

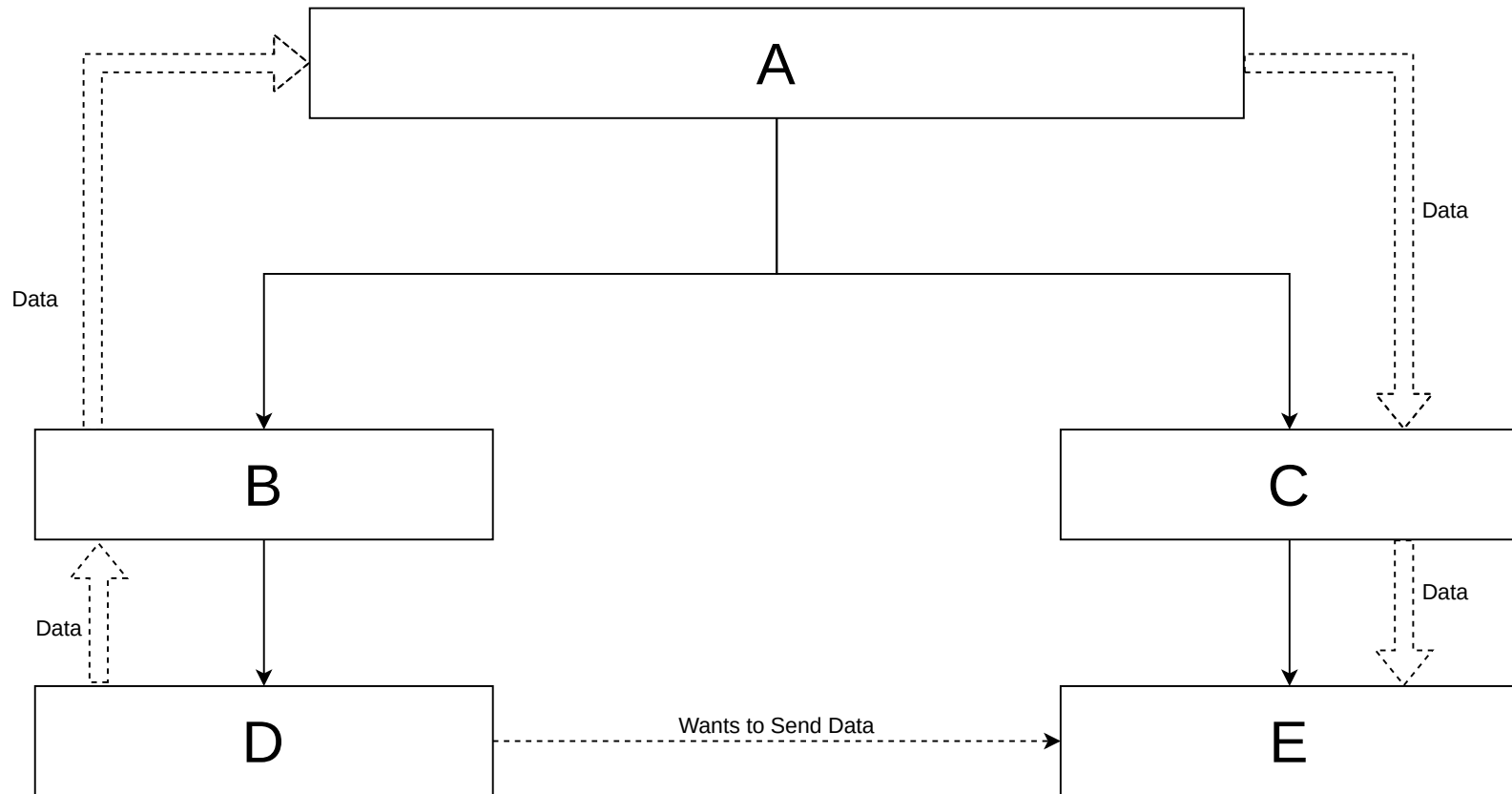
Services

Central place for data management in our app

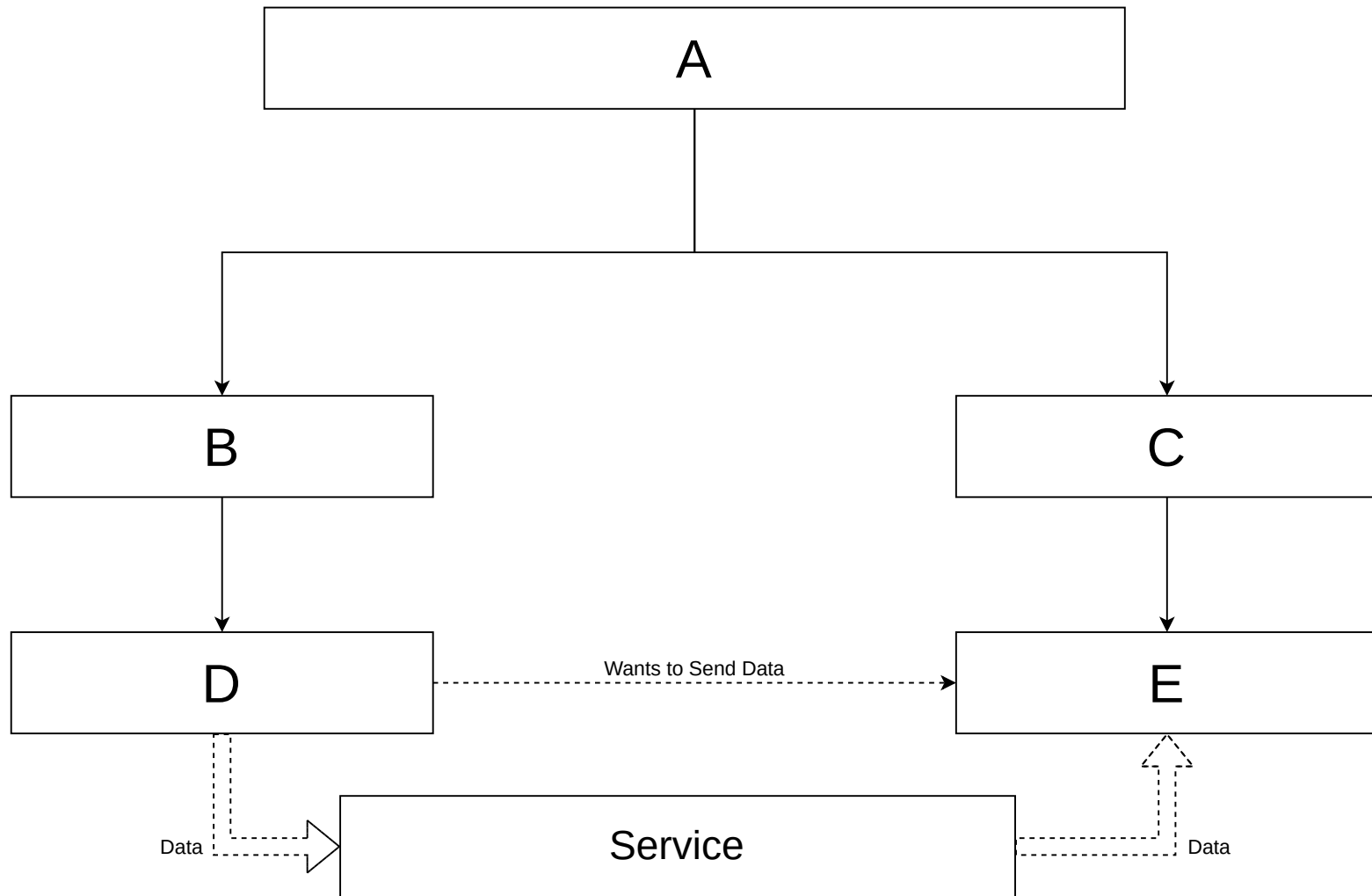
Great place to put network requests

Easily used by Components

Services are implemented as classes, and Angular automatically creates
single instance of each service



