Making HTTP Requests with Angular

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Overview

Observables

Proxy setup

GET requests

POST requests

Observables – Dealing with Asynchronous Data

Callbacks

Promises

Observables

Using Observables

```
let userData = getUserDataFromServer();



let userDataObs = getUserDataObservable();
userDataObs.subscribe(userData => {
    // process data
}
```

Using Observables – Alternate Syntax

```
let userData = getUserDataFromServer();
```

```
let userDataObs = getUserDataObservable();
userDataObs.subscribe({
   next: userData => { // process data },
   error: error => { // handle error },
   complete: () => { // handle complete }
});
```

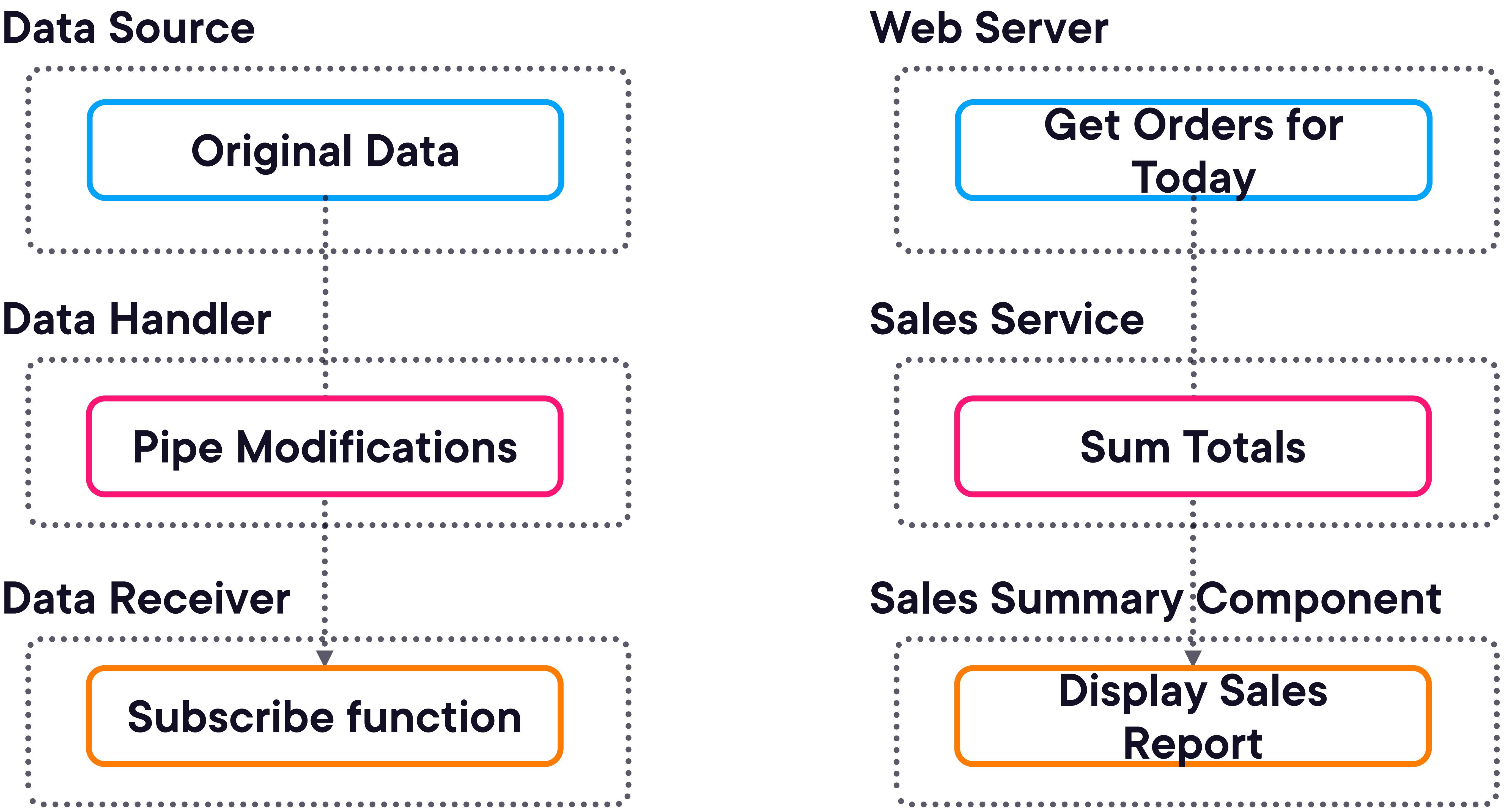
Piping Inputs

```
let userDataObs = getUserDataObservable();

userDataObs.pipe(
    // modify the data
);

userDataObs.subscribe(userData => {
    // process data
}
```

Piping Streams of Data



Creating Observables

```
let numbersObs = from(4);

numbersObs.pipe(
    map((num) => { return num + 1 });
);

numbersObs.subscribe(data => {
    console.log(data); // 5
}
```

Creating Observables – Part 2

```
let myNumbers = new BehaviorSubject<number>();

myNumbers.subscribe(num => {
    console.log(num);
});

myNumbers.next(1);
// prints out 1
myNumbers.next(2);
// prints out 2
```

Summary

Observables

- RxJS

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