

Reactive Streams Using Spring WebFlux 5

Experiencing Reactive Programming



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Reactive Streams Using Spring WebFlux 5

Version Check



Version Check



This version was created by using:

- Spring Boot 2.6.3
- Spring WebFlux 5.3.15
- Java 17



Version Check



This course is 100% applicable to:

- Spring Boot 2.0 through Spring Boot 2.6
- Spring WebFlux 5.0 through Spring WebFlux 5.3
- Java 8 through Java 17



Reactive Programming



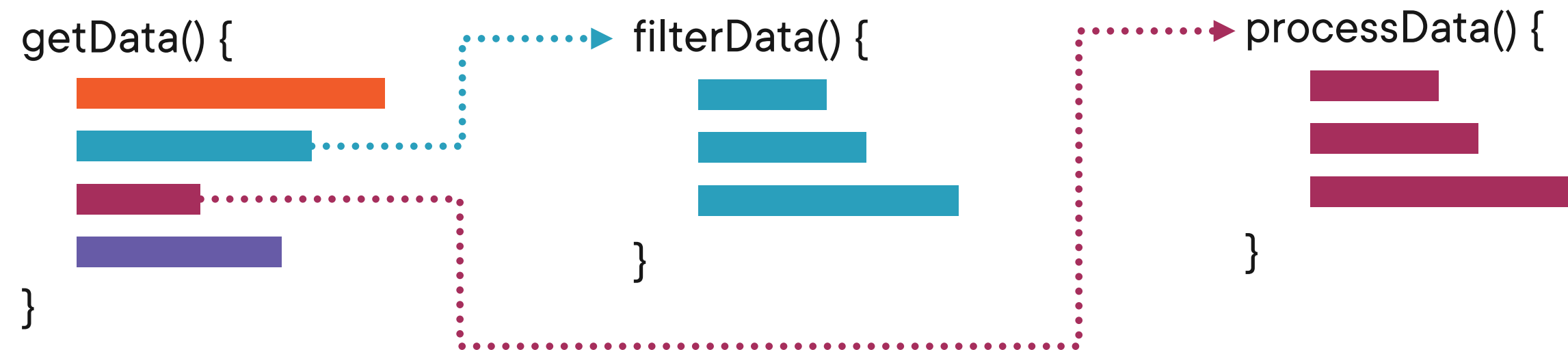
```
doSomething() {
```



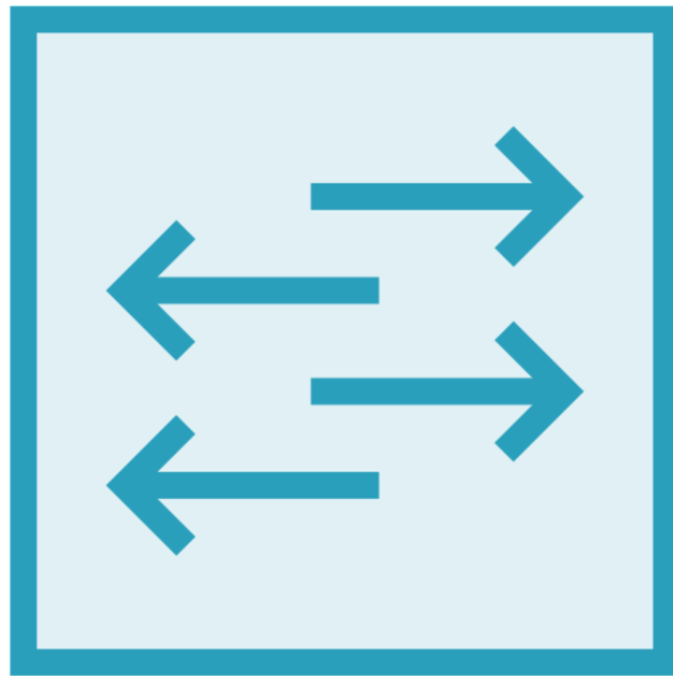
```
}
```



Imperative Programming



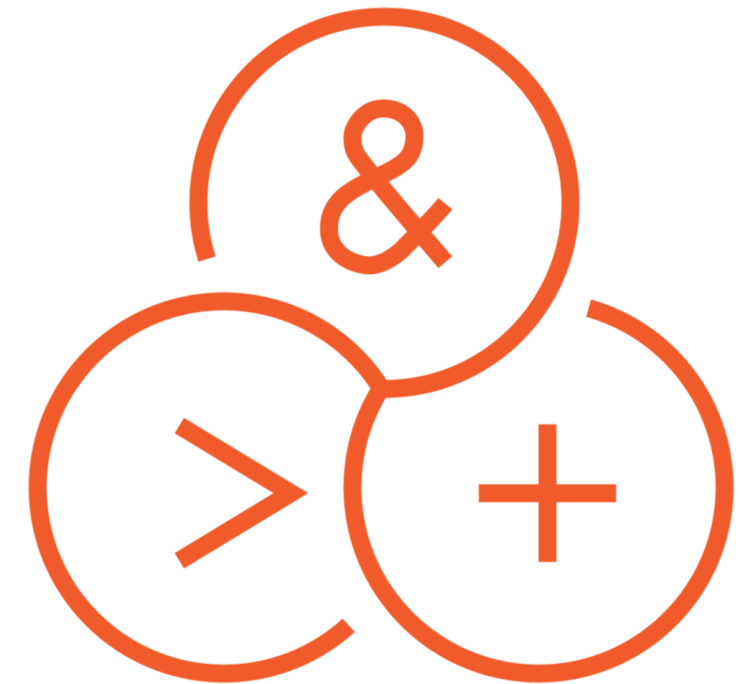
Reactive Programming



**Non-blocking
asynchronous
components**



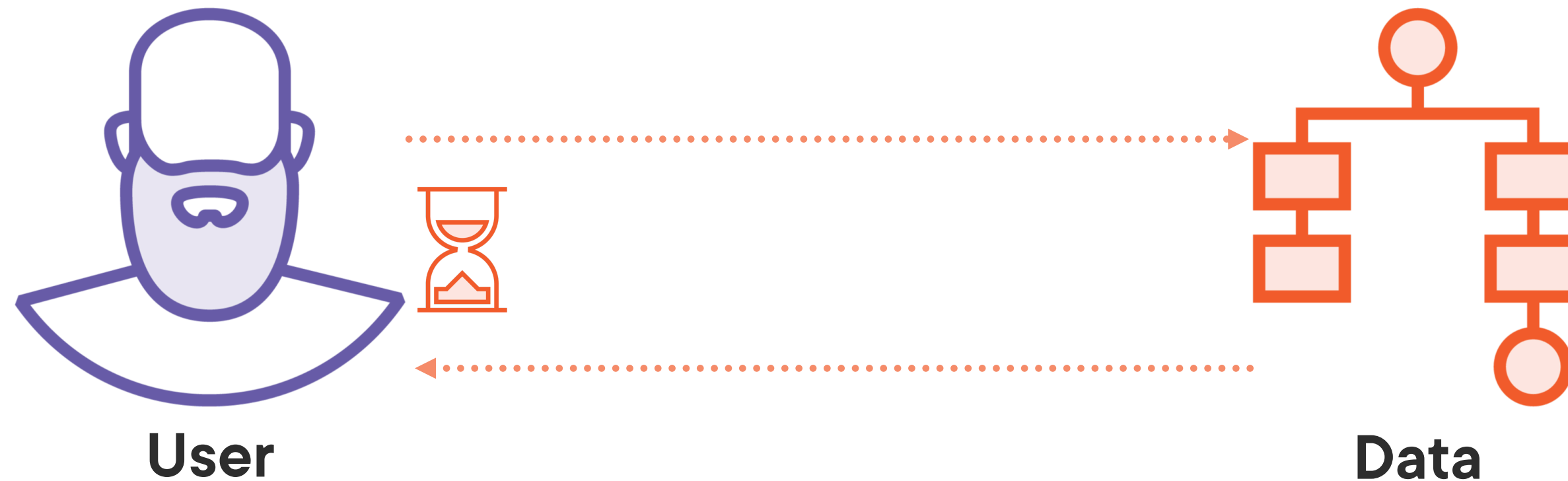
Data streams



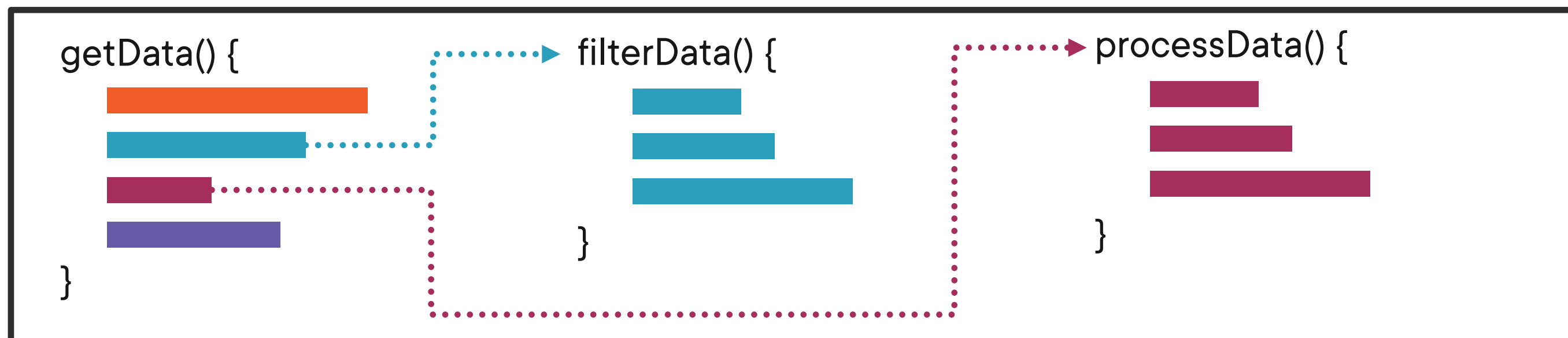
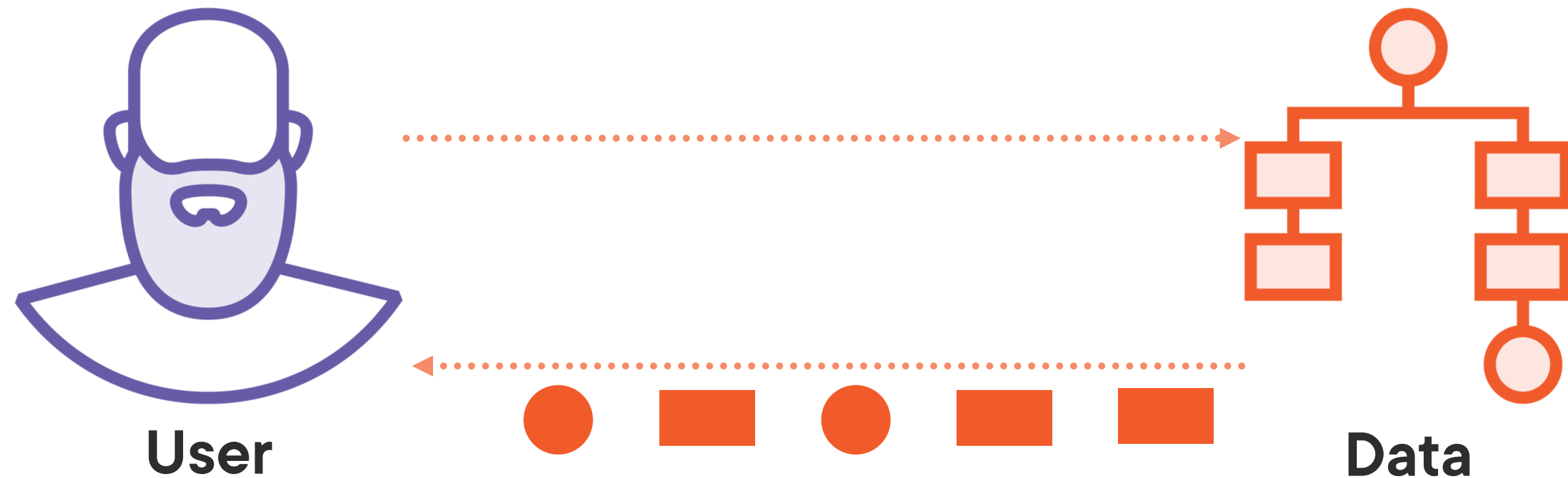
**Functional
programming**



