Single Page Web Applications: JavaScript end-to-end

Michael Mikowski, Josh Powell

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Summary

In *Single Page Web Applications* you'll learn to build modern browser-based apps that take advantage of stronger client platforms and more predictable bandwidth. You'll learn the SPA design approach, and then start exploring new techniques like structured JavaScript and responsive design. And you'll learn how to capitalize on trends like server-side JavaScript and NoSQL data stores, as well as new frameworks that make JavaScript more manageable and testable as a first-class language.

About this Book

If your website is a jumpy collection of linked pages, you are behind. Single page web applications are your next step: pushing UI rendering and business logic to the browser and communicating with the server only to synchronize data, they provide a smooth user experience, much like a native application. But, SPAs can be hard to develop, manage, and test.

Single Page Web Applications shows how your team can easily design, test, maintain, and extend sophisticated SPAs using JavaScript end-to-end, without getting locked into a framework. Along the way, you'll develop advanced HTML5, CSS3, and JavaScript skills, and use JavaScript as the language of the web server and the database.

This book assumes basic knowledge of web development. No experience with SPAs is required.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

What's Inside

- Design, build, and test a full-stack SPA
- Best-in-class tools like jQuery, TaffyDB, Node.js, and MongoDB
- Real-time web with web sockets and Socket.IO
- Touch controls for tablets and smartphones
- Common SPA design mistakes

About the Authors

The authors are architects and engineering managers. **Michael Mikowski** has worked on many commercial SPAs and a platform that processes over 100 billion requests per year. **Josh Powell** has built some of the most heavily trafficked sites on the web.

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6. Finish the Model and Data modules PART 3: THE SPA SERVER
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9. Readying our SPA for production

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