online auction site. As you go, you'll build everything from the core components to the real-time user interactions where Phoenix really shines. What's inside Functional programming in a web environment An introduction to Elixir Database interactions with Ecto Real-time communication with channels About the Reader For web developers familiar with a framework like Rails or ASP.NET. No experience with Elixir or Phoenix required. About the Author Geoffrey Lessel is a seasoned web developer who speaks and blogs about Elixir and Phoenix. Table of Contents PART 1 - GETTING STARTED Ride the Phoenix Intro to Elixir A little Phoenix overview PART 2 - DIVING IN DEEP Phoenix is not your application Elixir application structure Bring in Phoenix Making changes with Ecto.Changeset Transforming data in your browser Plugs, assigns, and dealing with session data Associating records and accepting bids PART 3 - THOSE IMPORTANT EXTRAS Using Phoenix channels for real-time communication Building an API Testing in Elixir and Phoenix

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.

The days of the traditional request-response web application are long gone, but you don't have to wade through oceans of JavaScript to build the interactive applications today's users crave. The innovative Phoenix LiveView library empowers you to build applications that are fast and highly interactive, without sacrificing reliability. This definitive guide to LiveView isn't a reference manual. Learn to think in LiveView. Write your code layer by layer, the way the experts do. Explore techniques with experienced teachers to get the best possible performance. Instead of settling for traditional manuals and tutorials, get insights that can only be learned from experience. Start with the Elixir language techniques that effortlessly marry your client templates and server-side handlers. Design your systems with the right layers in the right places so that your code is easier to understand, change, and support. Explore features like multi-part uploads and learn how to comprehensively test your live views. Roll into advanced techniques to tie your code to other services through the powerful publish-subscribe interface. LiveView brings the most important programming techniques from the popular Elm and JavaScript React frameworks to Elixir. You'll experience firsthand how to harness that power by working side by side with some of the first LiveView users. You will write your programs to change data on the server, and you'll see how LiveView efficiently detects those changes and reflects them on the web page. Start from scratch, use built-in generators, and craft reusable components. Your single-purpose reducers will transform server data that your renderers can turn into efficient client-side diffs. Don't settle for knowing how things work. To get the most out of LiveView, you need to know why they work that way. Co-authored by one of the most prolific authors and teachers in all of Elixir, this book is your perfect guide to one of the most important new frameworks of our generation. What You Need: Programming Phoenix LiveView uses Phoenix version 1.5, and any Elixir version compatible with it. You will also want PostgreSQL and JavaScript Node.

Give users the real-time experience they expect, by using Elixir and Phoenix Channels to build applications that instantly react to changes and reflect the application's true state. Learn how Elixir and Phoenix make it easy and enjoyable to create real-time applications that scale to a large number of users. Apply system design and development best practices to create applications that are easy to maintain. Gain confidence by learning how to break your applications before your users do. Deploy applications with minimized resource use and maximized performance. Real-time applications come with real challenges - persistent connections, multi-server deployment, and strict performance requirements are just a few. Don't try to solve these challenges by yourself - use a framework that handles them for you. Elixir and Phoenix Channels provide a solid foundation on which to build stable and scalable real-time applications. Build applications that thrive for years to come with the best-practices found in this book. Understand the magic of real-time communication by inspecting the WebSocket protocol in action. Avoid performance pitfalls early in the development lifecycle with a catalog of common problems and their solutions. Leverage GenStage to build a data pipeline that improves scalability. Break your application before your users do and confidently deploy them. Build a real-world project using solid application design and testing practices that help make future changes a breeze. Create distributed apps that can scale to many users with tools like Phoenix Tracker. Deploy and monitor your application with confidence and reduce outages. Deliver an exceptional real-time experience to your users, with easy maintenance, reduced operational costs, and maximized performance, using Elixir and Phoenix Channels. What You Need: You'll need Elixir 1.9+ and Erlang/OTP 22+ installed on a Mac OS X, Linux, or Windows machine.

This book is the introduction to Elixir for experienced programmers, completely updated for Elixir 1.6 and beyond. Explore functional programming without the academic overtones (tell me about monads just one more time). Create concurrent applications, butget them right without all the locking and consistency headaches. Meet Elixir, a modern, functional, concurrent language built on the rock-solid Erlang VM. Elixir's pragmatic syntax and built-in

support for metaprogramming will make you productive and keep you interestedfor the long haul. Maybe the time is right for the Next Big Thing. Maybe it's Elixir. Functional programming techniques help you manage the complexities of today's real-world, concurrent systems; maximize uptime; and manage security. Enter Elixir, with its modern, Ruby-like, extendable syntax, compile and runtime evaluation, hygienic macro system, and more. But, just as importantly, Elixir brings a sense of enjoyment to parallel,functional programming. Your applications become fun to work with, and the language encourages you to experiment. Part 1 covers the basics of writing sequential Elixir programs. We'll look at the language, the tools, and the conventions. Part 2 uses these skills to start writing concurrent code-applications that use all the cores on your machine, or all the machines on your network! And we do it both with and without OTP. Part 3 looks at the more advanced features of the language, from DSLs and code generation to extending the syntax. This edition is fully updated with all the new features of Elixir 1.6, with a new chapter on structuring OTP applications, and new sections on the debugger, code formatter, Distillery, and protocols. What You Need: You'll need a computer, a little experience with another high-levellanguage, and a sense of adventure. No functional programmingexperience is needed.