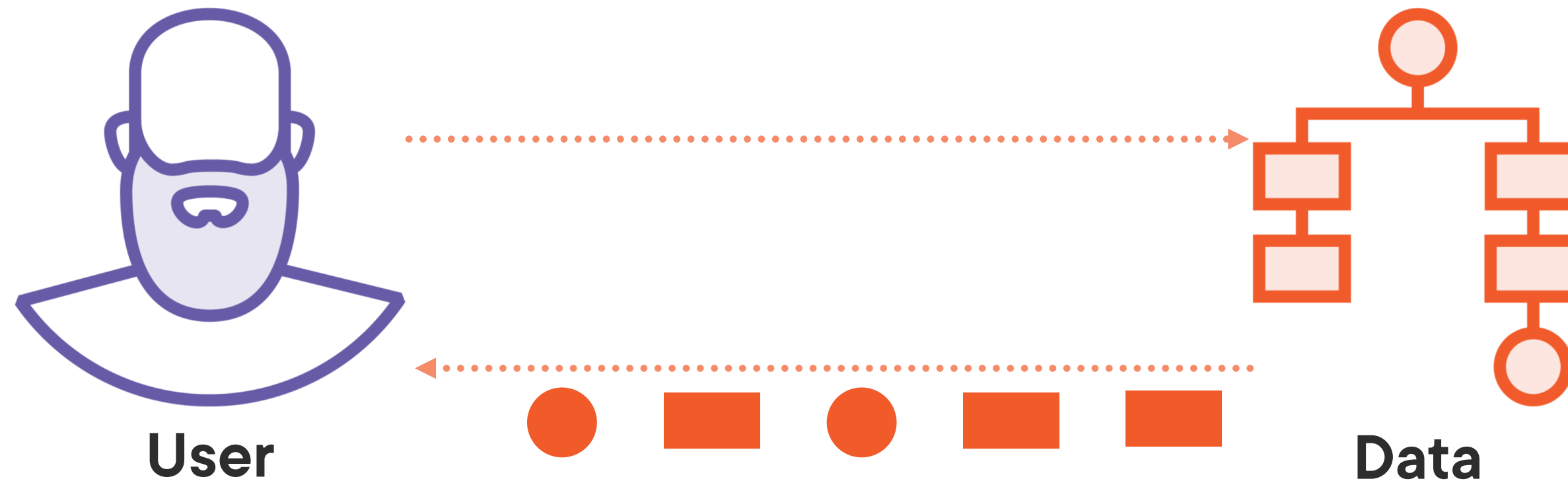
Reactive Programming



Reactive Programming



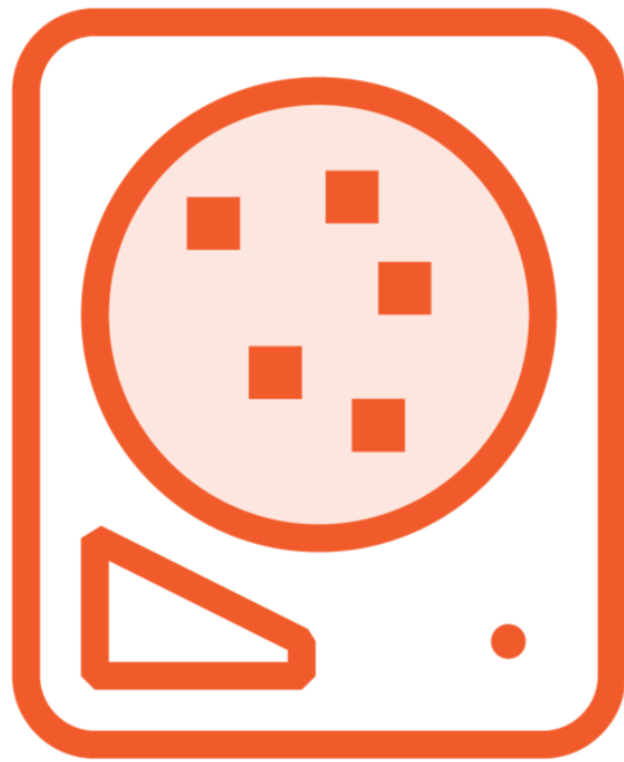
Reactive Programming



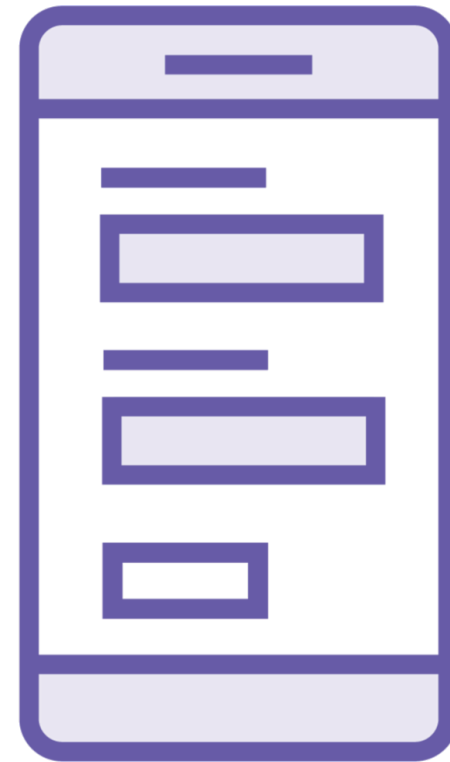
```
getData() {  
    
  .filter(   
 )  
  .process(   
 )  
  .return(   
 )  
}
```



