



Angular Advanced short recap – day #2



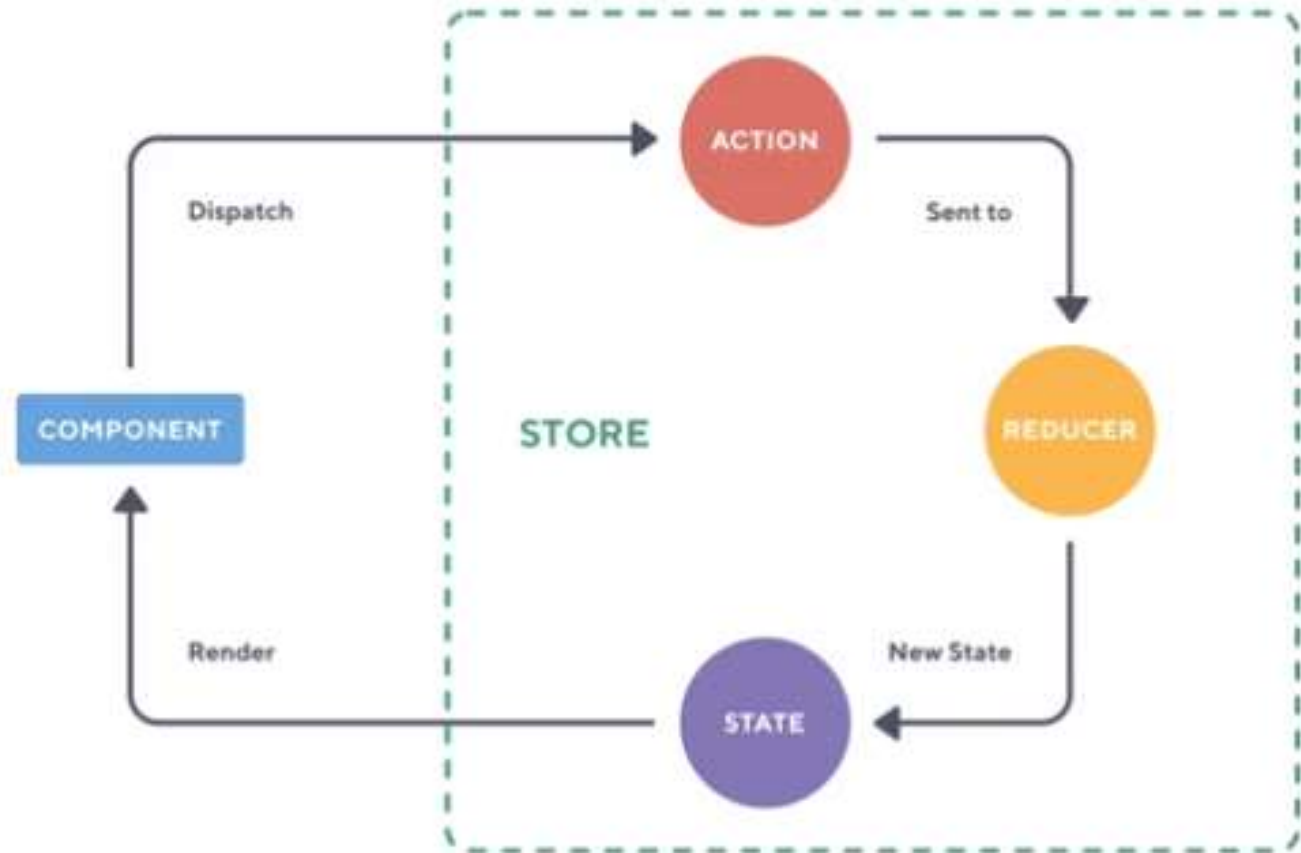
Peter Kassenaar
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Recap day 2 – State Management

- User Interface Libraries
 - Bootstrap-variants, ng-zorro, Angular Material, PrimeFaces
- Observables – from scratch
- State Management
 - Concepts – store, state, actions, reducers
 - Working with basic types & complex types
 - Working with `Http` (directly)
 - Redux DevTools
 - Using `@ngrx/effects` and `@Effect()`

REDUX ARCHITECTURE

One-way dataflow



<https://platform.ultimateangular.com/courses/ngrx-store-effects/lectures/3788532>

Yesterdays questions:

- Making sure a module is only loaded once
 - `../110-lazy-loading`
 - We added a `CoreModule`. It can be loaded only once
- Updating a City in the store
 - `...207-ngrx-store-complex-types`
 - We used `[(ngModel)]` to update a City type
- `ElementRef/Renderer2` example – not gotten around to it.

