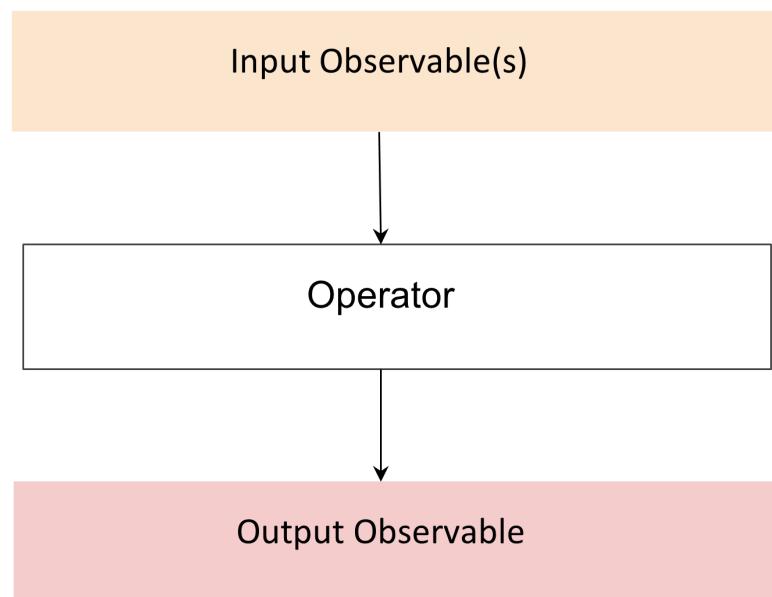
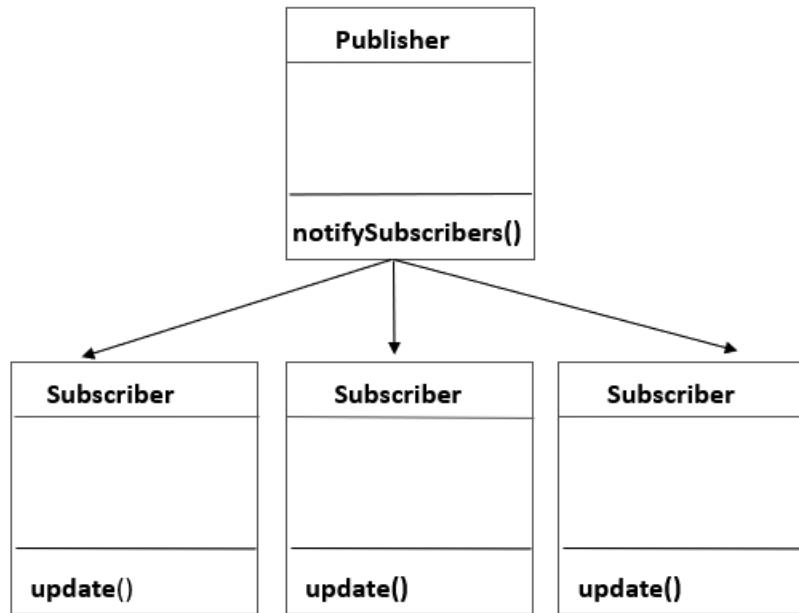
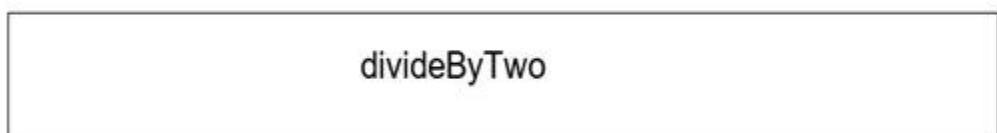
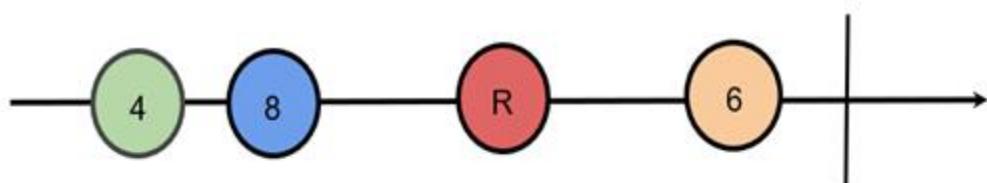
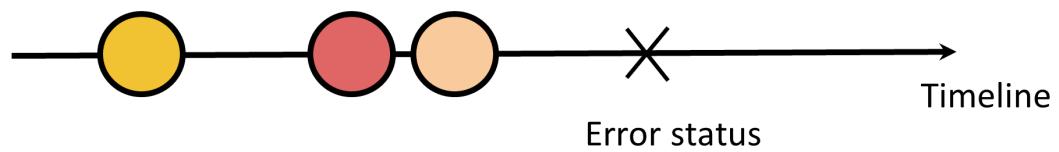
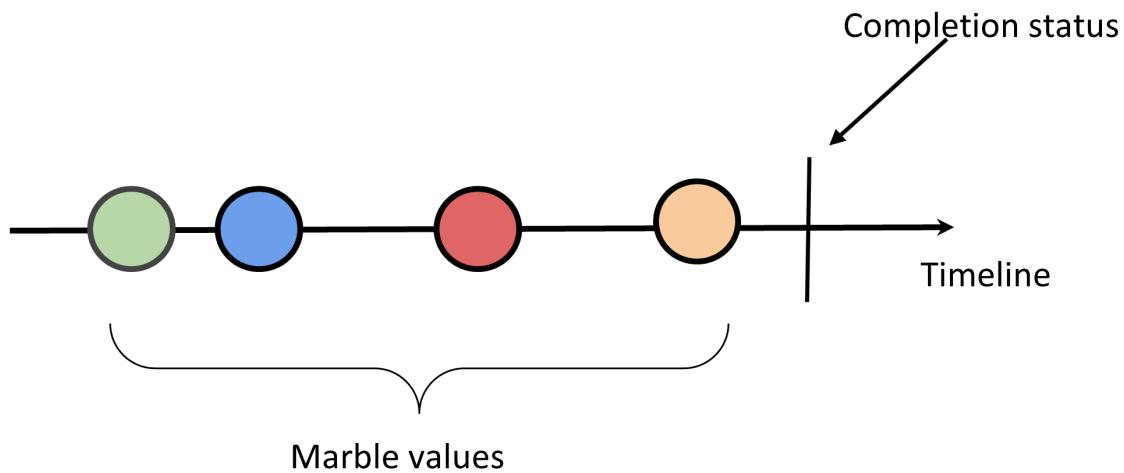
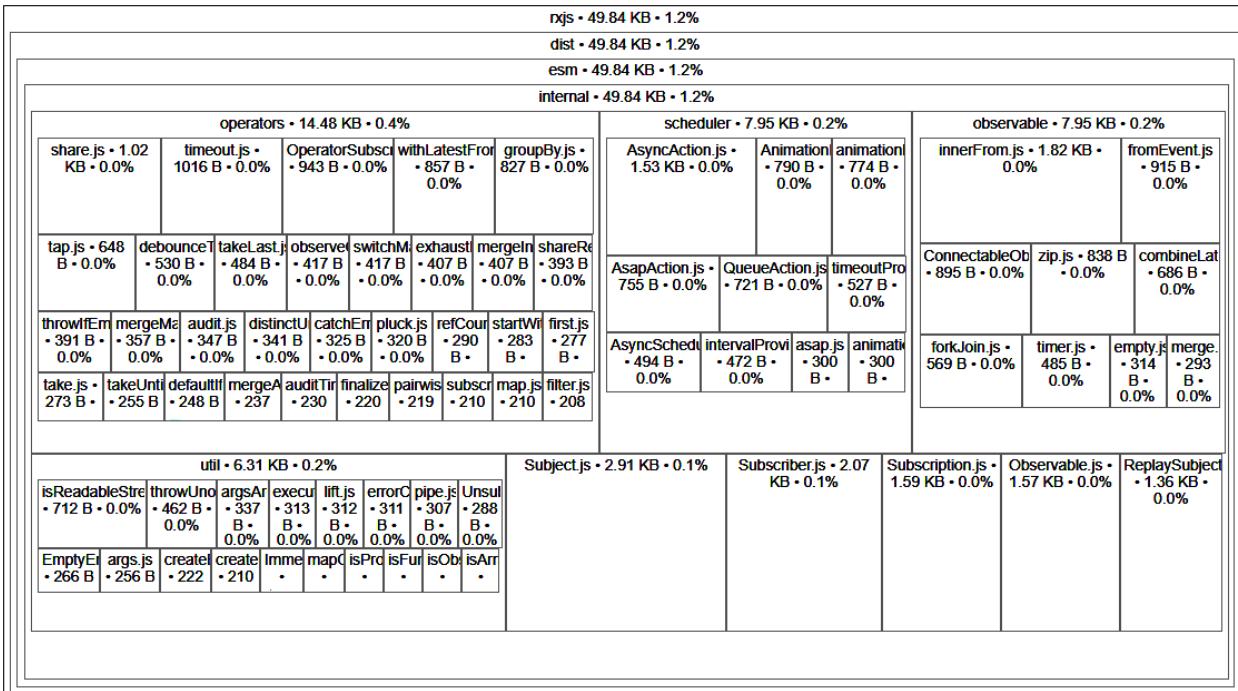
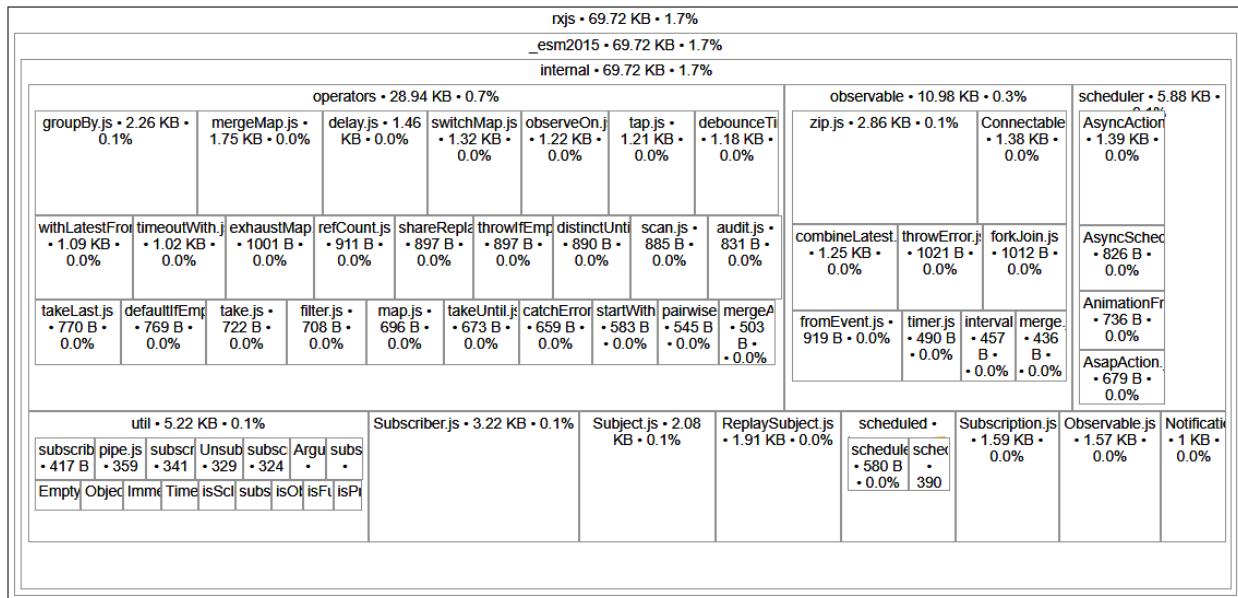