Reactive Programming Use Cases



I/O operations



UI controllers

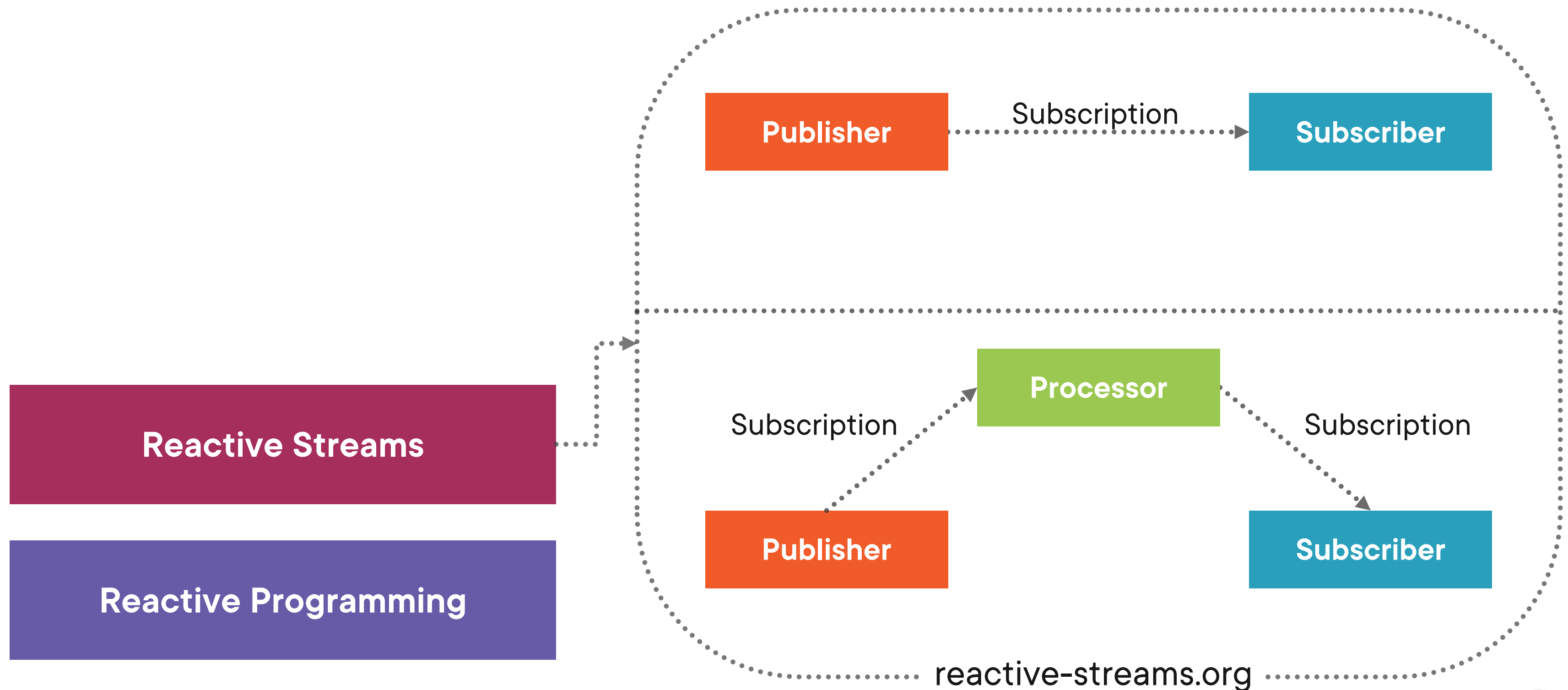


Internet of Things

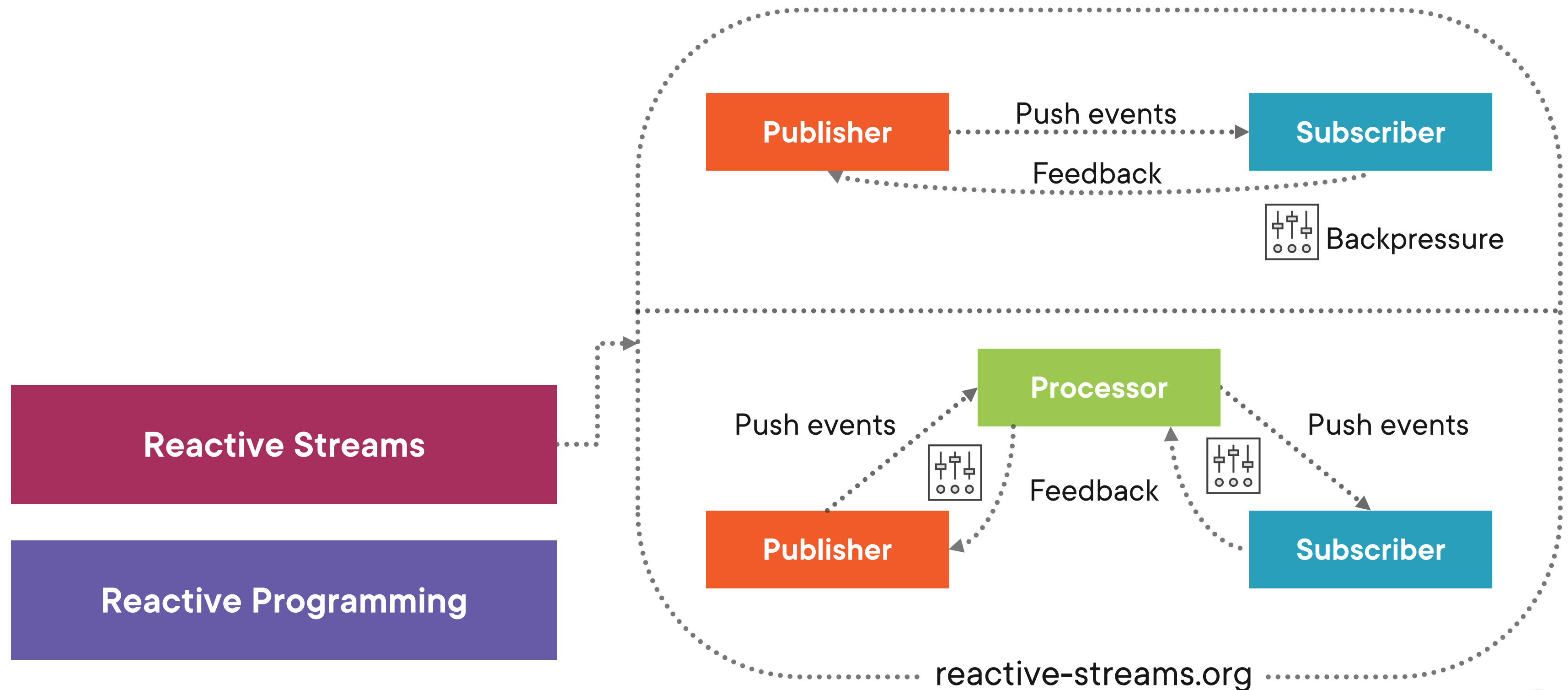
Spring WebFlux



