

Extracted from:

Functional Web Development with Elixir, OTP, and Phoenix

Rethink the Modern Web App

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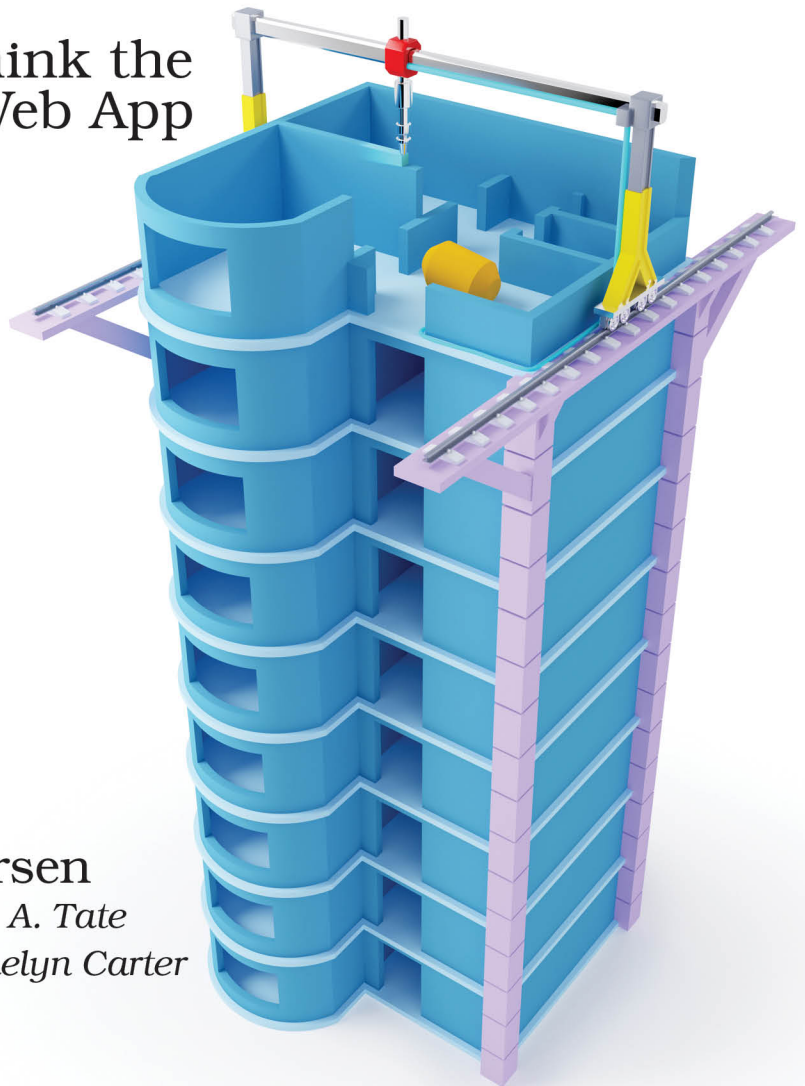
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Raleigh, North Carolina

Functional Web Development with Elixir, OTP, and Phoenix

Rethink the
Modern Web App



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Preface

Elixir, OTP, and Phoenix make a beautiful and powerful team. Throughout this book we'll be building a web application together that shows what they can really do when used well together.

We'll see their beauty as we create cleanly separated application layers with clear responsibilities.

We'll see their power as we tackle long standing problems in web development, and move out into new directions.

Most of all, we'll have fun, and learn things we can use to make the code for your day job or side projects more beautiful, easier to maintain, and simply a joy to work on.

Who This Book is For

On a practical level, this book is for people who have some familiarity with Elixir and Phoenix, and who want to take that knowledge further. But there's a wider list for whom the ideas in this book will resonate.

For people who view OTP with a little trepidation, or for those who haven't quite mastered OTP Behaviours, this book will give you the confidence to use OTP in any application.

For people who have felt the sting of tight coupling between business logic and web frameworks, this book will show you a way out of that pain forever.

For people who feel constrained by traditional web development, you'll learn new techniques and new ways to structure apps that will spark your imagination.

For people who are wondering what all the fuss is about with Elixir and Phoenix, you'll get a great taste of what makes people so excited. You just might become a convert!

How to Read This Book

The book is ordered around building an application in sequential layers. If you're planning on implementing the game as you read, which is a great idea, it's important to work through the chapters in order.

If you're the sort of reader that likes to skip around, though, all is not lost. You can read the first few sections of any chapter—up until where we start to really implement the code—in any order, and they will still hold value.

Online Resources

The code we'll develop is available at the Pragmatic Programmers site for this book. There's also a community forum and errata-submission form for you to ask questions, report any problems with the text, or make suggestions for future versions.¹

In addition, there will be an organization on github devoted to community-supplied frontend implementations, in a variety of different languages and frameworks, for the application we're about to build.²

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1. <https://pragprog.com/book/lhelp/functional-web-development-with-elixir-otp-and-phoenix>
 2. <https://github.com/functional-web-dev>