Chapter 01: The Power of the Reactive Paradigm

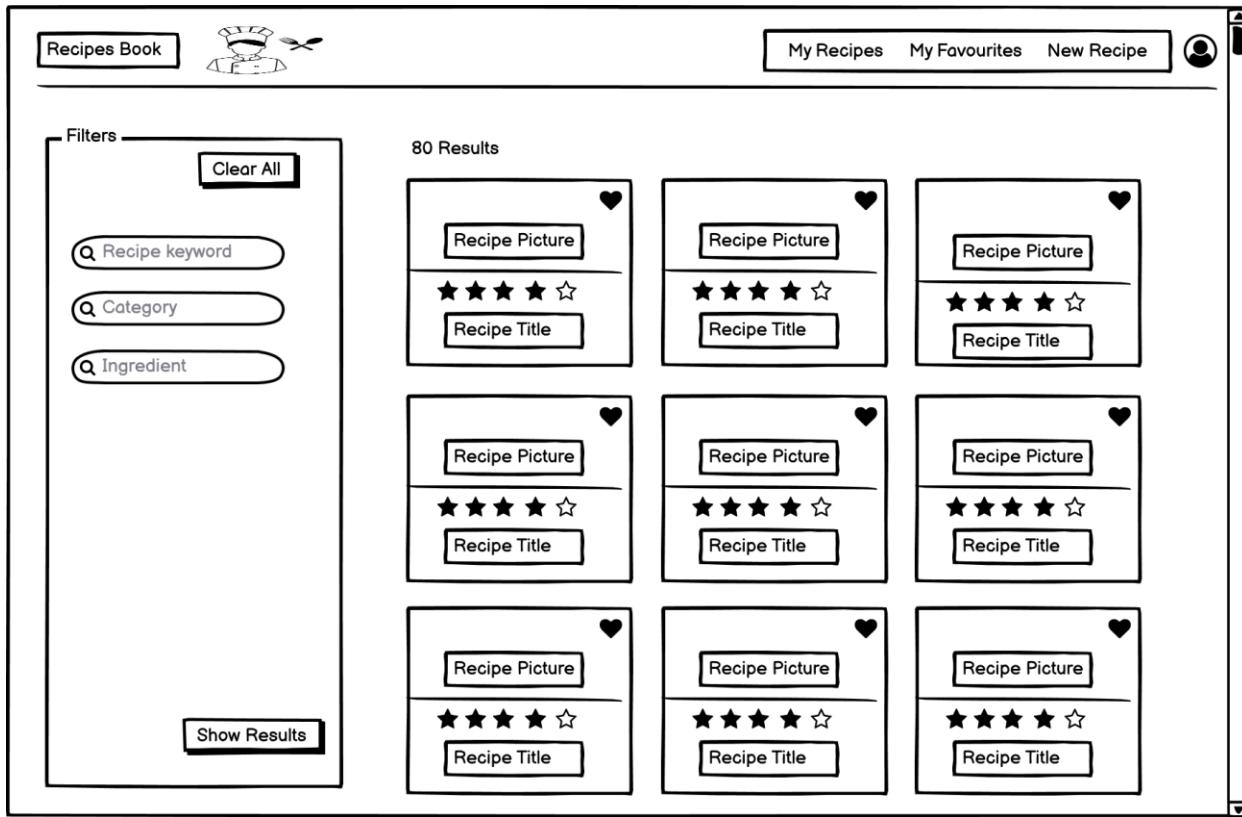




Chapter 02: RxJS 7 – The Major Features



Chapter 03: A Walk-Through of the Application





New Recipe

Title

Ingredients

 +

Tags

- Dinner (selected)
- Healthy
- Salty
- Sweet
- Italian
- Lunch
- Breakfast

Image Url

Cooking time

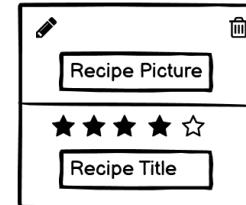
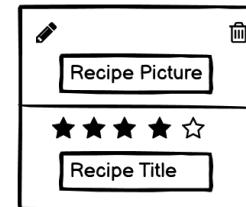
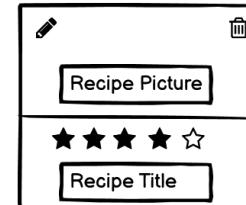
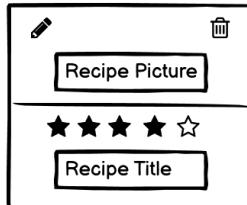
Yield

Prep time

Steps

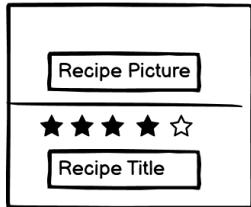
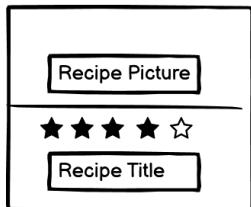
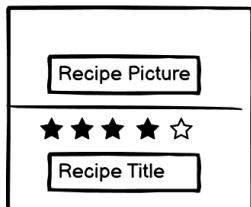


My Recipes





My favourites



Recipes Book 

My Recipes My Favourites New Recipe 

New Recipe

Title Ingredients + Tags Dinner (selected)
 Healthy Salty Sweet Italian Lunch Breakfast