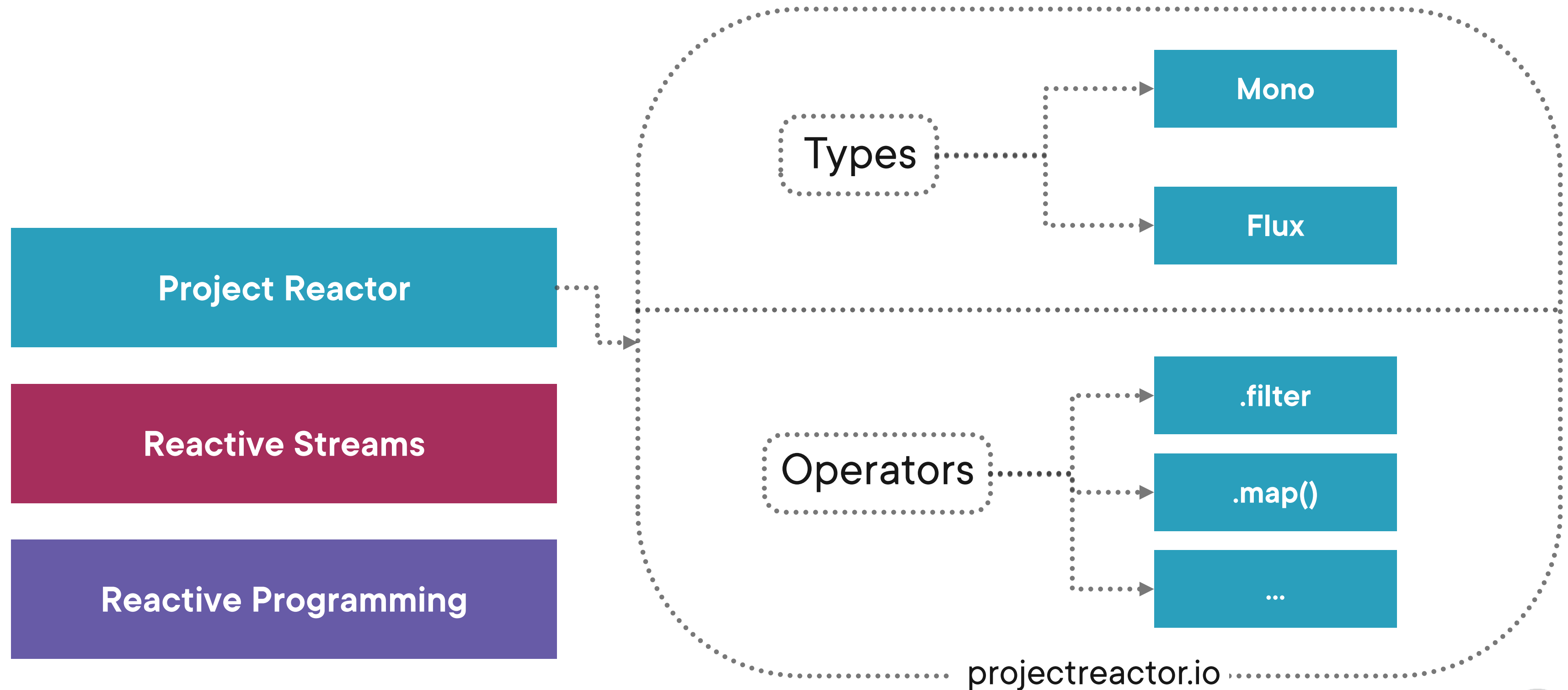
Spring WebFlux



Spring WebFlux

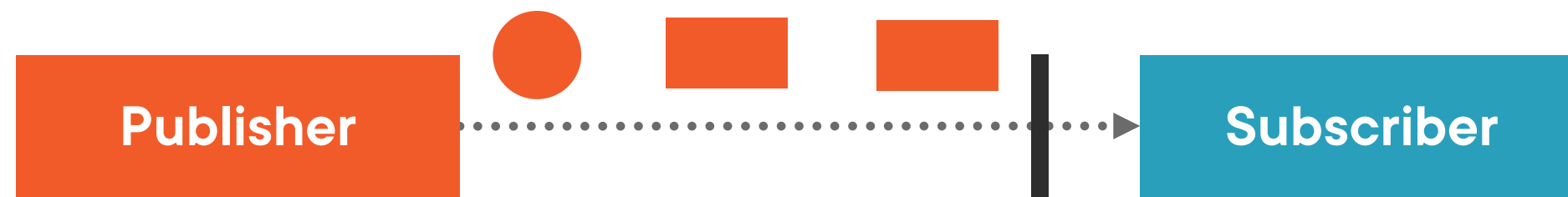


Spring WebFlux



Project Reactor Types

Flux



`.onSubscribe()`
