AngularJS Directives

By Alex Vanston

AngularJS Directives By Alex Vanston

Intermediate JavaScript developers could take a big step forward with this essential step-by-step tutorial to AngularJS directives. By the end you'll be building dynamic web applications with multiple modules.

Overview

- Learn how to build an AngularJS directive
- Create extendable modules for plug-and-play usability
- Build apps that react in real-time to changes in your data model

In Detail

AngularJS, propelled by Google, is quickly becoming one of the most popular JavaScript MVC frameworks available, working to invert the development paradigm and bring data-driven modularity to the web frontend. Directives serve as the core building blocks in AngularJS and enable you to create reusable models that mold around your data structures and breathe new life into the intersection of HTML and JavaScript.

AngularJS Directives serves as an in-depth study of some of the core features of AngularJS and provides you with all the knowledge you need to create fully dynamic web applications that respond in real-time to changes in data. You'll learn how to build directives from the ground up as well as some of the best practices for architecting them. By the end of this book, you'll be able to create a web application comprised of multiple modules all working together seamlessly to provide the best possible user experience.

AngularJS Directives starts by investigating the best practices for single-page application development overall before diving into how AngularJS directives fulfill those goals. At each step, you'll learn both the how and why of what we're building, and by the end, you'll not only know the facts necessary to create a directive, but you'll also have the knowledge to decide how best to assemble it.

You'll also learn why it's best to build applications with the data-model as your foundation, how to craft new dynamic modules that communicate with each other, how to build widgets that can be embedded in third-party websites, and even how to create custom inputs so your users can intuitively interact with your data. In AngularJS Directives, you'll learn all the necessary tools to begin architecting your own directives and how to use them in the construction of a more dynamic Web.

What you will learn from this book

- Craft a dynamic module that reflects data changes in real-time
- Create an interconnected single-page application
- Build third-party widgets
- Consume existing content and integrate it into your directive
- Integrate AngularJS with jQuery plugins
- Communicate with other modules via messaging
- Unit test your AngularJS directive
- Set up and execute browser functionality tests with the Angular Scenario Runner

Approach

This book uses a practical, step-by-step approach, starting with how to build directives from the ground up before moving on to creating web applications comprised of multiple modules all working together to provide the best user experience possible.

Who this book is written for

This book is intended for intermediate JavaScript developers who are looking to enhance their understanding of single-page web application development with a focus on AngularJS and the JavaScript MVC frameworks.

It is expected that readers will understand basic JavaScript patterns and idioms and can recognize JSON formatted data.

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Editorial Review

About the Author

Alex Vanston

Alex Vanston is a self-professed geek and outdoor junkie fused together. During high-school he began teaching himself how to code and has been obsessed with learning new languages and better ways to solve problems ever since. He has been building web sites and applications professionally for the past seven years for clients and companies around the world. Currently he lives in Denver, CO, where he loves hiking (5 14ers down, 49 to go), playing pickup sports, and water skiing when he can. He's the lead front end developer for ZipKick, Inc, a travel start up taking off in San Francisco, CA. You can find him online at **http//www.mrvdot.com**, where he blogs about web development and tech.

Users Review

From reader reviews:

Will Cathcart:

The publication with title AngularJS Directives posesses a lot of information that you can study it. You can get a lot of help after read this book. This kind of book exist new know-how the information that exist in this guide represented the condition of the world today. That is important to yo7u to find out how the improvement of the world. This book will bring you within new era of the globalization. You can read the e-book in your smart phone, so you can read it anywhere you want.

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