Image Url Cooking time

Yield Prep time

Steps

Recipes Book 

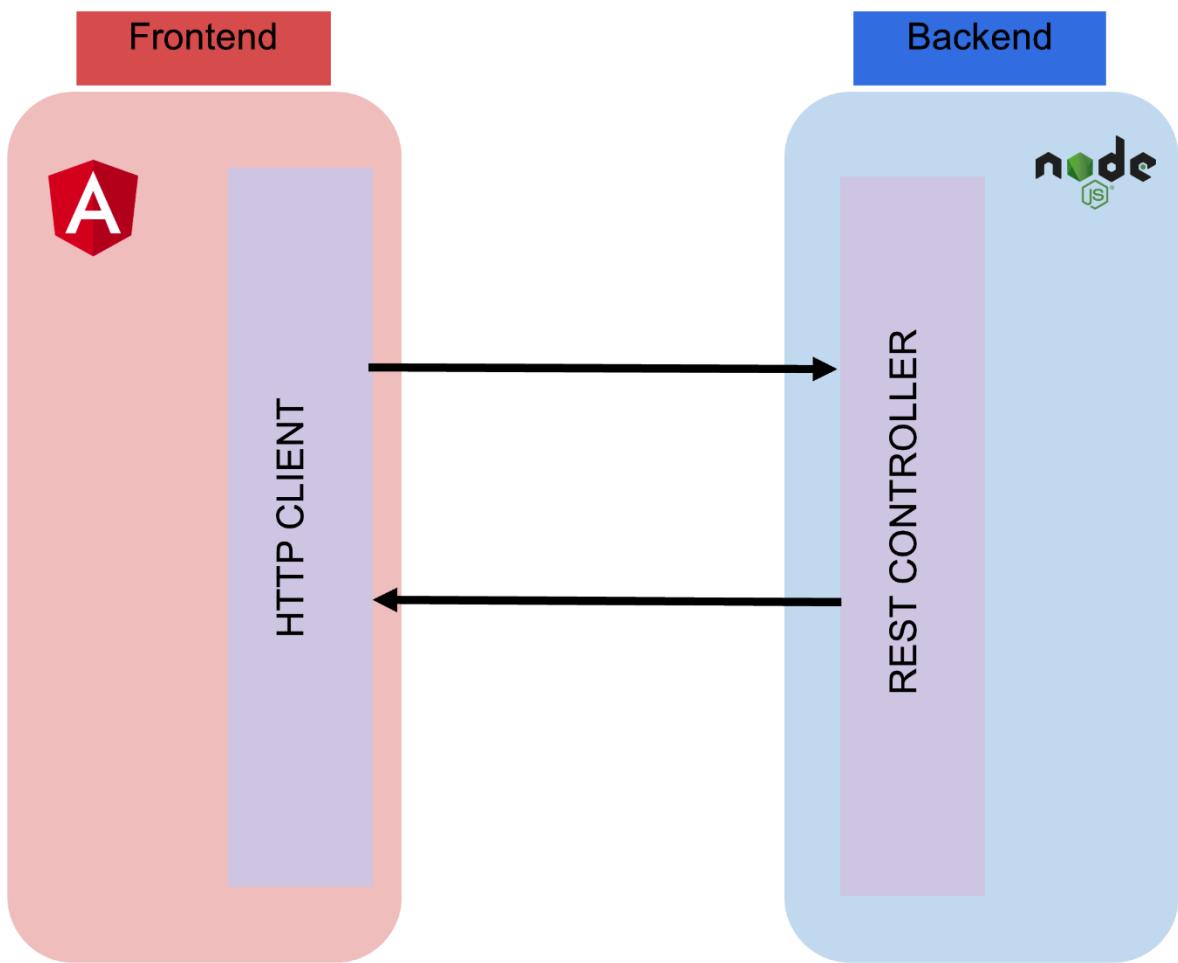
My Recipes My Favourites New Recipe 

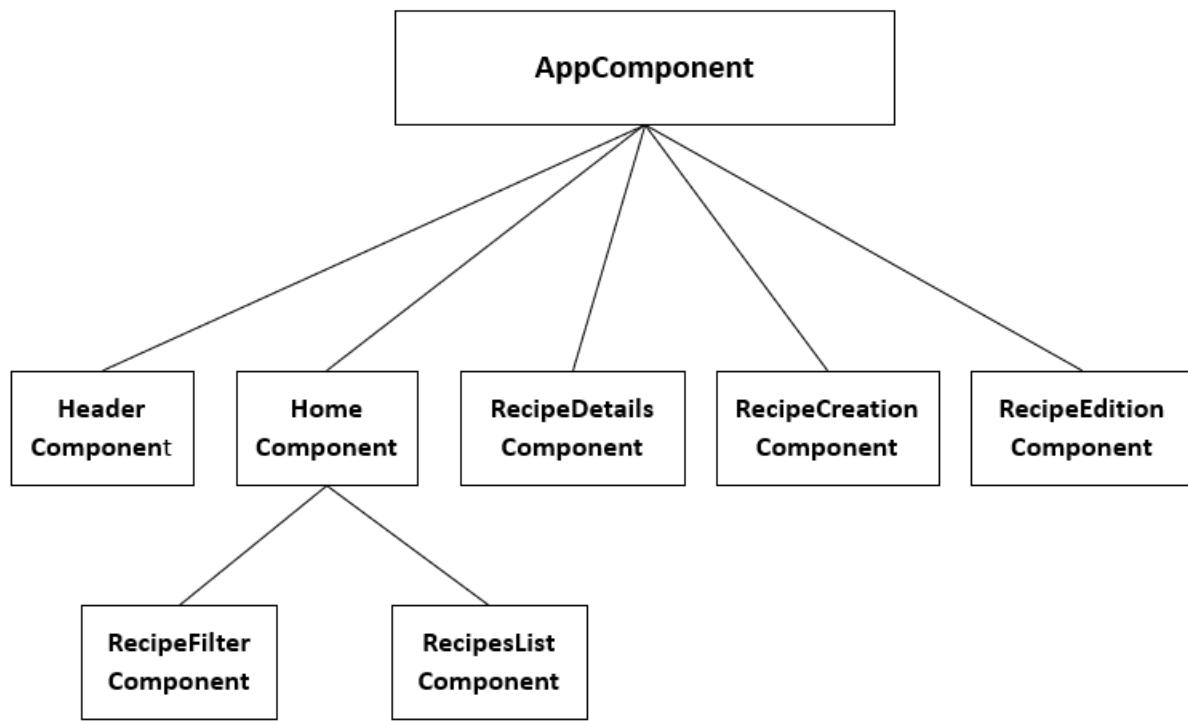
Recipe Title

Recipe Picture

Prep Time
Cooking Time
Yield
Rating
Tags

Ingredients Steps

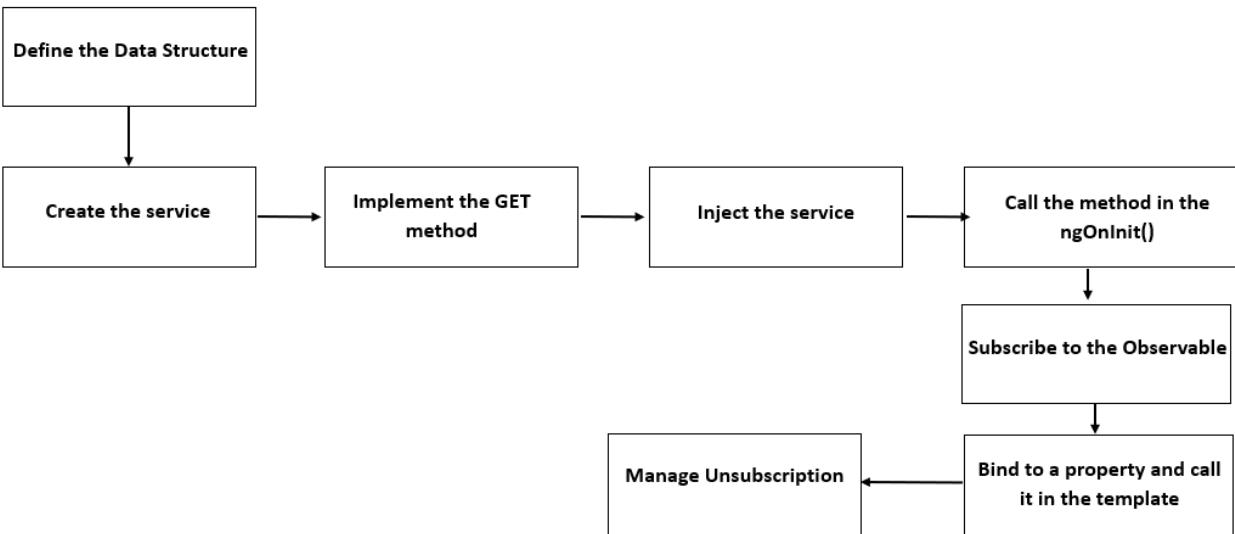