`.onNext(●)`
`.onNext(■)`
`.onNext(■)`
`.onComplete()`

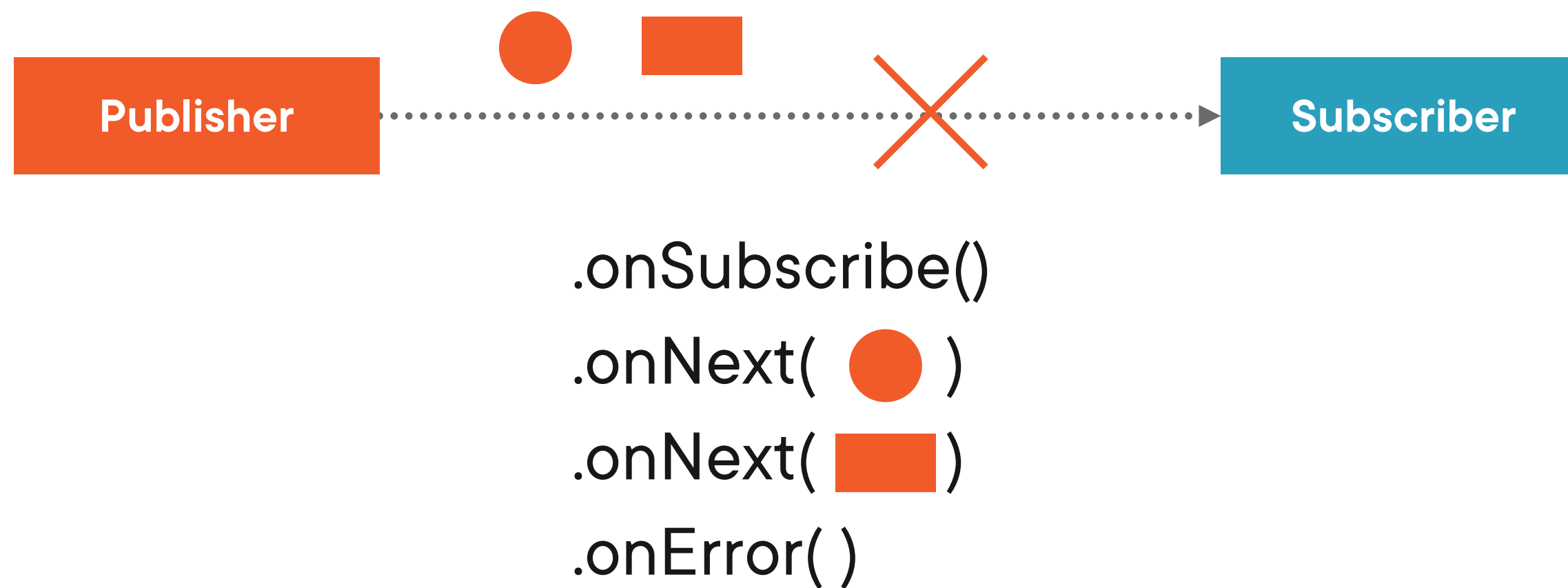
Mono



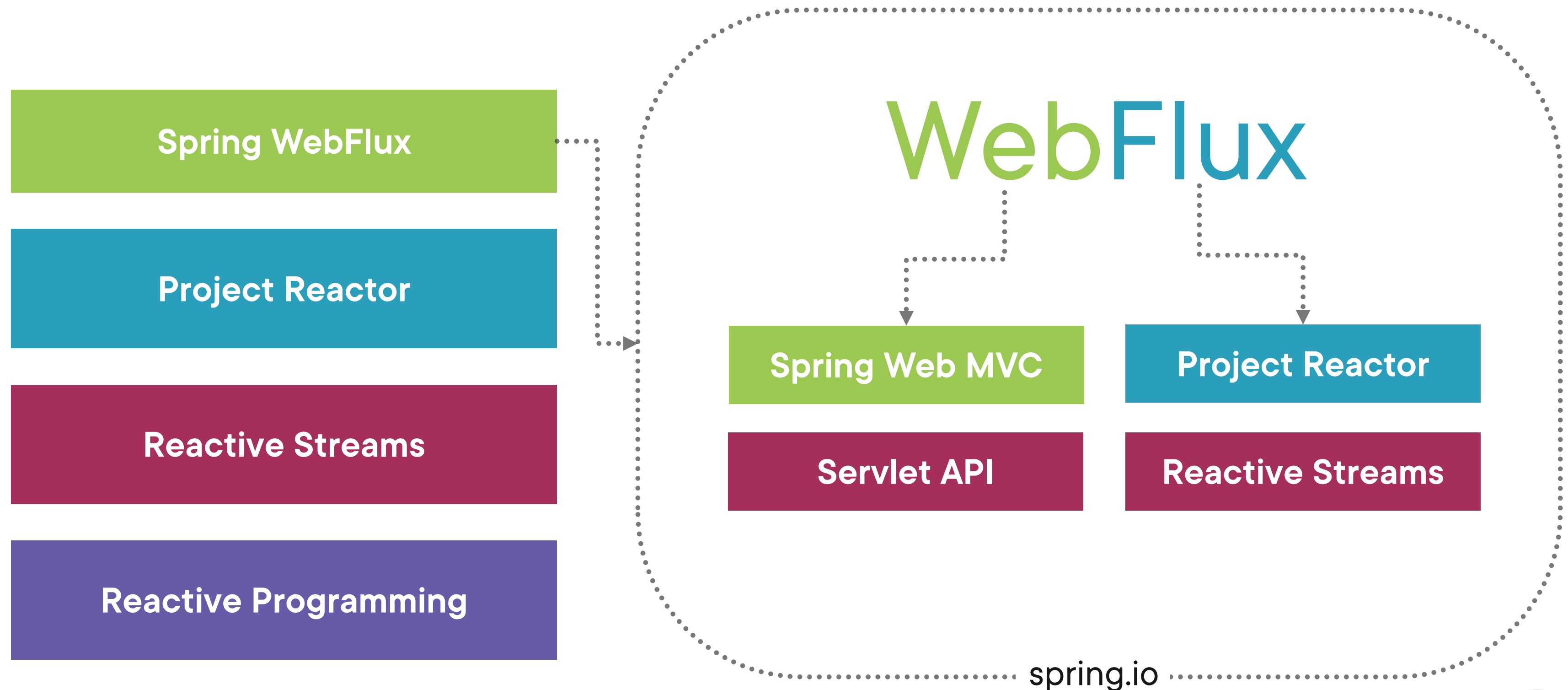
`.onSubscribe()`
`.onNext(■)`
`.onComplete()`



