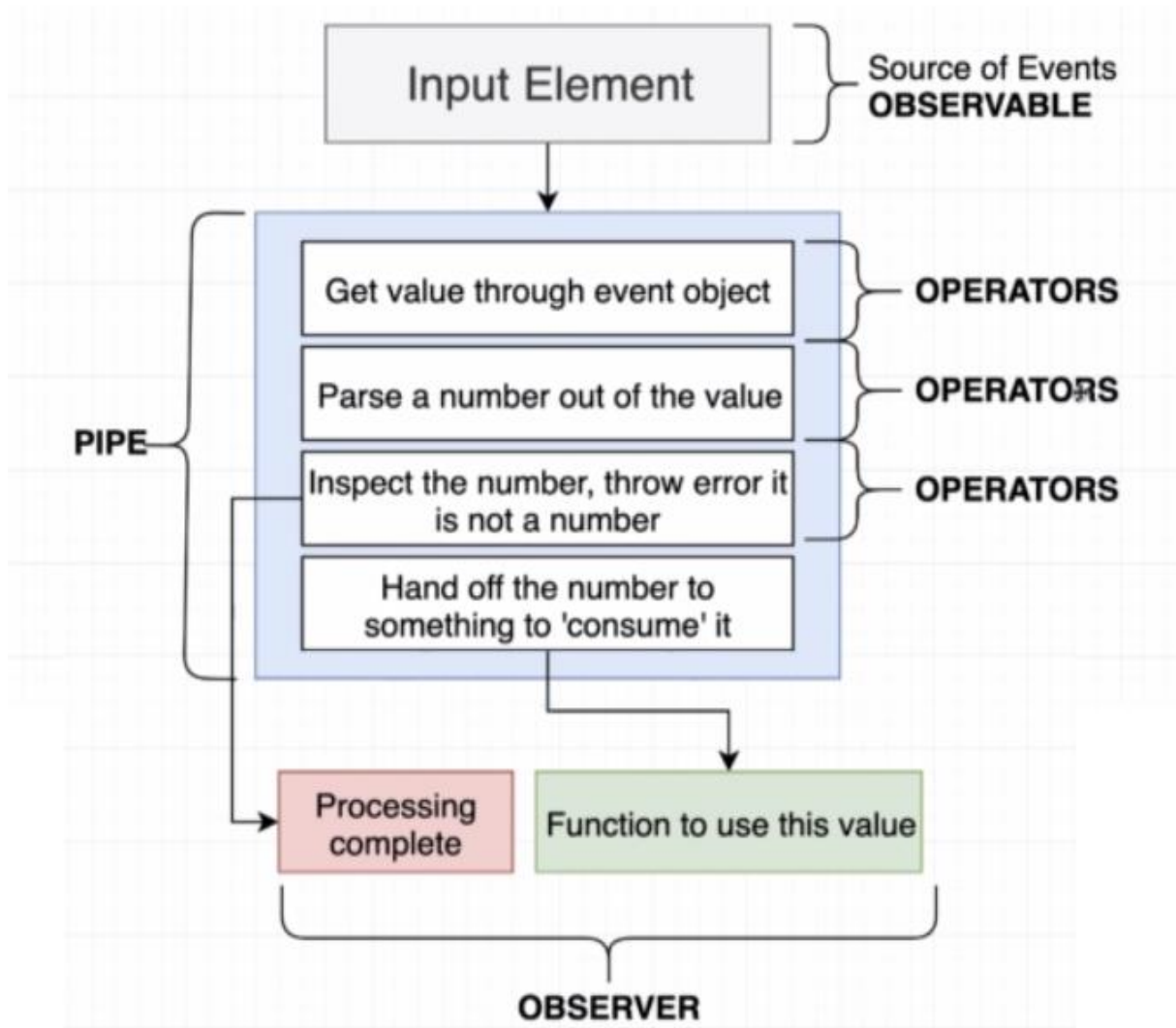
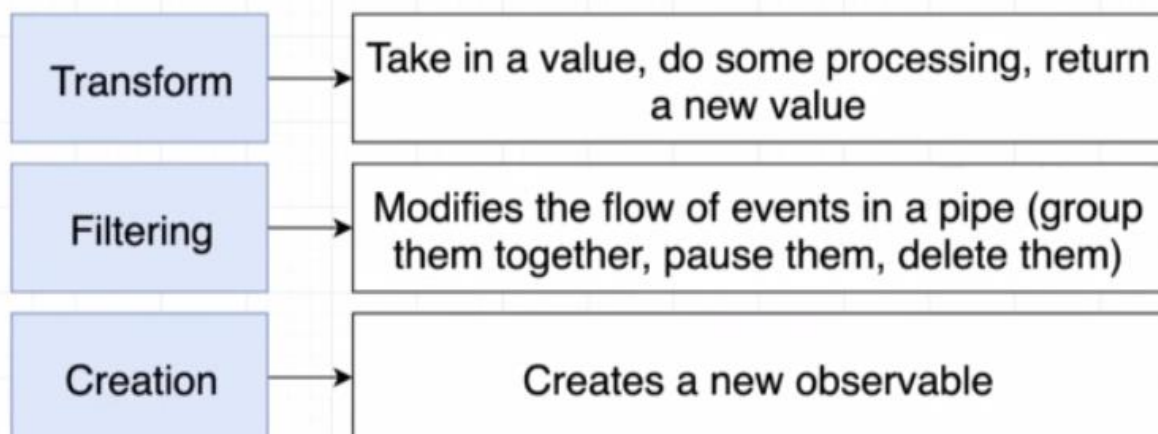


# RxJS Terminology



## Major Operator Groups



## Unicast Observables

Emit a *separate* set of values for each observer that subscribes

All of the operators in a pipe will be executed for each separate observer that subscribes

Can easily lead to bad behavior!