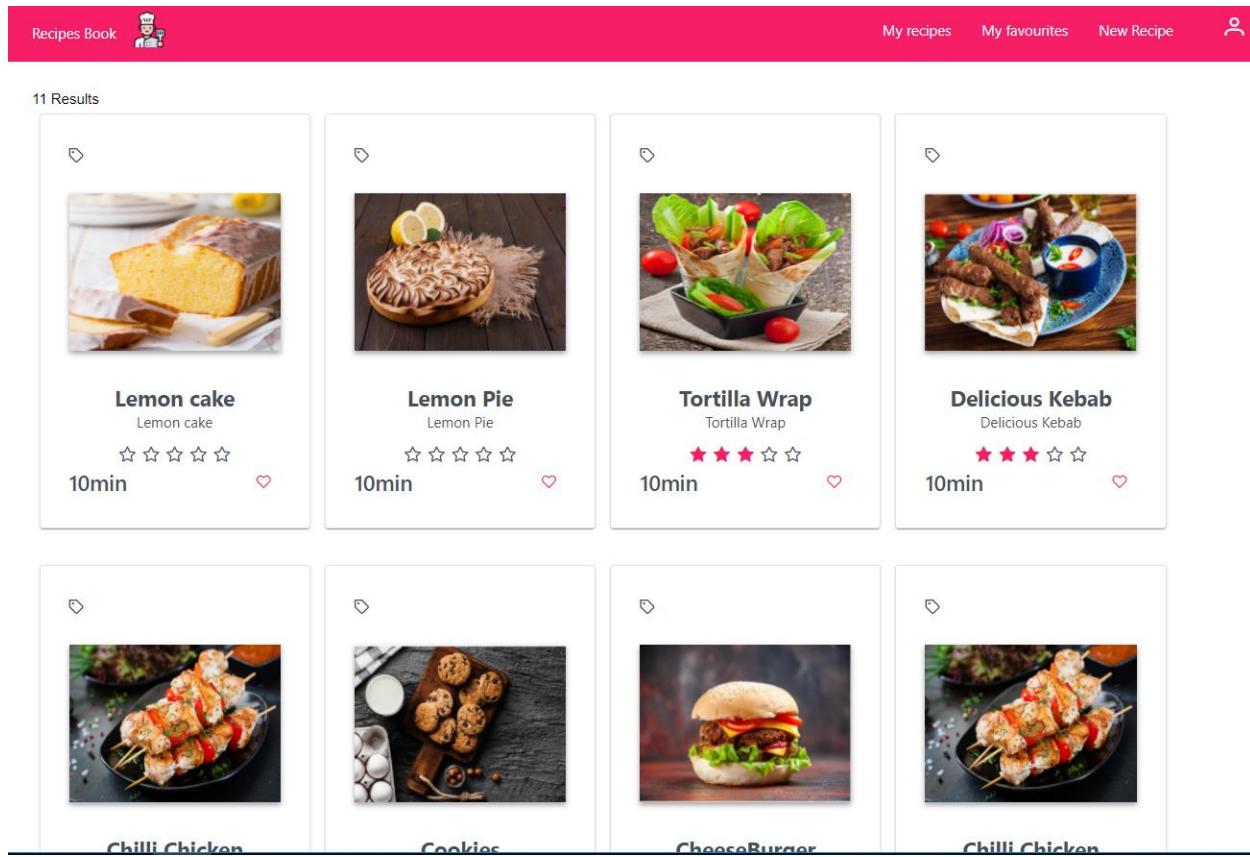
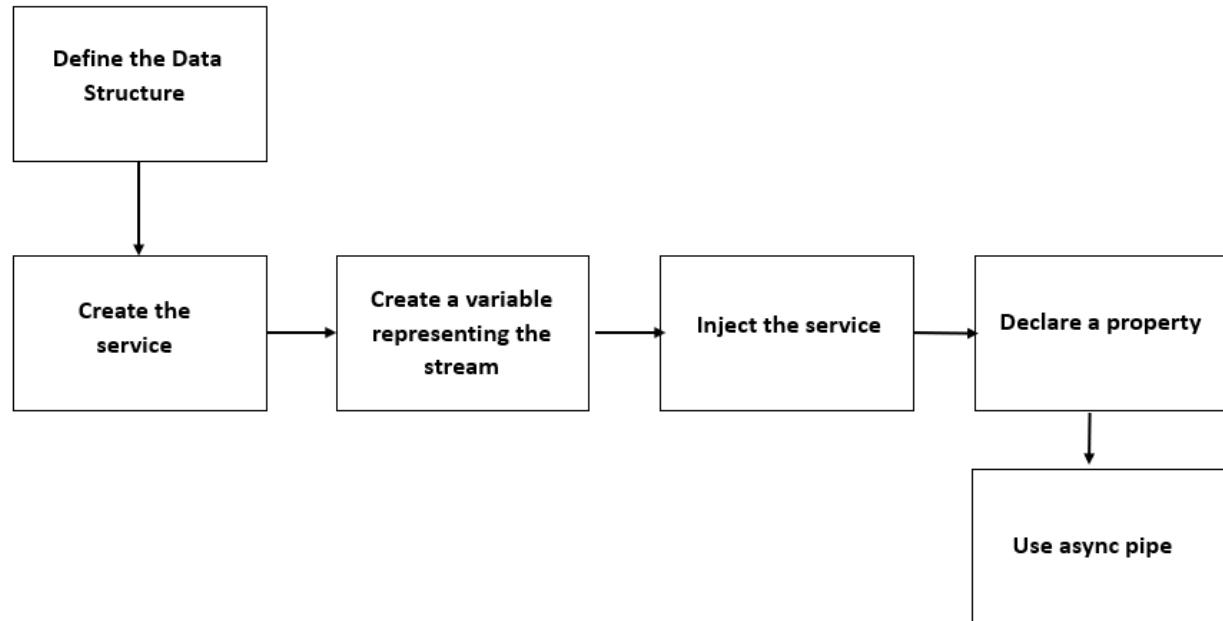


Chapter 04: Fetching Data as Streams

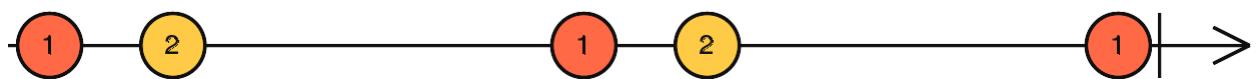
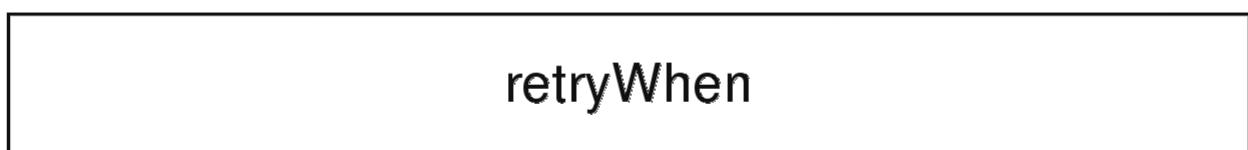
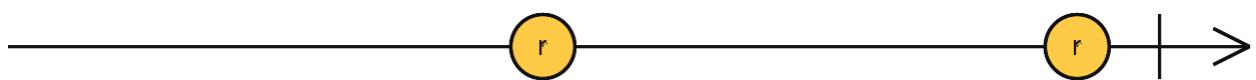
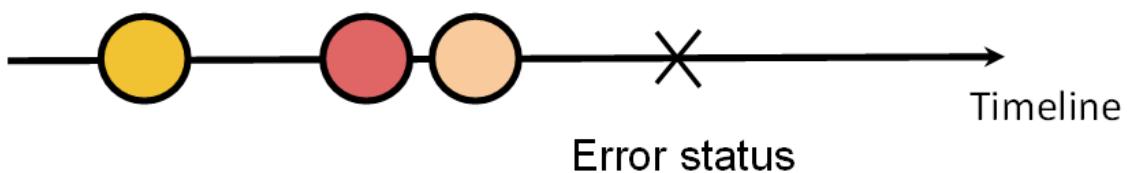
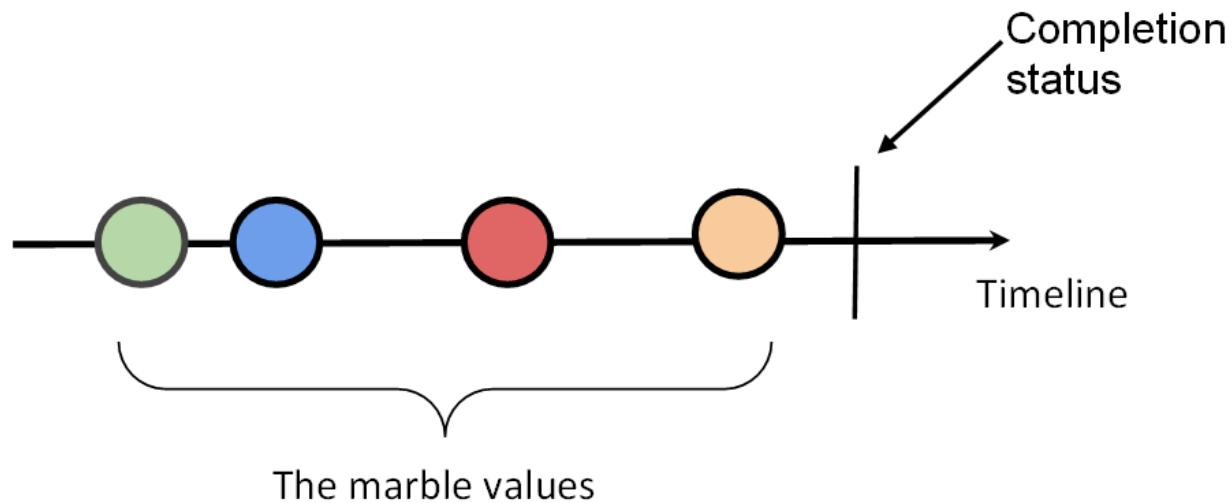