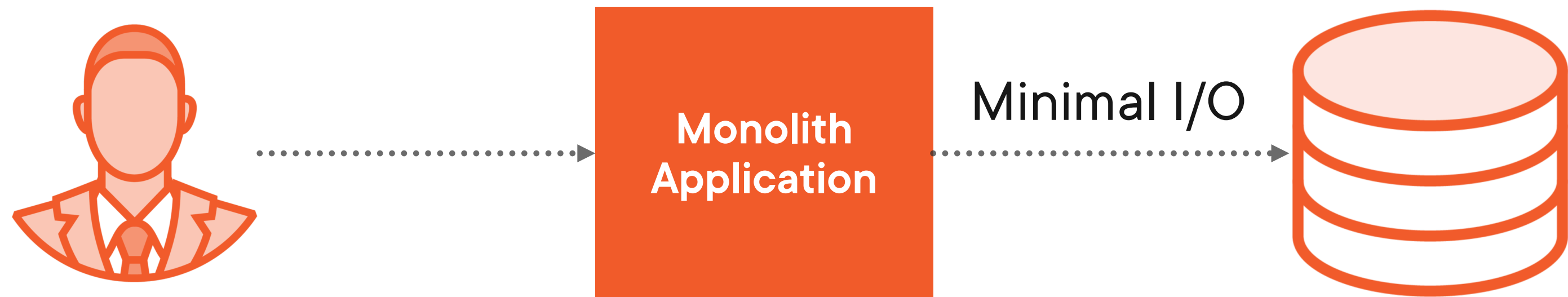
Project Reactor Types



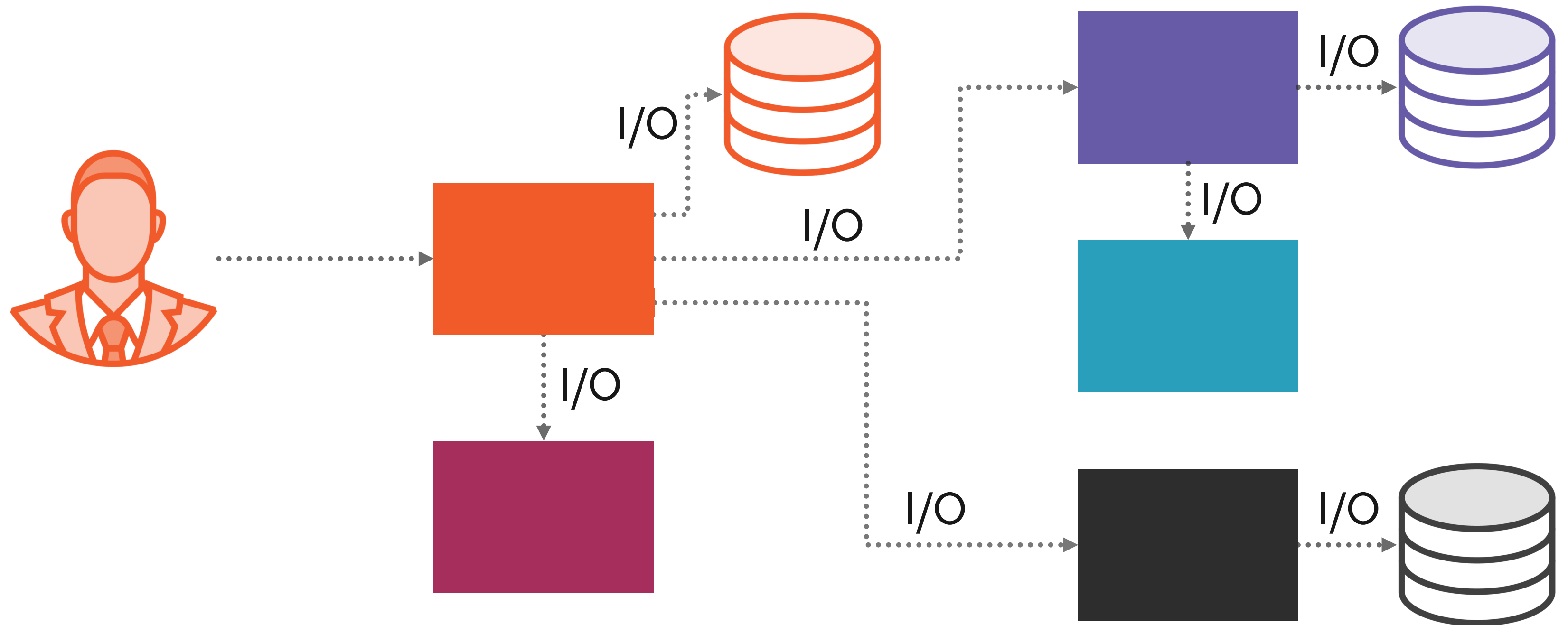