Without Service



With Service

Generating Service

ng generate service <Name>

or

ng g s <Name>

Observable

Various Data Sources like Input event, Http Requests, Triggers in code etc

Mutually
Exclusive

Your
Code

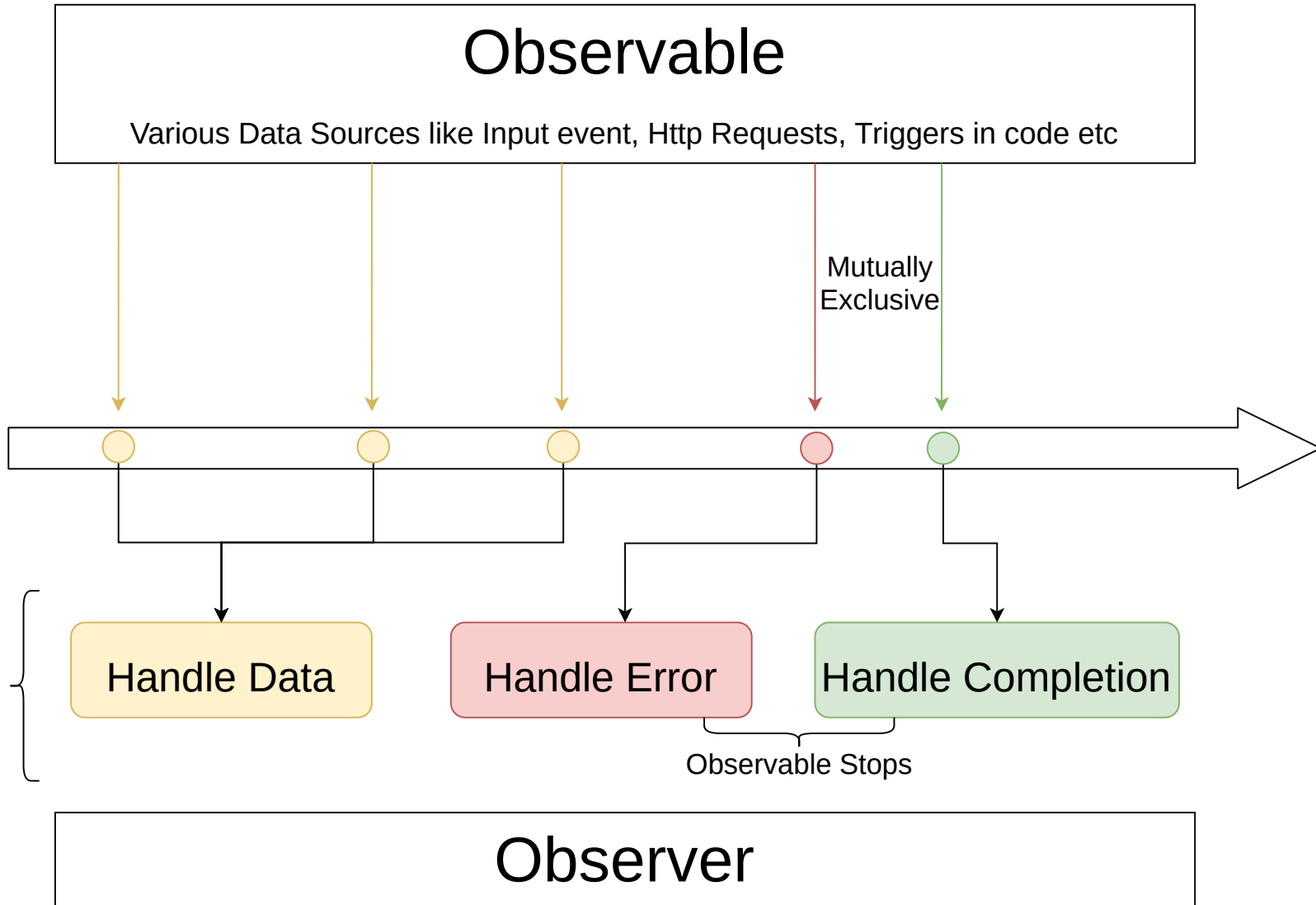
Handle Data

Handle Error

Handle Completion

Observable Stops

Observer



Creating Observable

Creation

```
const observable = new Observable<type>(observer => {  
    // observer.next(value)  
    // observer.error(err)  
    // observer.complete();  
})
```

Usage

```
const subscription = observable.subscribe(  
    value => { function for next },  
    err => {function for error },  
    () => {function for complete}  
)
```

```
subscription.unsubscribe(); // to stop receiving data
```

Subject

Same as observable, next can be called from outside

```
customSubject = new Subject<type>();
```

```
customSubject.subscribe(...)
```

```
customSubject.next(); customSubject.unsubscribe();
```