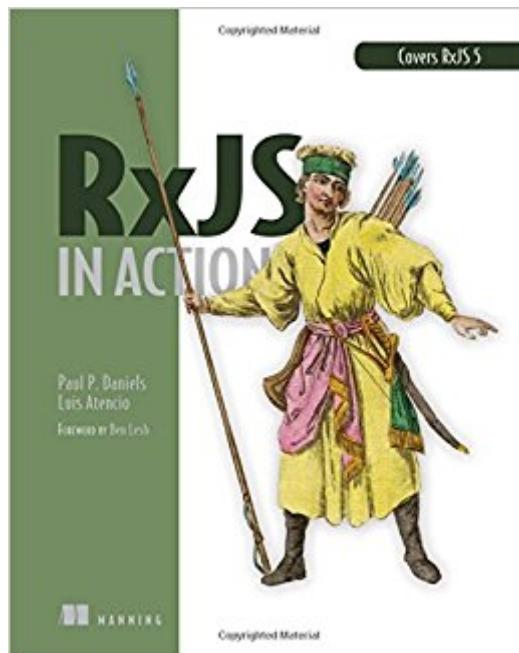


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# RxJS In Action



## Synopsis

Summary RxJS in Action gives you the development skills you need to create reactive applications with RxJS. This book is full of theory and practical examples that build on each other and help you begin thinking in a reactive manner. Foreword by Ben Lesh, Project lead, RxJS 5. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

**About the Technology** On the web, events and messages flow constantly between UI and server components. With RxJS, you can filter, merge, and transform these streams directly, opening the world of data flow programming to browser-based apps. This JavaScript implementation of the ReactiveX spec is perfect for on-the-fly tasks like autocomplete. Its asynchronous communication model makes concurrency much, much easier. **About the Book** RxJS in Action is your guide to building a reactive web UI using RxJS. You'll begin with an intro to stream-based programming as you explore the power of RxJS through practical examples. With the core concepts in hand, you'll tackle production techniques like error handling, unit testing, and interacting with frameworks like React and Redux. And because RxJS builds on ideas from the world of functional programming, you'll even pick up some key FP concepts along the way. **What's Inside** Building clean, declarative, fault-tolerant applications  
Transforming and composing streams  
Taming asynchronous processes  
Integrating streams with third-party libraries  
Covers RxJS 5  
**About the Reader** This book is suitable for readers comfortable with JavaScript and standard web application architectures. **About the Author** Paul P. Daniels is a professional software engineer with experience in .NET, Java, and JavaScript. Luis Atencio is a software engineer working daily with Java, PHP, and JavaScript platforms, and author of Manning's Functional Programming in JavaScript. **Table of Contents** PART 1 - UNDERSTANDING STREAMS  
Thinking reactively  
Reacting with RxJS  
Core operators  
It's about time you used RxJS  
PART 2 - OBSERVABLES IN PRACTICE  
Applied reactive streams  
Coordinating business processes  
Error handling with RxJS  
PART 3 - MASTERING RXJS  
Heating up observables  
Toward testable, reactive programs  
RxJS in the wild

## Book Information

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## Customer Reviews

Paul P. Daniels is a professional Software Engineer with a B.S.E in Computer Science and over 5 years of experience in software engineering, developing applications in .Net, Java, and JavaScript. A regular user of RxJS, he is active as a member and a contributor in the RxJS community. Luis Atencio is a Staff Software Engineer for Citrix Systems. He has a B.S. and an M.S. in Computer Science and works full-time developing and architecting web applications using Java, PHP, and JavaScript platforms. Luis is also the author of Functional Programming in JavaScript.

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