Summary Revised and updated for Elixir 1.7, Elixir in Action, Second Edition teaches you how to apply Elixir to practical problems associated with scalability, fault tolerance, and high availability. Along the way, you'll develop an appreciation for, and considerable skill in, a functional and concurrent style of programming. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology When you're building mission-critical software, fault tolerance matters. The Elixir programming language delivers fast, reliable applications, whether you're building a large-scale distributed system, a set of backend services, or a simple web app. And Elixir's elegant syntax and functional programming mindset make your software easy to write, read, and maintain. About the Book Elixir in Action, Second Edition teaches you how to build production-quality distributed applications using the Elixir programming language. Author Saša Jurić introduces this powerful language using examples that highlight the benefits of Elixir's functional and concurrent programming. You'll discover how the OTP framework can radically reduce tedious low-level coding tasks. You'll also explore practical approaches to concurrency as you learn to distribute a production system over multiple machines. What's inside Updated for Elixir 1.7 Functional and concurrent programming Introduction to distributed system design Creating deployable releases About the Reader You'll need intermediate skills with client/server applications and a language like Java, C#, or Ruby. No previous experience with Elixir required. About the Author Saša Jurić is a developer with extensive experience using Elixir and Erlang in complex server-side systems. Table of Contents First steps Building blocks Control flow Data abstractions Concurrency primitives Generic server processes Building a concurrent system Fault-tolerance basics Isolating error effects Beyond GenServer Working with components Building a distributed system Running the system

Elixir and Phoenix are generating tremendous excitement as an unbeatable platform for building modern web applications. For decades OTP has helped developers create incredibly robust, scalable applications with unparalleled uptime. Make the most of them as you build a stateful web app with Elixir, OTP, and Phoenix. Model domain entities without an ORM or a database. Manage server state and keep your code clean with OTP Behaviours. Layer on a Phoenix web interface without coupling it to the business logic. Open doors to powerful new techniques that will get you thinking about web development in fundamentally new ways. Elixir and OTP provide exceptional tools to build rock-solid back-end applications that scale. In this book, you'll build a web application in a radically different way, with a back end that holds application state. You'll use persistent Phoenix Channel connections instead of HTTP's request-response, and create the full application in distinct, decoupled layers. In Part 1, start by building the business logic as a separate application, without Phoenix. Model the application domain with Elixir functions and simple data structures. By keeping state in memory instead of a database, you can reduce

latency and simplify your code. In Part 2, add in the GenServer Behaviour to make managing in-memory state a breeze. Create a supervision tree to boost fault tolerance while separating error handling from business logic. Phoenix is a modern web framework you can layer on top of business logic while keeping the two completely decoupled. In Part 3, you'll do exactly that as you build a web interface with Phoenix. Bring in the application from Part 2 as a dependency to a new Phoenix project. Then use ultra-scalable Phoenix Channels to establish persistent connections between the stateful server and a stateful front-end client. You're going to love this way of building web apps! What You Need: You'll need a computer that can run Elixir version 1.5 or higher and Phoenix 1.3 or higher. Some familiarity with Elixir and Phoenix is recommended.

Adoption is more than programming. Elixir is an exciting new language, but to successfully get your application from start to finish, you're going to need to know more than just the language. The case studies and strategies in this book will get you there. Learn the best practices for the whole life of your application, from design and team-building, to managing stakeholders, to deployment and monitoring. Go beyond the syntax and the tools to learn the techniques you need to develop your Elixir application from concept to production. Learn real-life strategies from the people who built Elixir and use it successfully at scale. See how Ben Marx and Bleacher Report maintain one of the highest-traffic Elixir applications by selling the concept to management and delivering on that promise. Find out how Bruce Tate and icanmakeitbetter hire and train Elixir engineers, and the techniques they've employed to design and ensure code consistency since Elixir's early days. Explore customer challenges in deploying and monitoring distributed applications with Elixir creator Jose Valim and Plataformatec. Make a business case and build a team before you finish your first prototype. Once you're in development, form strategies for organizing your code and learning the constraints of the runtime and ecosystem. Convince stakeholders, both business and technical, about the value they can expect. Prepare to make the critical early decisions that will shape your application for years to come. Manage your deployment with all of the knobs and gauges that good DevOps teams demand. Decide between the many options available for deployment, and how to best prepare yourself for the challenges of running a production application. This book picks up where most Elixir books leave off. It won't teach you to program Elixir, or any of its tools. Instead, it guides you through the broader landscape and shows you a holistic approach to adopting the language. What You Need: This book works with any version of Elixir.

The Phoenix web development framework is an object-oriented application development tool written in Elixir. With Elixir and Phoenix, you build your application the right way, ready to scale and ready for the increasing demands of real-time web applications. If you have some knowledge of Elixir, have experience with web frameworks in other ...

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.

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