Optional – workshop

Case

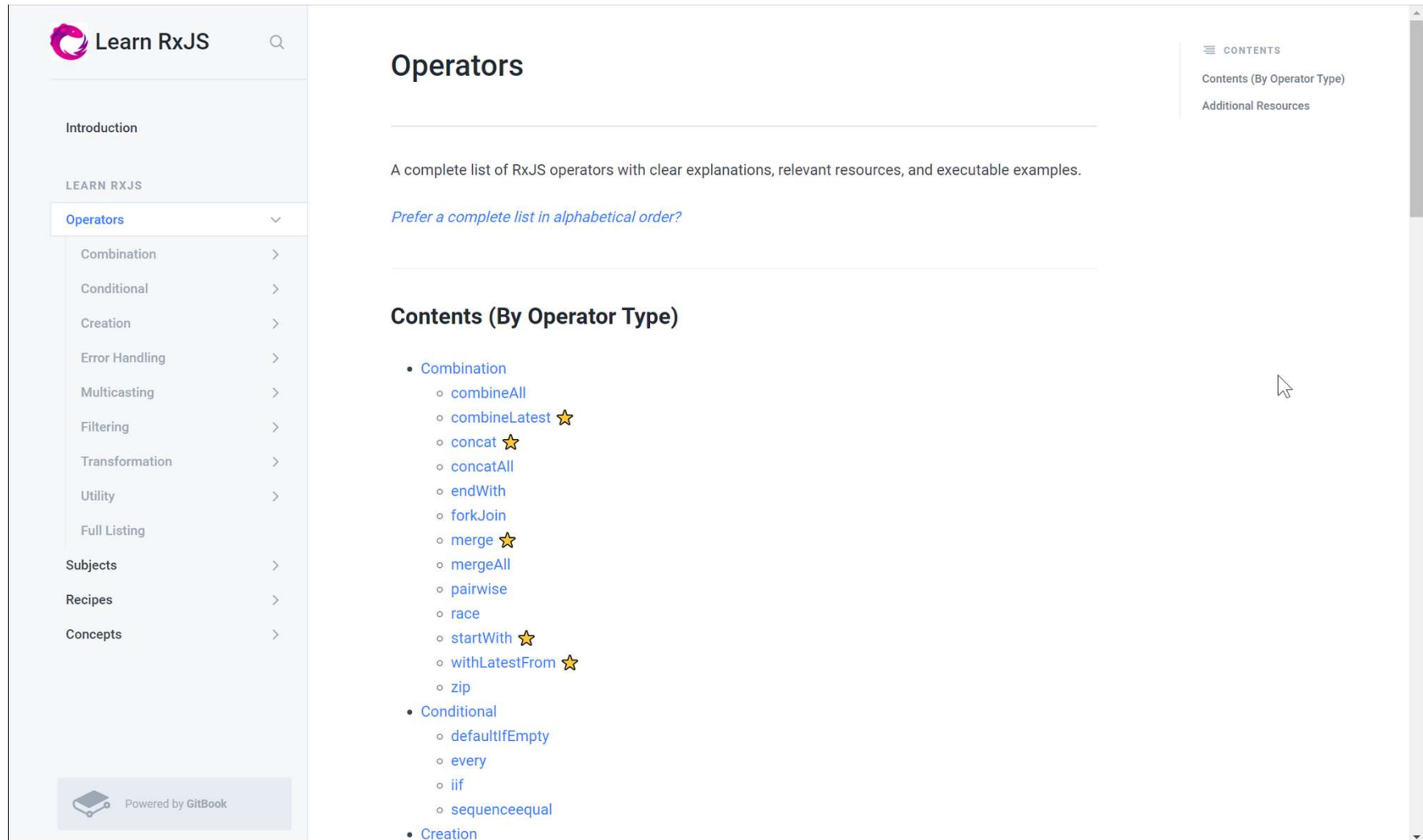
(see slides in repo)

Any other questions?

Today - day 3 – Miscellaneous

- Q & A
- Angular Performance tips/tricks/tools
- Some observable operators
- Enterprise applications – monorepo....or not?
- Creating Angular Libraries [publish to NPM]
- Realtime databases w/ firebase?
- Unit Testing ?
 - ...wrap up a little bit early

More info on Observables



The screenshot shows the 'Learn RxJS' website. The left sidebar contains a navigation menu with the following items: Introduction, LEARN RXJS (with a sub-menu open showing Operators, Combination, Conditional, Creation, Error Handling, Multicasting, Filtering, Transformation, Utility, and Full Listing), Subjects, Recipes, and Concepts. The main content area is titled 'Operators' and includes a description: 'A complete list of RxJS operators with clear explanations, relevant resources, and executable examples.' Below this is a link: 'Prefer a complete list in alphabetical order?'. The 'Contents (By Operator Type)' section lists three categories: Combination (with sub-items: combineAll, combineLatest ★, concat ★, concatAll, endWith, forkJoin, merge ★, mergeAll, pairwise, race, startWith ★, withLatestFrom ★, zip), Conditional (with sub-items: defaultIfEmpty, every, iif, sequenceEqual), and Creation.

Learn RxJS

Introduction


LEARN RXJS

- Operators
- Combination
- Conditional
- Creation
- Error Handling
- Multicasting
- Filtering
- Transformation
- Utility
- Full Listing

Subjects

Recipes

Concepts

Powered by  GitBook

Operators

A complete list of RxJS operators with clear explanations, relevant resources, and executable examples.