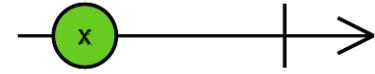
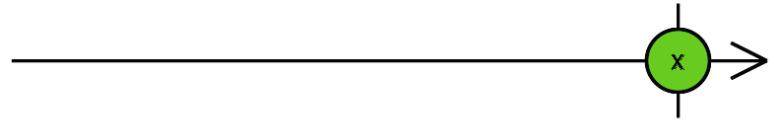
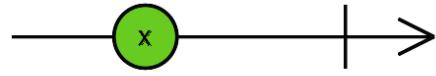
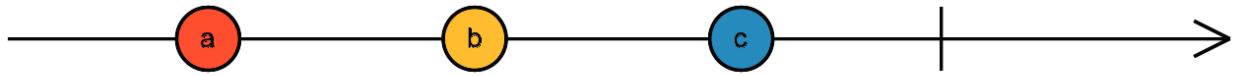
`takeUntil`



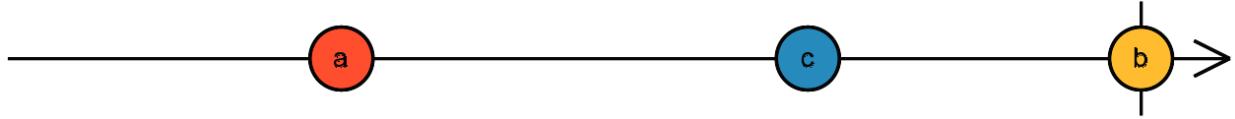


Chapter 05: Error Handling





delayWhen(durationSelector)



```
✖ ▶ GET http://localhost:3001/recipes net::ERR_CONNECTION_REFUSED
  Retrying the HTTP request...
✖ ▶ GET http://localhost:3001/recipes net::ERR_CONNECTION_REFUSED
  Retrying the HTTP request...
✖ ▶ GET http://localhost:3001/recipes net::ERR_CONNECTION_REFUSED
  Retrying the HTTP request...
✖ ▶ GET http://localhost:3001/recipes net::ERR_CONNECTION_REFUSED
  >
```

✖ ▶ GET <http://localhost:3001/recipes> net::ERR_CONNECTION_REFUSED

✖ ▶ **ERROR** ▶ `HttpErrorResponse {headers: HttpHeaders, status: 0, statusText: "Unknown Error", url: "http://localhost:3001/recipes", ok: false, ...}`

```
defaultErrorLogger          @ core.js:6456
handleError                 @ core.js:6504
next                        @ core.js:29284
__tryOrUnsub               @ Subscriber.js:183
next                        @ Subscriber.js:122
__next                      @ Subscriber.js:72
next                        @ Subscriber.js:49
next                        @ Subject.js:39
emit                         @ core.js:25946
(anonymous)                 @ core.js:28703
invoke                      @ zone.js:372
run                          @ zone.js:134
runOutsideAngular           @ core.js:28576
onHandleError               @ core.js:28703
handleError                 @ zone.js:376
runTask                     @ zone.js:181
```

Chapter 06: Combining Streams

Filters

[Clear all](#)

Keyword:

Category:

Ingredient:

Tags:

Preparation Time:

Cooking Time:

[See results](#)



Lemon cake
Lemon cake

☆☆☆☆☆

10min 



Lemon Pie
Lemon Pie

☆☆☆☆☆

10min 



Tortilla Wrap
Tortilla Wrap

★★★★☆

10min 



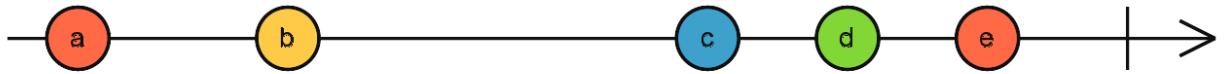












combineLatest



Filters

Clear all

Keyword:

Category:

Ingredient:

Tags:

Preparation Time:

Cooking Time:

See results



Lemon cake
Lemon cake

☆☆☆☆☆

10min

♥



Lemon Pie
Lemon Pie

☆☆☆☆☆

10min

♥



Lemon cake
Lemon cake

☆☆☆☆☆

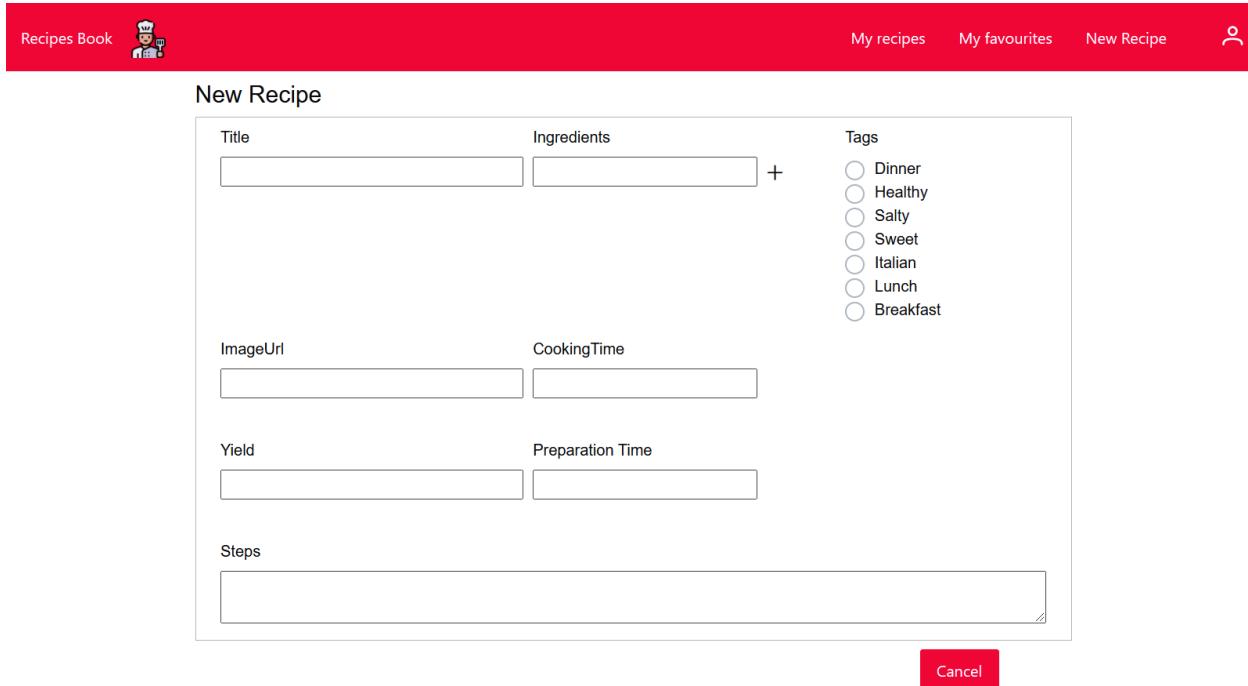
10min

♥



...

