React.js Essentials

By Artemij Fedosejev

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A fast-paced guide to designing and building scalable and maintainable web apps with React.js

About This Book

- Build maintainable and performant user interfaces for your web applications using React.js
- Create reusable React.js components to save time and effort in maintaining your user interfaces
- Learn how to build a ready-to-deploy React.js web application, following our step-by-step tutorial

Who This Book Is For

If you're a front-end developer with knowledge of jQuery and its libraries, along with frameworks, such as Angular.JS and Backbone.JS, or native JavaScript development, and you wish to use the fastest web user interface library there is, then this book is ideal for you.

What You Will Learn

- Install powerful React.js tools to make development much more efficient
- Create React elements with properties and children
- Get started with stateless and stateful React components
- Use JSX to speed up your React.js development process
- Add reactivity to your React components with lifecycle methods
- Integrate your React components with other JavaScript libraries
- Utilize the Flux application architecture with your React components
- Test your React components with Jest test framework

In Detail

Building web applications with maintainable and performant user interfaces is a challenge that many have faced for more than a decade, but no one has risen to

this challenge quite like React.js. Today React.js is used by Facebook, Instagram, Khan Academy, and Imperial College London, to name a few. Many new users recognize the benefits of React.js and adopt it in their own projects, forming a fast-growing community. The speed at which React.js has evolved promises a bright future for those who invest in learning it today.

React.js Essentials will take you on a fast-paced journey through building your own maintainable React.js application. Begin by exploring how you can create single and multiple user interface elements. Create stateless and stateful components and make them reactive, learn to interact between your components and lifecycle methods and gauge how to effectively integrate your user interface components with other JavaScript libraries. Delve deep into the core elements of the Flux architecture and learn how to manage your application using stores. Finish by going that extra mile with the Jest test framework, running multiple tests on your application and find solutions to scale it further without complexity.

Style and approach

The book adopts a step-by-step, hands-on approach with ample codes to ensure you learn React.js at a fast pace.

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Editorial Review

About the Author

Artemij Fedosejev

Artemij Fedosejev is a technical lead living in London, United Kingdom. He is a self-taught web developer who has been a web developer since the early 2000s. Artemij earned his BSc in computer science from University College Cork, Ireland. He participated in the IGNITE Graduate Business Innovation Programme, where he built and launched a website that received the Most Innovative Project award. After graduation, Artemij moved to London to help local start-up companies build their products. He worked with JavaScript, Node.js, HTML5, CSS3, and other modern web technologies. After gaining some experience in the start-up industry, Artemij was presented with an opportunity to join Imperial College, London, work on a research and development, project and take leadership in creating frontends for a couple of web applications in the public health space. He played a key role in creating frontend architecture using React.js and Flux for WGSA.net and Microreact. org. Artemij created a number of open source projects such as Snapkite Engine, Snapkite Stream Client, and other projects, which can be found on his GitHub account at https://github.com/fedosejev. He is also the author of the http://react.tips website.

Users Review

From reader reviews:

Carl Vincent:

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