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Your React Components with Another Library ""; "Using another library in your React component"; "Understanding React component's lifecycle methods"; "Mounting methods"; "The `getInitialState` method"; "The `componentWillMount` method"; "The `componentDidMount` method"; "Unmounting methods"; "The `componentWillUnmount` method"; "Summary"; "Chapter 6: Update Your React Components"; "Understanding component lifecycle's updating methods"; "The `componentWillReceiveProps` method"; "The `shouldComponentUpdate` method"; "The `componentWillUpdate` method"; "The `componentDidUpdate` method"; "Setting default React component properties"; "Validating React component properties"; "Creating a Collection component"; "Summary"; "Chapter 7 : Build Complex React Components"; "Creating the TweetList component"; "Creating the CollectionControls component"; "Creating the CollectionRenameForm component"; "Creating the Button component"; "Creating the CollectionExportForm component"; "Summary"; "Chapter 8: Test Your React Application with Jest"; "Why write unit tests?"; "Creating test suits, specs, and expectations"; "Installing and running Jest"; "Creating multiple specs and expectations"; "Testing React components"; "Summary"; "Chapter 9: Supercharge Your React Architecture with Flux"; "Analyzing your web application's architecture"; "Understanding Flux"; "Creating a dispatcher"; "Creating an action creator"; "Creating a store"; "Summary"; "Chapter 10: Prepare Your React Application for Painless Maintenance with Flux"; "Decoupling concerns with Flux"; "Refactoring the Stream component"; "Creating CollectionStore"

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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-st...