Chapter 07: Transforming Streams



Recipes Book 

My recipes My favourites New Recipe 

New Recipe

Title Ingredients +

Tags

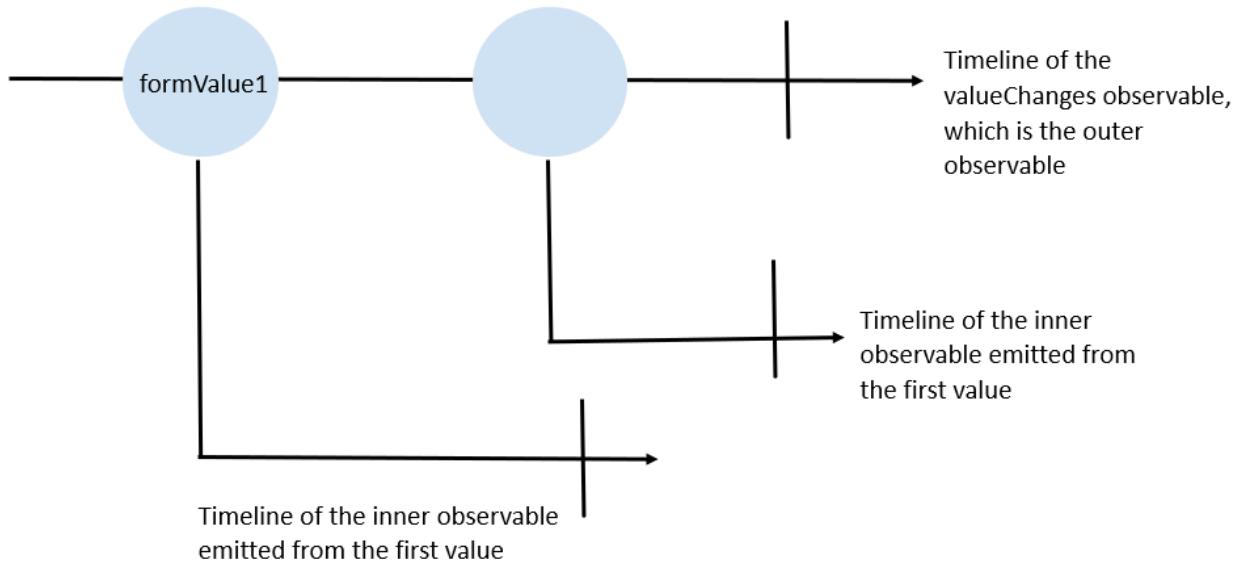
- Dinner
- Healthy
- Salty
- Sweet
- Italian
- Lunch
- Breakfast

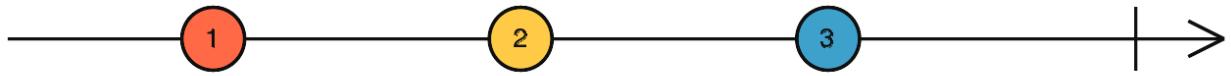
ImageUrl CookingTime

Yield Preparation Time

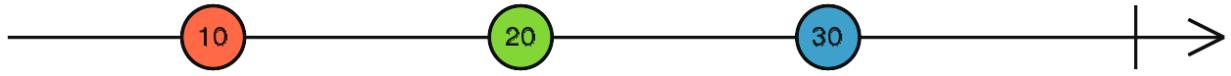
Steps

Cancel

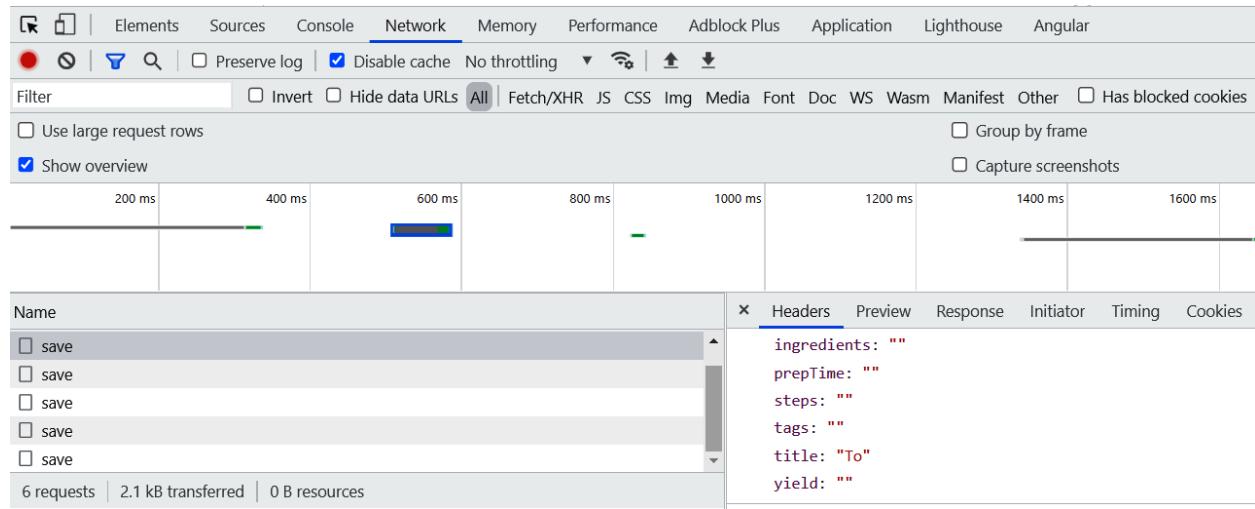
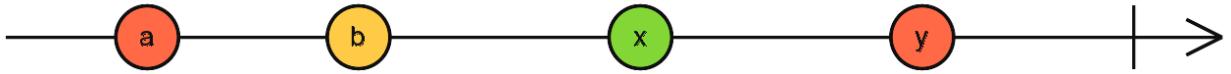


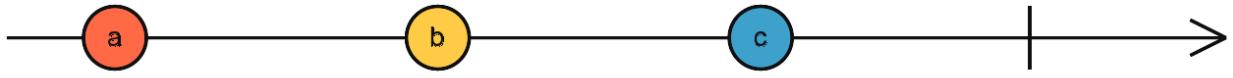


`map(x => 10 * x)`

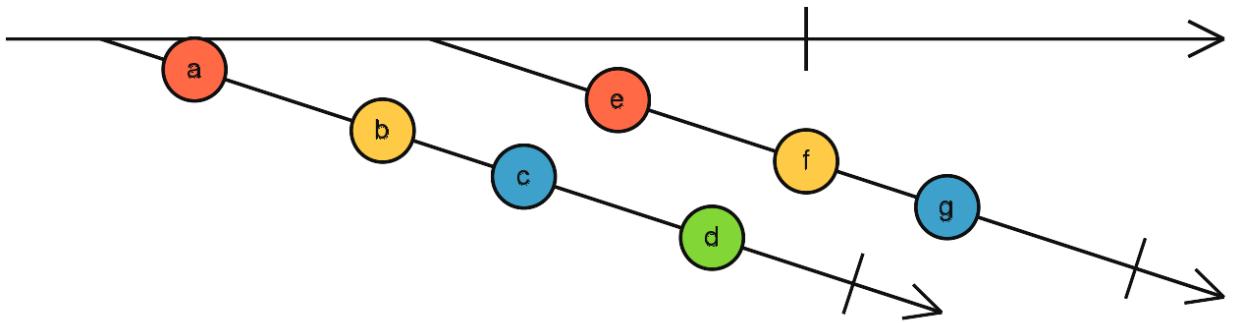
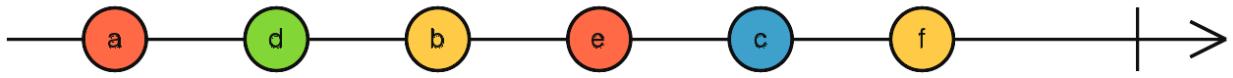


