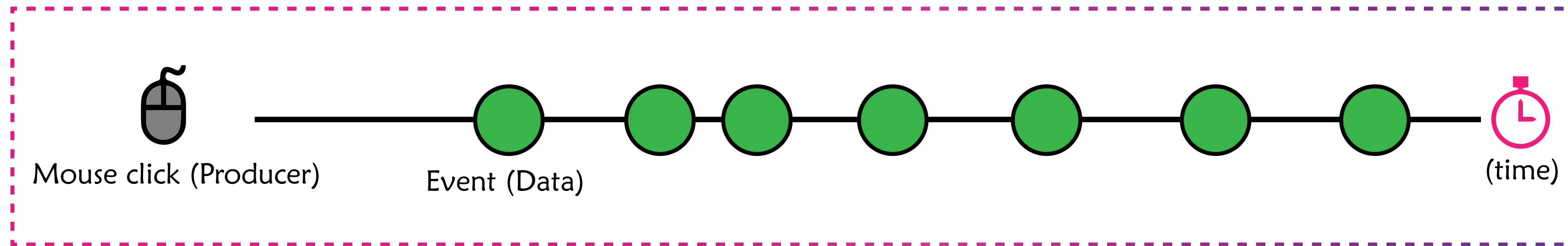


Observable As Collection



Observable
(that can be observed)

Observables are **collections**
of *events* or “**Pushed values**”

Like an **array**, collections
of numbers, strings or anything

Collections have operations

1. Filter
2. Transform
3. Aggregate
4. Join



Operators

Creation Operators

Used to create an Observable

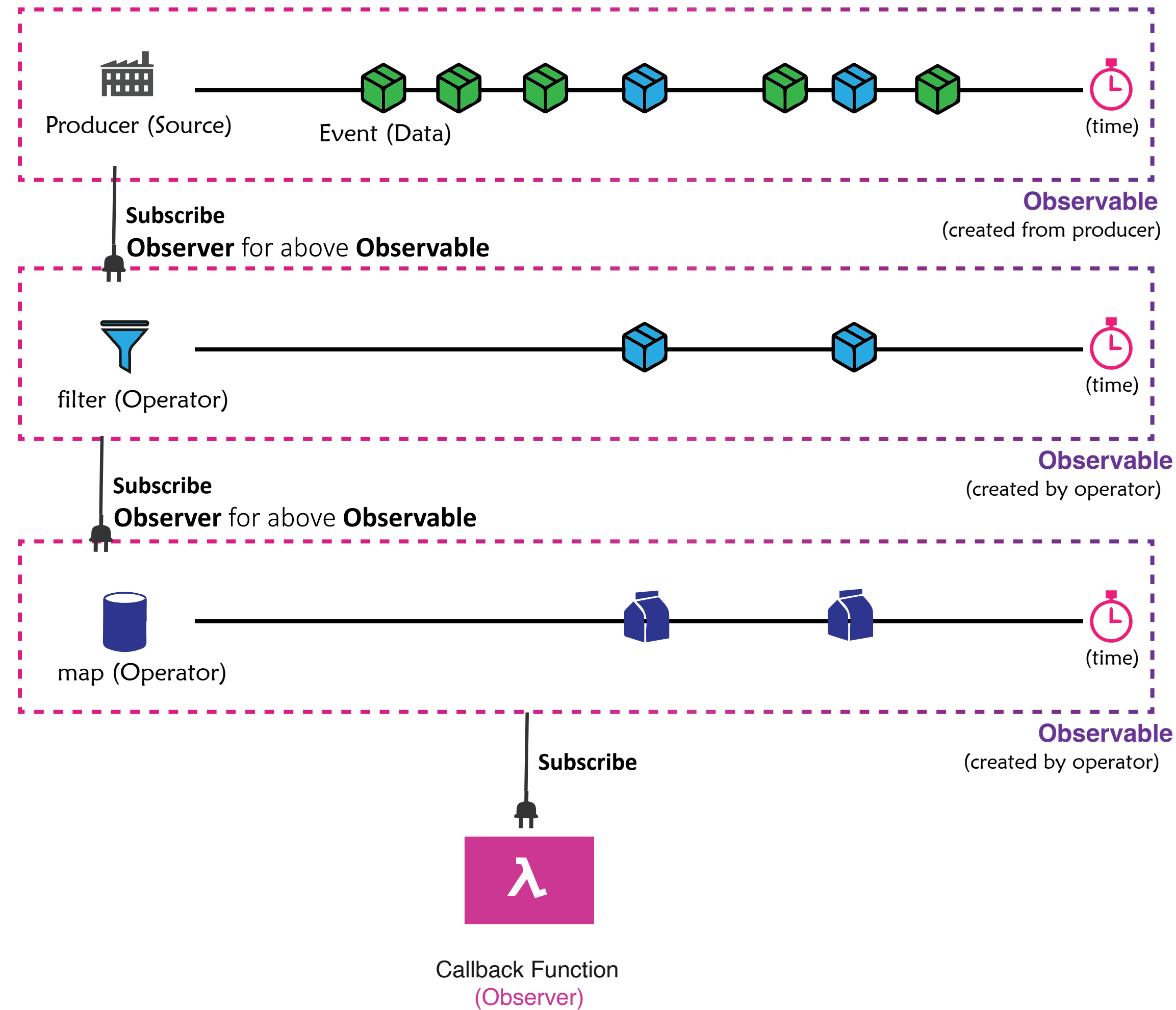
Pipeable Operators

Takes an Observable as Input and
returns a new Observable



Pipeable Operator

Pipeable Operator is a pure **Higher-Order Function** that takes an Observable as Input & returns a new Observable.



Piping
(operators are in chain)

Pipe Syntax

```
of(1, 2, 3, 4, 6, 7)
```

```
.pipe(  
  filter( n => n % 2 == 0 ),  
  map( n => n + n )  
)
```

```
.subscribe({...})
```

4, 8, 12

Output



Pipeable Operators Categories

1. Transformation

2. Filtering

3. Conditional

4. Mathematical/Aggregate

5. Join

6. Utility



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