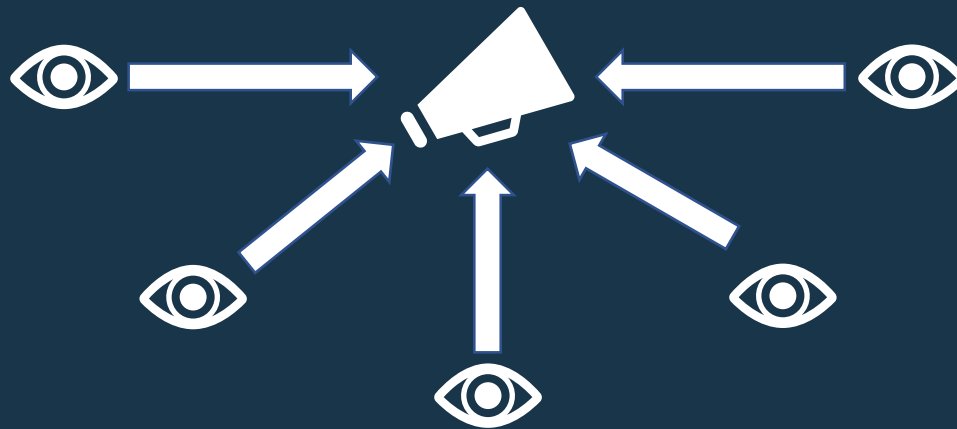# BehaviorSubject

Two way Data binding between components

What is BehaviorSubject?

- It's a RxJS **Subject** class **Extension**

- Subject is a special type of **Observable** that allows values to be **multicasted** to **many observers**

- BehaviorSubject **holds values**, Subject doesn't

What operations does it have?

```
// Declare
let mySubject: BehaviorSubject<T>;
// Initialize
mySubject = new BehaviorSubject(initialValue: T);
// Set new value and broadcast it to the observers
mySubject.next(newValue: T);
// Get value
mySubject.getValue(): T;
// Observe it
mySubject.subscribe(next: (value: T) => void);
```

Where to use it?

Inside a **service**, which can be **injected** in **services** and **components**

Code example

https://github.com/lugutier/angular-example-behaviorSubject