[Prefer a complete list in alphabetical order?](#)

Contents (By Operator Type)

- Combination
 - combineAll
 - combineLatest ★
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 - mergeAll
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 - sequenceEqual
- Creation

<https://www.learnrxjs.io/>



Daniele Ghidoli

About me

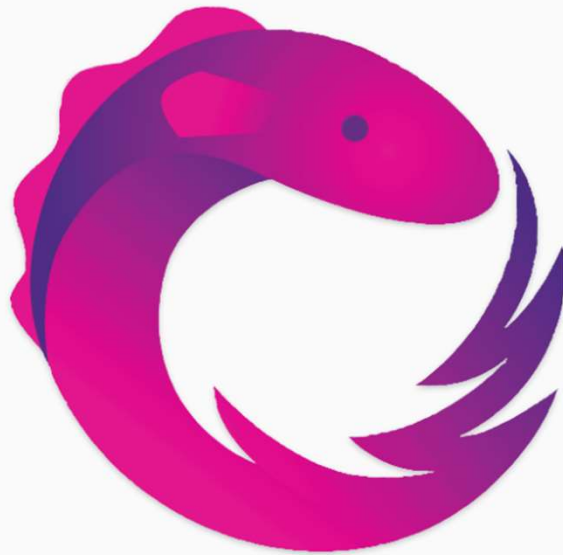


October 22, 2016

Combining multiple Http streams with RxJS Observables in Angular2



<http://blog.danieleghidoli.it/2016/10/22/http-rxjs-observables-angular/>



RxJS

Reactive Extensions Library for JavaScript

[GET STARTED](#)[API DOCS](#)

REACTIVE EXTENSIONS LIBRARY FOR JAVASCRIPT

RxJS is a library for reactive programming using Observables, to make it easier to compose asynchronous or callback-based code. This project is a rewrite of Reactive-Extensions/RxJS with better performance, better modularity, better debuggable call stacks, while staying mostly backwards compatible, with some breaking changes that reduce the API surface

<https://rxjs-dev.firebaseio.com/>

[reactive.how](#) 2.0-alpha.4

[Launchpad for RxJS](#) →

Follow Stay tuned

ESSENTIALS	REDUCING	TAKING	SKIPPING	COMBINING	TIME	CONCATENATING
map	reduce	take	skip (soon)	combineLatest	delay	startWith (soon)
filter	max	takeWhile	skipWhile	zip	debounceTime	endWith (soon)
merge	count	first	takeLast		throttleTime	concat (soon)
scan			last			

Learn RxJS operators and Reactive Programming principles

Launchpad for RxJS

debounceTime vs throttleTime

Decks of cards for RxJS: learn, compare and memorize

<https://reactive.how/>

Wrap up

- Angular CLI tips & tricks
- NG applications with multiple modules
 - Routing and Lazy loading modules
 - Loading strategies
- State Management
- Design patterns
- Performance tips/tricks/tools
- Observables, RxJS operators
- Unit Testing
- Monorepo's & Libraries

Let's connect

The screenshot shows a LinkedIn profile page. The top navigation bar includes the LinkedIn logo, a search bar, and icons for Home, My Network (with a red notification badge), Jobs, Messaging, Notifications, Me, and Work. The main content area on the left shows a section for education with the text 'duursporten (lopen, zwemmen, fietsen, roeien, schaatsen). Laatste jaar in combinatie met studie Bewegingswetenschappen, Rijksuniversiteit Groningen (RUG).'. Below this is a blue button labeled 'Add new profile section'. The 'Featured Skills & Endorsements' section is circled in red and lists three skills: 'Teaching' (3 endorsements from Youri Pattynama and 2 connections), 'TypeScript' (3 endorsements from Youri Pattynama and 2 connections), and 'Angular' (2 endorsements from Momen El Kamri and 1 connection). A link 'See 26 more skills' is at the bottom of this section. The 'Recommendations' section is partially visible at the bottom. On the right side, there is a blue button 'Add new profile section' and a 'Messaging' button at the bottom right.

LinkedIn profile page showing the 'Featured Skills & Endorsements' section circled in red.

The profile includes a search bar, navigation icons (Home, My Network, Jobs, Messaging, Notifications, Me, Work), and a 'Try Premium for Free' button.

The main content area displays:

- duursporten (lopen, zwemmen, fietsen, roeien, schaatsen).
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- See 26 more skills
- Recommendations
- Ask to be recommended
- Messaging

<https://www.linkedin.com/in/peterkassenaar/>

The image is a screenshot of the Angulartraining.nl website. At the top left, the URL 'Angulartraining.nl' is displayed. To its right is a navigation menu with links: 'Home', 'Training', 'Dates', 'Information', and 'Contact'. The background of the website is a dark-themed code editor showing TypeScript code for an Angular application, including route definitions and module configurations. A large, white, diagonal watermark reading 'Thank you' is overlaid across the center of the image. In the top right corner, there is a yellow banner with the text '2018 dates now'. Below the watermark, the text 'World-class Angular training in Dutch and English' is visible, followed by 'classrooms - focused on today's developers'. At the bottom of this section are two buttons: 'LEARN MORE' (teal) and 'SIGN UP!' (blue).

www.angulartraining.nl