`concat`

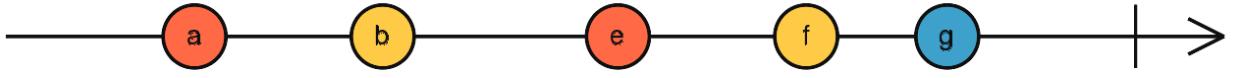


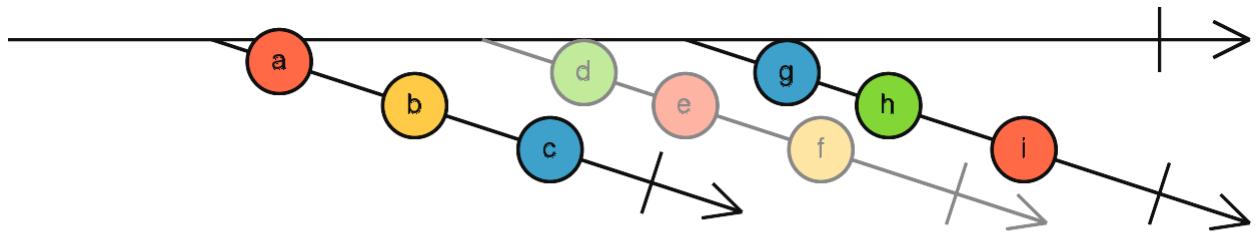


merge

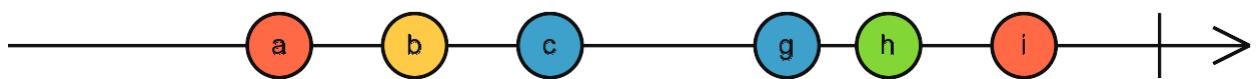


switch

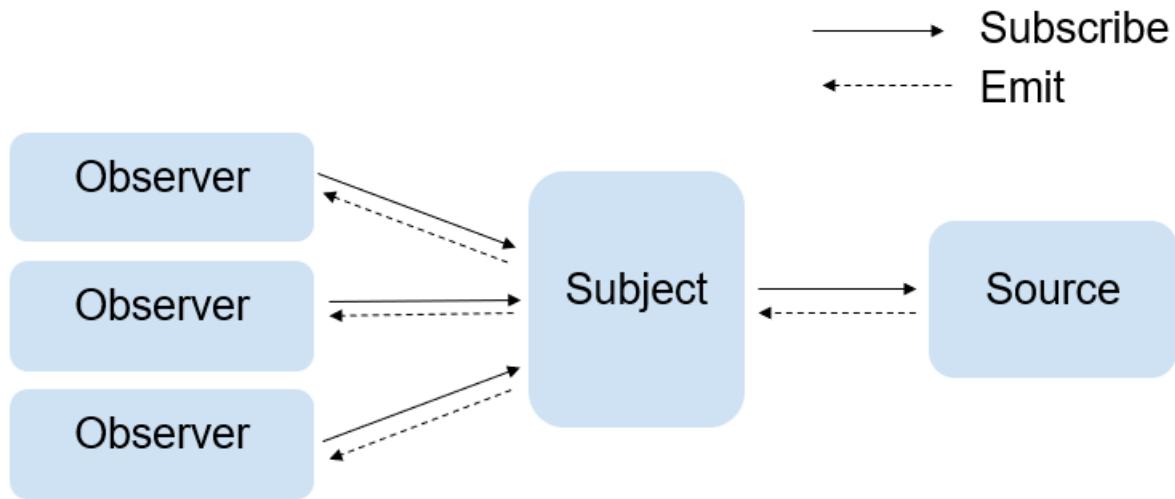




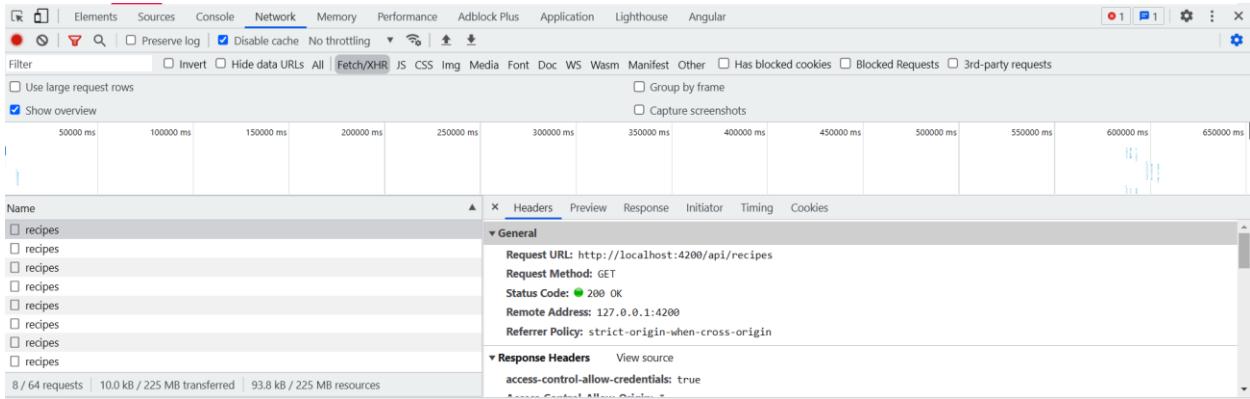
exhaust



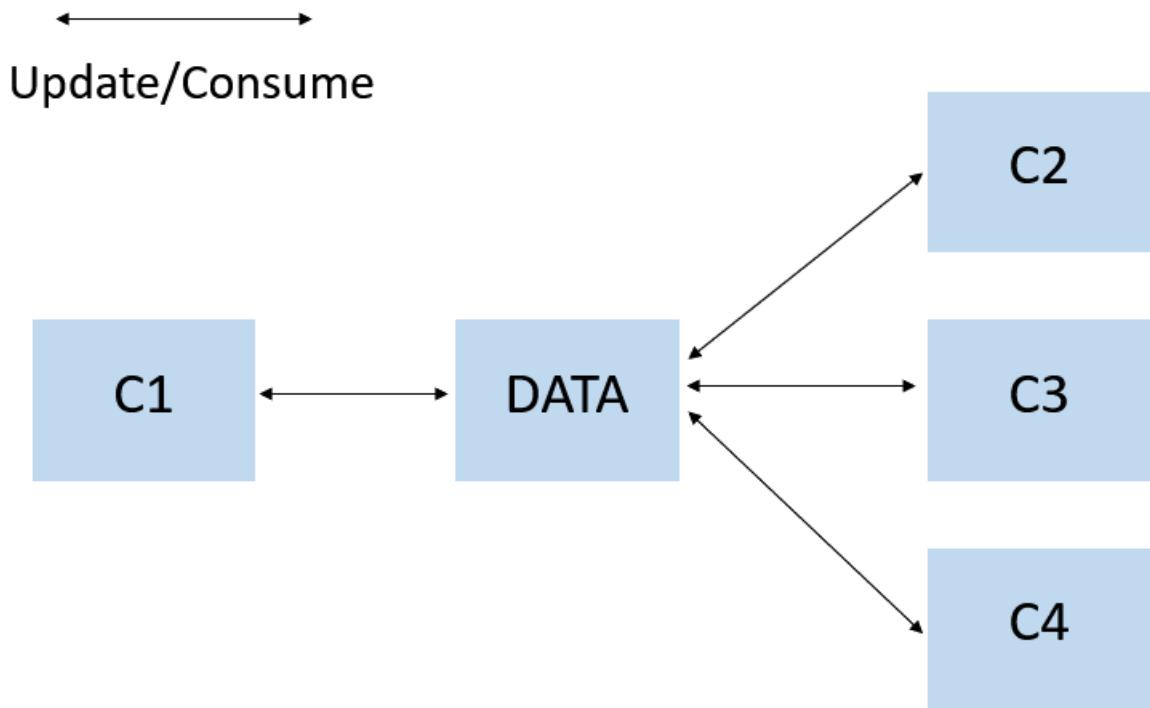
Chapter 08: Multicasting Essentials



Chapter 09: Caching Streams



Chapter 10: Sharing Data between Components



Filters

[Clear all](#)

Keyword:

Category:

Ingredient:

Tags:

Preparation Time:

Cooking Time:

[See results](#)



Lemon cake
Lemon cake

☆☆☆☆☆

10min





Lemon Pie
Lemon Pie

☆☆☆☆☆

10min





Tortilla Wrap
Tortilla Wrap

★★★★☆

10min









1
2
3
4
5
6

Create a shared service

Define a Behavior Subject

Define a public Observable

Create the update method

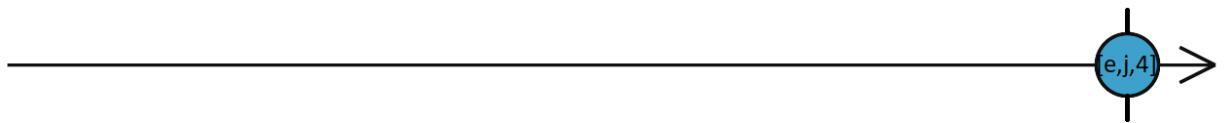
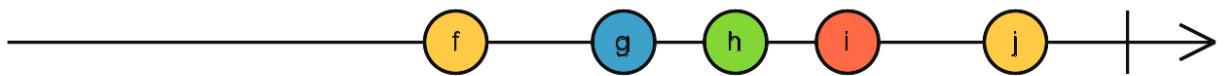
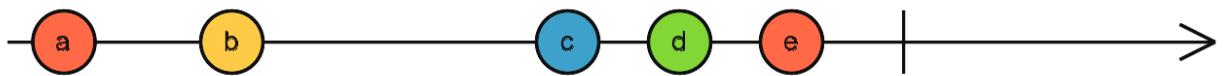
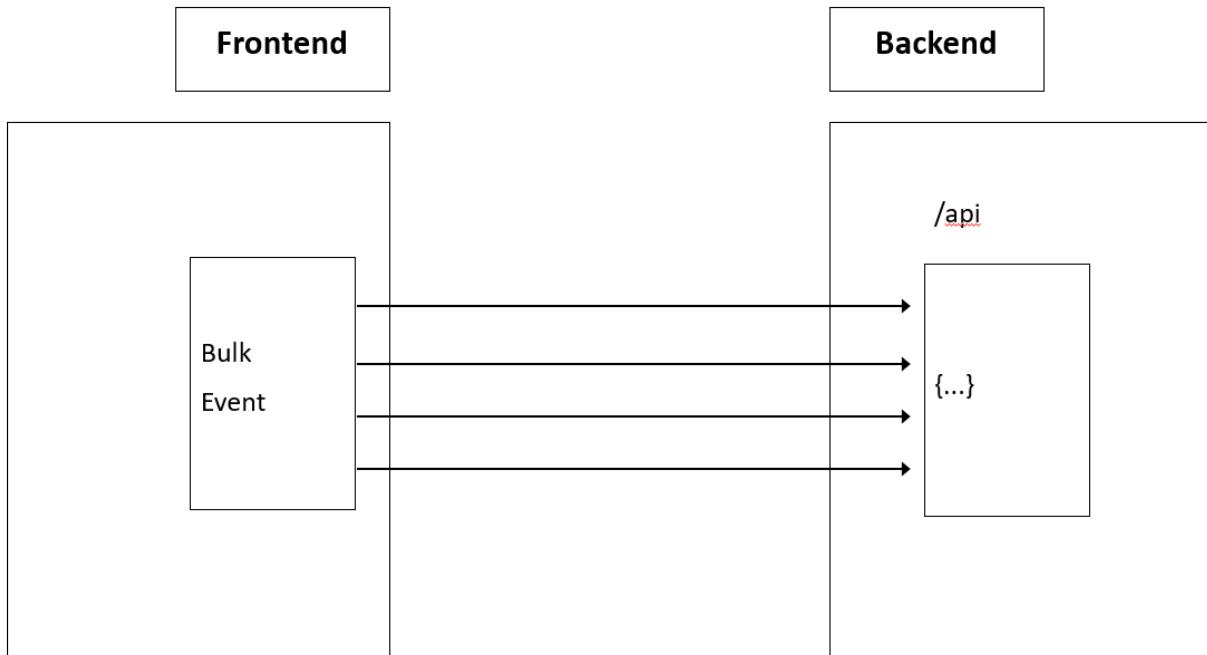
Call the update method