Unicast Observables are bad: for example when Observable has HttpRequest. For each subscribe call, a new HttpRequest will be called.

## Multicast Observables

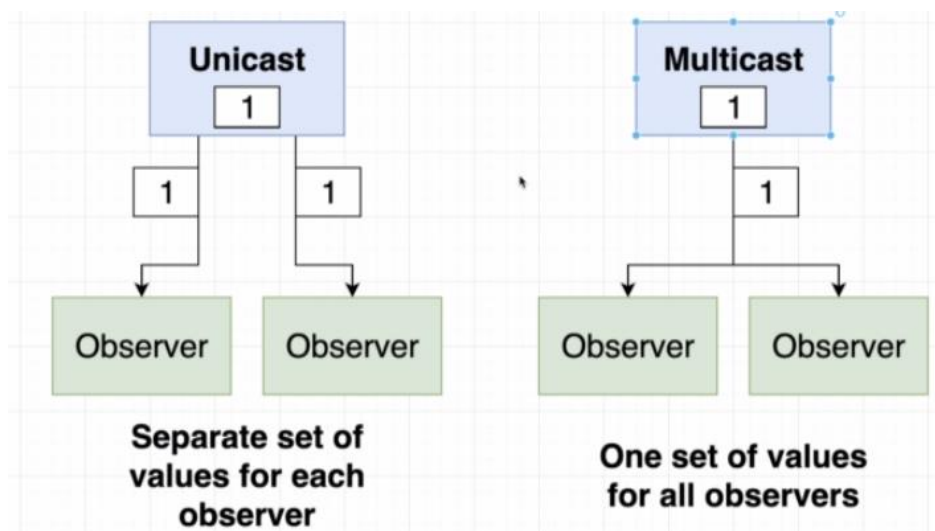
Emit a *single* set of values for all observers that subscribe

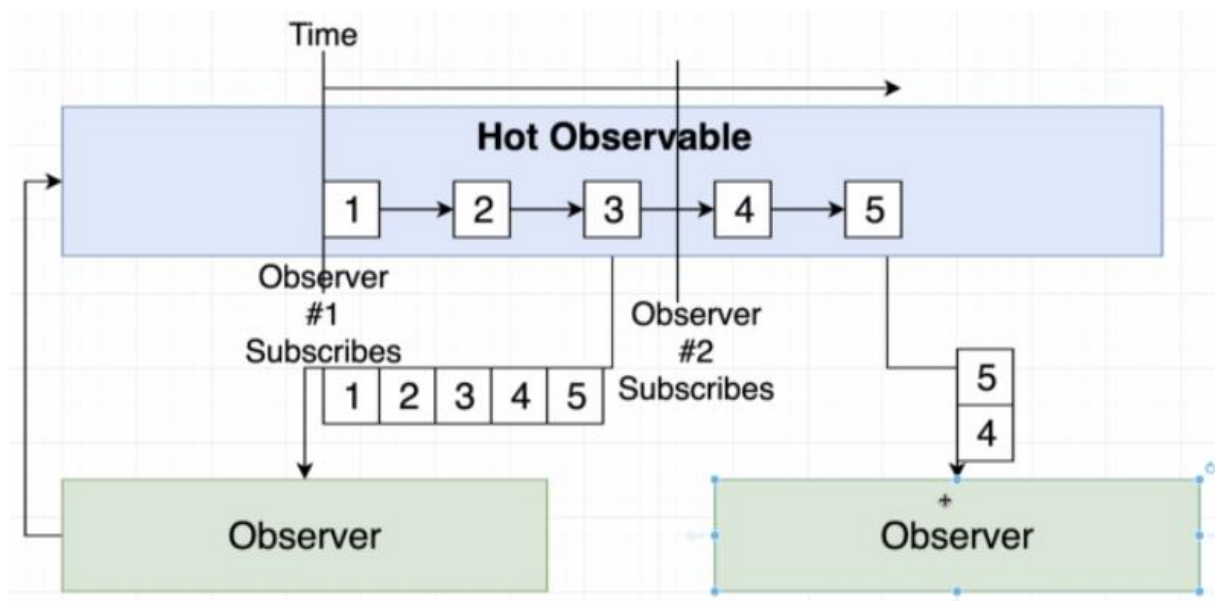
All of the operators in a pipe are executed just once

The observable will be 'reset' if it gets 'completed' or 'errored' then another subscriber is added

Quickly runs into issues with a later subscriber not seeing earlier events!

Multicast Observables are using **share()** method inside the **.pipe(...)**





The second Observer starts getting future values compared to Observable #1

