RxJS Quick Takes

What is an Observable?

* A collection of ítems over times, like an array.
* Unlike an array it does not retain items.
* Emitted items can be observed over time.

Why use an observable

Things that arrive over time:

* Key presses
* Mouse movement
* Button clicks
* An HTTP response

Notifications

* Process complete
* Process failure

React to arrival (emission) and notification

Subscribe and unsubscribe from an Observable!

In a service you can have a method which makes a call to a backend API and map the response to an observable:

getProducts(): Observable:<Product[]> {

return this.http.get<Product[]>(this.productUrl);

}

Then in our component:   
  
ngOnInit(): void {

this.sub = this.productService.getProducts().subscribe();

}

1. Ensure each observable is subscribed

2. Ensure each observable is unsubscribed.

Don't nest subscribes

Revisar pipe, tap...





How do I get data from observables?



The object we receive is the subscription and we are waiting for 3 types of notifications:

- next

- error

- complete  
  
RxJs changed it's implementation to receive the complete, in most of the applications, next and error are used.

$ is the naming convention for observables meaning that is not an array or other type of collection.

