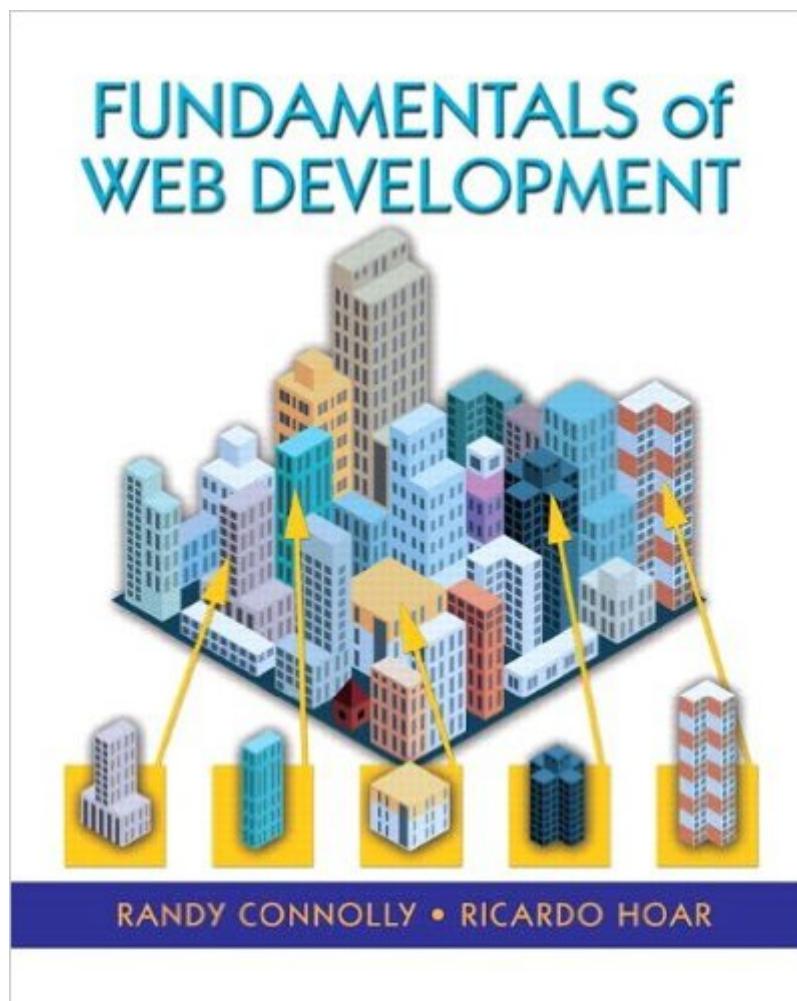


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# Fundamentals Of Web Development



## Synopsis

Fundamentals of Web Development covers the broad range of topics required for modern web development (both client- and server-side) and is appropriate for students who have taken a CS1 course sequence. The book guides students through the creation of enterprise-quality websites using current development frameworks, its comprehensive coverage of a modern internet development platform—includes HTML5, CSS3, Javascript, and the LAMP stack (that is, Linux, Apache, MySQL, and PHP). Other important technologies covered include jQuery, XML, WordPress, Bootstrap, and a variety of third-party APIs that include Facebook, Twitter, and Google and Bing Maps. Coverage also includes the required ACM web development topics in a modern manner closely aligned with best practices in the real world—of web development. **Teaching and Learning Experience** Help students master the fundamentals of web development:—A true grasp of web development requires an understanding of both the foundations of the web and current web development practices. Support learning outcomes in various teaching scenarios:—This book allows instructors to chart their own unique way through the topics that make up contemporary web development.

## Book Information

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## Customer Reviews

I was one of the tech reviewers for this book and I work as an instructional assistant with both authors at Mount Royal University, supporting the kinds of students this book was written for. This book covers a \*lot\* of ground – too bad you can't see a chapter listing for this text on . :( I won't list out all 21 chapters, but will say topics like html/css, php, javascript, xml, security, cms, web

services, web server admin, seo, and social network integration get a chapter (or more). I found this book visually easy to follow, which is great if you're a visual learner (like I am). There are lots (and lots!) of diagrams, the majority being very helpful in explaining concepts (instead of being just eye-candy-content-padding-filler). The layout is appealing, with enough white space and color highlighting to avoid the oh-look-a-wall-of-text effect. As the book description blurb says here on , it "is appropriate for students who have taken a CS1 course sequence", so if you're totally new to programming, things are going to get confusing once the later chapters start tossing php and javascript code your way. (This isn't surprising, given this is meant to be a textbook for students past their first semester.) I actually think it's a bit of a shame this is being plugged only as a textbook, as I honestly believe that anyone with some developing experience who is interested in getting into webdev would be well-served by this book - I personally learned many things reviewing the book. (The css sections on the box model and the cascade - two topics which I've seen many students struggle with over 10 years of helping them here at MRU - are particularly well done.) Each chapter ends with the usual textbook content (a.k.a.

As an instructor teaching web development at the university level, I am always on the lookout for textbooks that adequately cover modern web technologies. This one does and does it well. With all the new technologies that have appeared on the web scene in the last 3 years, academic publishers have had a difficult time keeping up with the fast pace of change. *Fundamentals of Web Development* is one of the few books that come with a full set of instructor resources, and that actually cover the material students need as a foundational knowledge base for today's web. Be aware that this is not your grandfather's HTML! This book is comprehensive and covers some very advanced web development practices, from client-side HTML5/CSS & Javascript to advanced CSS layouts, frameworks and responsive design, to non-trivial server-side development using the LAMP/MAMP/WAMP stack, and more. Security, jQuery, AJAX, XML, JSON and RESTful Web Services, CMS and Wordpress, DNS and Webserver Administration, Search Engines and Social are all there. There is enough material and depth here to use this book as a single textbook for two or three core courses in a web concentration curriculum, which would be a huge savings for students. Chapters 1 through 7 cover client-side development and are ideal for an introductory course for technical students in IT, IS or CS. Visually the book, PowerPoint slides and end of chapter projects are exceptional, especially the Art Store project that incorporates the HTML boilerplate framework for responsive design and comes with a full set of graphics and images.

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