

Head First HTML5 Programming: Building Web Apps with JavaScript

By Eric Freeman, Elisabeth Robson

HTML has been on a wild ride. Sure, HTML started as a mere markup language, but more recently HTML's put on some major muscle. Now we've got a language tuned for building web applications with Web storage, 2D drawing, offline support, sockets and threads, and more. And to speak this language you've got to go beyond HTML5 markup and into the world of the DOM, events, and JavaScript APIs.

Now you probably already know all about HTML markup (otherwise known as structure) and you know all about CSS style (presentation), but what you've been missing is JavaScript (behavior). If all you know about are structure and presentation, you can create some great looking pages, but they're still just pages. When you add behavior with JavaScript, you can create an interactive experience; even better, you can create full blown web applications.

Head First HTML5 Programming is your ultimate tour guide to creating web applications with HTML5 and JavaScript, and we give you everything you need to know to build them, including: how to add interactivity to your pages, how to communicate with the world of Web services, and how to use the great new APIs being developed for HTML5.

Here are just some of the things you'll learn in *Head First HTML5 Programming*:

- Learn how to make your pages truly interactive by using the power of the DOM.
- Finally understand how JavaScript works and take yourself from novice to well-informed in just a few chapters.
- Learn how JavaScript APIs fit into the HTML5 ecosystem, and how to use any API in your web pages.
- Use the Geolocation API to know where your users are.
- Bring out your inner artist with Canvas, HTML5's new 2D drawing surface.
- Go beyond just plugging a video into your pages, and create custom video experiences.
- Learn the secret to grabbing five megabytes of storage in every user's browser.
- Improve your page's responsiveness and performance with Web workers.
- And much more.

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Review

"HTML5 is the "future of the web". How many times have you heard that? If you really want to understand the family of technologies that make up HTML5, read this book! Head First HTML5 Programming is the definitive book on HTML5 for everyone from beginners to experienced developers."

-- Aaron LaBerge, Senior Vice President, ESPN.com.

From the Back Cover

You want to create web pages that are dynamic, interactive, data-rich, connected. Wait, web pages? Why not use HTML5 to create full-blown web applications? And, why not do it using modern techniques that apply as easily to your desktop browser as they do to mobile devices? And, of course, you want to do it with all the newest HTML5 technologies, like geolocation, video, 2D drawing, web storage, web workers, and more, right?

Head First HTML5 Programming is your express ticket to learning how to build web applications using today's standards and tomorrow's best practices. Sure, you'll learn the basics of HTML5's APIs in this book, but even better, you'll learn how those APIs interact with your pages, how they're powered by JavaScript, and how you can use them to build web apps that will impress your boss and amaze your friends.

About the Author

Eric Freeman and Elisabeth Robson are co-founders of Wickedly Smart, an education company devoted to helping customers gain mastery in web technologies.

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