Inject the service and subscribe to the Observable

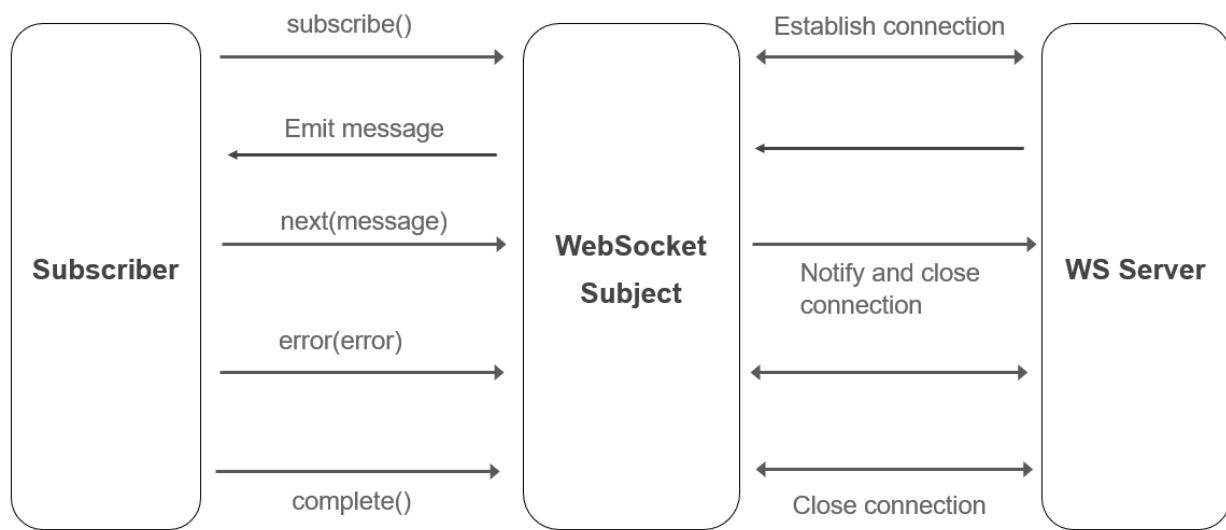
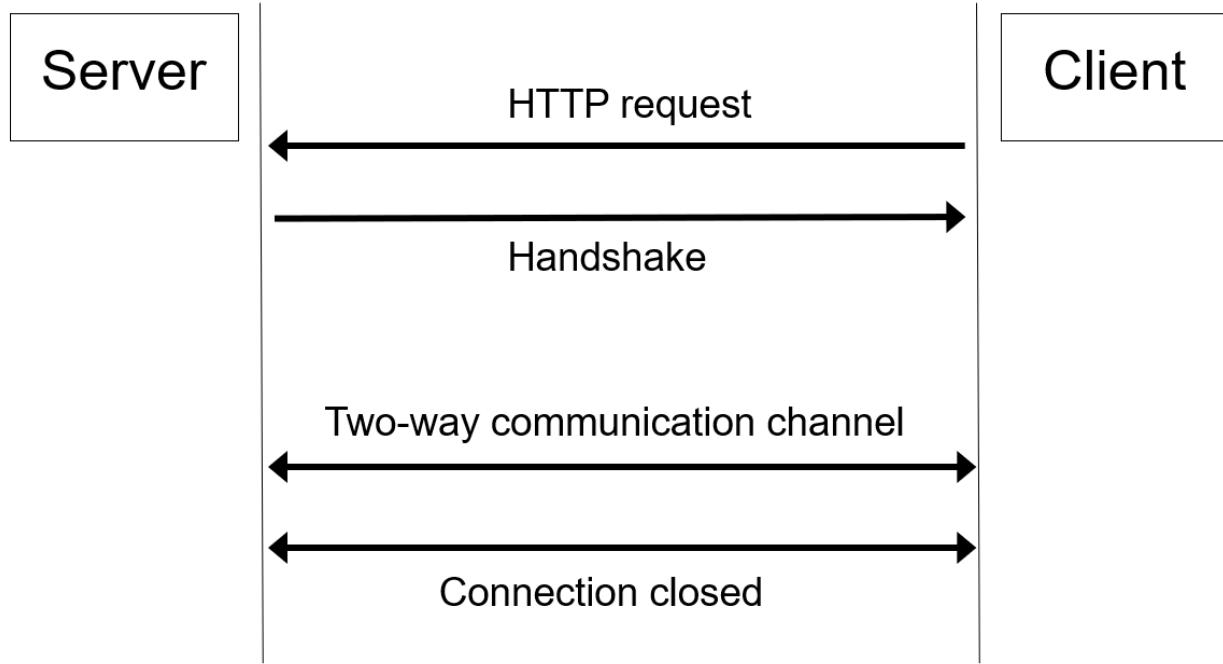
Chapter 11: Bulk Operations

New Recipe

Title	Ingredients	Tags
<input type="text"/>	<input type="text"/> +	<input type="radio"/> Dinner <input type="radio"/> Healthy <input type="radio"/> Salty <input type="radio"/> Sweet <input type="radio"/> Italian <input type="radio"/> Lunch <input type="radio"/> Breakfast
Yield	Preparation Time	Cooking Time
<input type="text"/>	<input type="text"/>	<input type="text"/>
Steps	<input type="text"/>	
ImageUrl	<div style="border: 1px solid #ccc; padding: 5px; display: flex; justify-content: space-between;"> + Choose Upload Cancel </div> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <div style="display: flex; align-items: center;">  fresh-raw-steaks-trout-wooden-cutting-board-with-sliced-lemon-rosemary-pepper.jpg 5.471 MB X </div> <div style="display: flex; align-items: center;">  dietary-salad-with-mussels-quail-eggs-cucumbers-radish-lettuce-healthy-food-seafood-salad-top-view-flat-lay.jpg 17.192 MB X </div> </div>	



Chapter 12: Processing Real-Time Updates



Chapter 13: Testing RxJS Observables

```
TOTAL: 2 SUCCESS
✓ Browser application bundle generation complete.
Chrome 95.0.4638.69 (Windows 10): Executed 2 of 8 (skipped 6) SUCCESS (0.046 secs / 0.018 secs)
TOTAL: 2 SUCCESS
✓ Browser application bundle generation complete.
Chrome 95.0.4638.69 (Windows 10): Executed 2 of 8 (skipped 6) SUCCESS (0.046 secs / 0.016 secs)
TOTAL: 2 SUCCESS
✓ Browser application bundle generation complete.
Chrome 95.0.4638.69 (Windows 10): Executed 1 of 7 (skipped 6) SUCCESS (0.038 secs / 0.018 secs)
TOTAL: 1 SUCCESS
```

```
Chrome 95.0.4638.69 (Windows 10) SampleService marble tests should return values in the right order FAILED
  Error: Expected $[0].notification.value = 'Hello' to equal 'Hello22'.
    at <Jasmine>
    at TestScheduler.assertDeepEqual (src/app/core/services/shared-data.service.spec.ts:43:18)
    at node_modules/rxjs/_esm2015/internal/testing/TestScheduler.js:110:1
    at Array.filter (<anonymous>)
Chrome 95.0.4638.69 (Windows 10): Executed 4 of 10 (1 FAILED) (skipped 6) (0.073 secs / 0.043 secs)
TOTAL: 1 FAILED, 3 SUCCESS
```