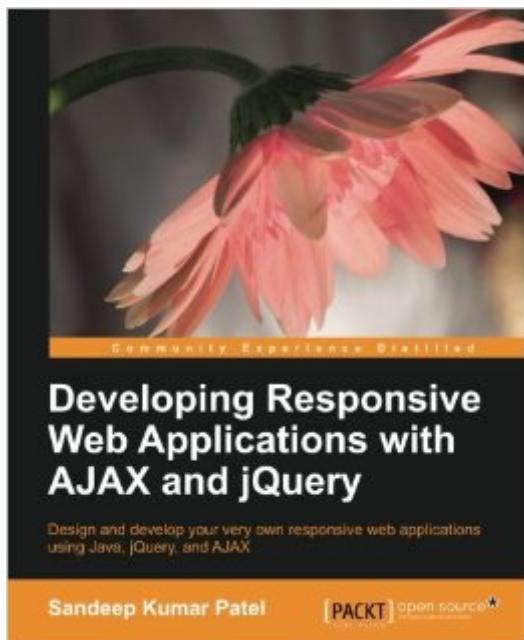


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# Developing Responsive Web Applications With AJAX And JQuery



## Synopsis

Design and develop your very own responsive web applications using Java, jQuery, and AJAX

**About This Book** A practical guide to empower you to develop responsive web applications by combining the strengths of AJAX and jQuery. Learn how to build a series of web applications on top of a website quickly and efficiently. By the end of this book, you will have mastered ways with which you can leverage AJAX and jQuery as per your project needs.

**Who This Book Is For** This book is intended for Java developers wanting to create rich and responsive applications using AJAX. Basic experience of using jQuery is assumed.

**What You Will Learn**

- Build responsive, fluid layouts using Bootstrap 3
- Create JSON data and integrate it with your web pages using AJAX calls
- Integrate Twitter, Facebook, and Google+ into your application
- Incorporate Google currency converter into your application
- Fuse YouTube videos and third-party shopping carts to your application
- Debug and test responsive web applications

**In Detail** AJAX is a web development technique that allows a web page to be updated with new information without having to reload the page. jQuery is a JavaScript library that harnesses AJAX interactions to allow rapid web development. Together, they are a powerful combination, and are generally considered by frontend web developers as technologies that complement each other perfectly.

**Developing Responsive Web Applications with AJAX and jQuery** will empower you with the skills required to create responsive web applications in a quick and efficient manner. The book begins by identifying the key benefits of a responsive application for a commercial site, and then covers how to develop a layout using Bootstrap 3 and adding dynamic visuals to your web application using AJAX calls. By the end of this book, you will be able to develop responsive web applications by combining AJAX development techniques with the jQuery JavaScript library.

## Book Information

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## Customer Reviews

The eBook version of this book is about 229 pages and has ten chapters. Even though the first chapter goes through topics like responsive design, media queries, devices and screens, etc. you should already have a good grasp on modern HTML and CSS. The book walks you through using the Bootstrap 3 framework for responsive e-commerce web application starting with chapter two and then each additional chapter adds onto the previous ending up with Facebook, Youtube, Twitter, Google+, PayPal, Shopify, etc. integrations and more. Starting with chapter two you will need to have certain tools installed like Eclipse and Apache Tomcat to follow along easily with what the author is doing. You can get away with your own tools or preferred IDE if you know what your doing already and have a good amount of web development experience. That being said the author is using Java servlets for the interaction with the AJAX code in the HTML pages so keep that in mind. The rest of chapter two is getting the wire-frame pieced together as well as testing out how responsive it is to devices including testing it out with the Opera Mobile Emulator. The third chapter goes into how to get the AJAX requests communicating with the Java servlets as well as building an image carousel. This is code heavy chapter but sets the final foundation for the remaining chapters. Chapters 4, 5, 6 and 7 all deal with integrating with Youtube, Twitter, Facebook and Google+. If you've never integrated these services into a website these chapters walk you through the steps from setup to the actual code needed. Chapter 8 goes into creating the shopping cart (minimal and detailed view) and integrating with PayPal Developer API as well as the Shopify API.

You can develop web applications in so many ways and this book teaches you how with the most popular front-end library, jQuery and AJAX. Initially I was excited to find out if it's possible to build a responsive web application only with jQuery and Ajax, but you still need a back-end. In this case, the author uses Tomcat to run a java server as the back-end. You might be surprised that all the source code files are in the txt extension along with one war file. Then I realized uncompressed the war file will output all the proper files to open the website without some java-based IDE. A non-java developer might not be able to figure that out right away, so the book is definitely targeted for java developers who want to learn the front-end. Even though it's possible to open the source code

locally into a browser, it won't be fully functional without running Tomcat. As a front-end developer I have read through all the examples and they are coded well, including comments, to demonstrate getting data from 3rd party APIs such as Twitter, Facebook, Google, YouTube, and Paypal. After having read through the book, it appears that more of the examples demonstrate usage of APIs rather than responsiveness. The early chapters do include details on responsive-making elements such as media queries, layouts, and the opera testing emulator, yet the author just uses Twitter Bootstrap for his app. I liked that the book includes good resources such as Draw.io and a few important CSS properties not seen in other books such as the text-overflow: ellipsis. I'm not too surprised about a lack of "developing responsive" part because of Bootstrap 3's popularity, most of the "responsiveness" is already done for you.

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