

Reactive Programming with RxJS

What is Reactive
Programming?

"Reactive programming is programming with asynchronous data streams."

-- The introduction to Reactive Programming you've been missing by Andre Staltz

Demos

Resources



ReactiveX

An API for asynchronous programming
with observable streams

Choose your platform

RxMarbles

Interactive diagrams of Rx Observables

TRANSFORMING OPERATORS

[delay](#)

[delayWithSelector](#)

[findIndex](#)

[map](#)

[scan](#)

[debounce](#)

[debounceWithSelector](#)

COMBINING OPERATORS

[combineLatest](#)

[concat](#)

[merge](#)

[sample](#)

[startWith](#)

[withLatestFrom](#)

[zip](#)

FILTERING OPERATORS

[distinct](#)

[distinctUntilChanged](#)

[elementAt](#)



delay



The
Pragmatic
Programmers

Reactive Programming with RxJS

Untangle Your
Asynchronous
JavaScript Code



Sergi Mansilla
edited by Rebecca Gulick



staltz / introrx.md

Last active an hour ago



Star 9,383



Fork 983



<> Code

Revisions 259

Stars 9383

Forks 983

Embed ▾

<script src="https://gist.



Download ZIP

The introduction to Reactive Programming you've been missing

[introrx.md](#)

Raw

The introduction to Reactive Programming you've been missing

(by [@andrestaltz](#))

This tutorial as a series of videos

If you prefer to watch video tutorials with live-coding, then check out this series I recorded with the same contents as in this article: [Egghead.io - Introduction to Reactive Programming](#).



RxJS

"The Reactive Extensions for JavaScript (RxJS) is a set of libraries for composing asynchronous and event-based programs using observable sequences and fluent query operators that many of you already know by `Array#extras` in JavaScript. Using RxJS, developers represent asynchronous data streams with Observables, query asynchronous data streams using our many operators, and parameterize the concurrency in the asynchronous data streams using Schedulers. Simply put, RxJS = Observables + Operators + Schedulers."

-
Brand new to RxJS and reactive programming? Check out [this series](#) of lessons from Jafar Husain.

RXJS COURSES

5 total courses



WATCH ANDRÉ STALTZ'S COURSE

Cycle.js Fundamentals



Cycle.js is a framework where your app is described as a simple function taking an event stream as input and outputting an even...



WATCH ANDRÉ STALTZ'S COURSE

Introduction to Reactive Programming



"Reactive" You've probably been hearing this word recently. Reactive Programming has you curious, and you want

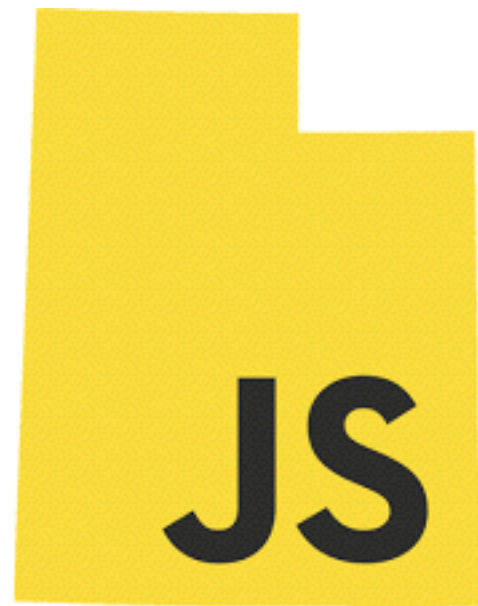


WATCH ANDRÉ STALTZ'S COURSE

RxJS Beyond the Basics: Operators in Depth



Operators are the core building blocks for reacting to data in your JavaScript applications. In this course you will learn wha...



Jeremy Lund

Reactive Programming using Observables

Thanks!

James Churchill

Twitter: @SmashDev

GitHub: smashdevcode

<https://github.com/smashdevcode/utahjs-reactive-programming-with-rxjs>