

Unit Testing by Mocking Observable Values and Testing RxJS Operators



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Module Overview



Demo: Testing Hot Observables

Mocking Observables Values

Testing RxJS Operators

Summary



Demo



Testing hot observables



Mocking Observable Values



```
cold('marbles', mock-object-with-values)
```

Mocking Observable

First parameter is marble diagrams

Second parameter is the mock object for the emitted values



```
cold('(x|)', { x: 'orange' })
```

Observable Emitting Single Value

Here the value of the x character will be 'orange'



```
hot('marbles', mock-object-with-values)
```

Mocking Observable

First parameter is marble syntax

Second parameter is the mock object with emitted value



```
hot('(x|)', {  
    x: ['orange', 'apple']  
})
```

Observable Emitting Single Value

Here the value of the x character will be an array of 'orange' and 'apple'



Demo



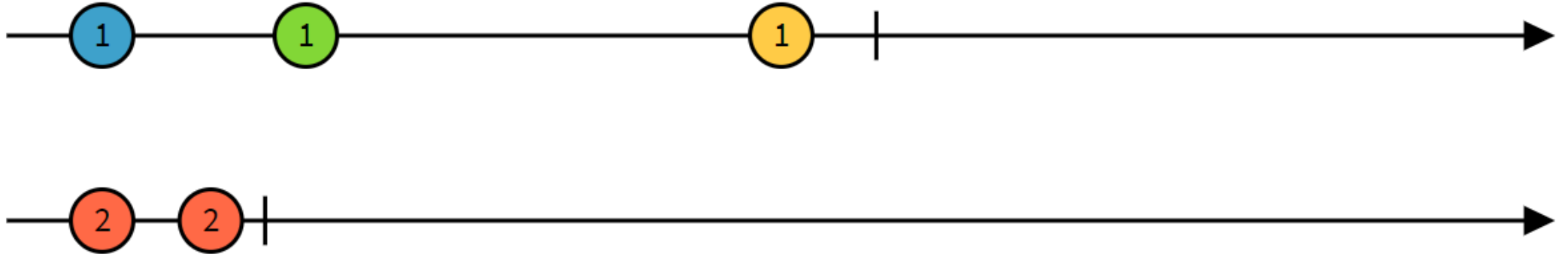
Testing mocking observable values



Testing RxJS Operators



Concat



concat



Concat Example



Make 10 different api calls

Make sure api calls are in sequence

Before navigate to home page, make sure all api calls are done

Apply concat operator

Subscribe to result operator then load home page



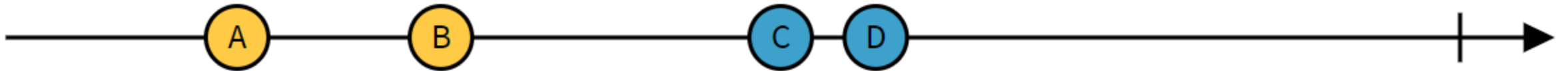
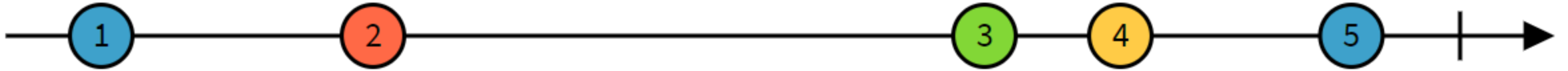
Demo



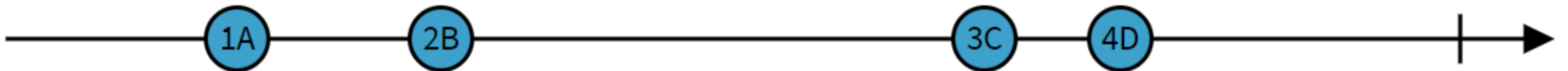
Testing RxJS concat operator



Zip



zip



Demo



Testing RxJS zip operator



Summary



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