Spring WebFlux



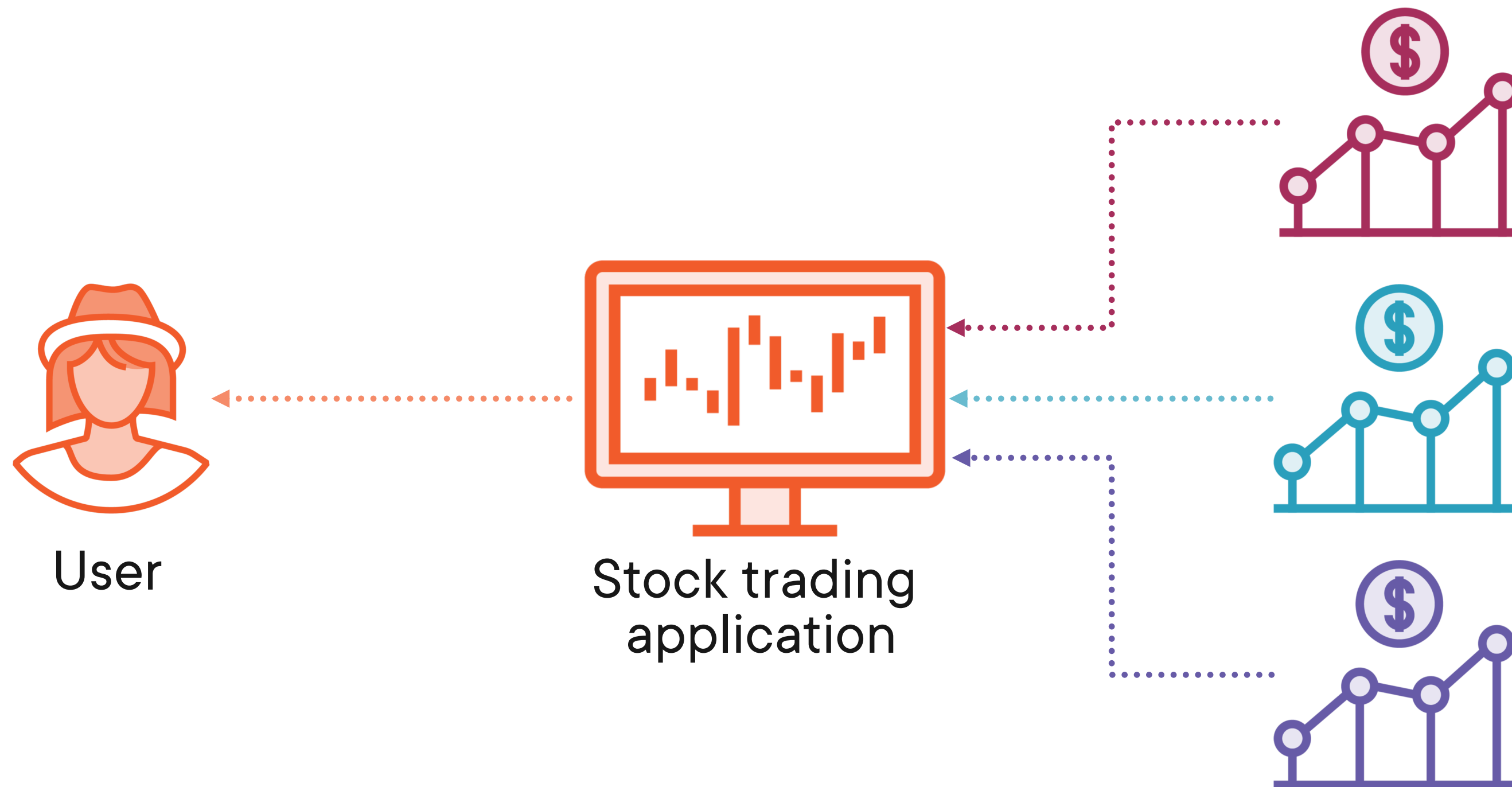
Spring WebFlux



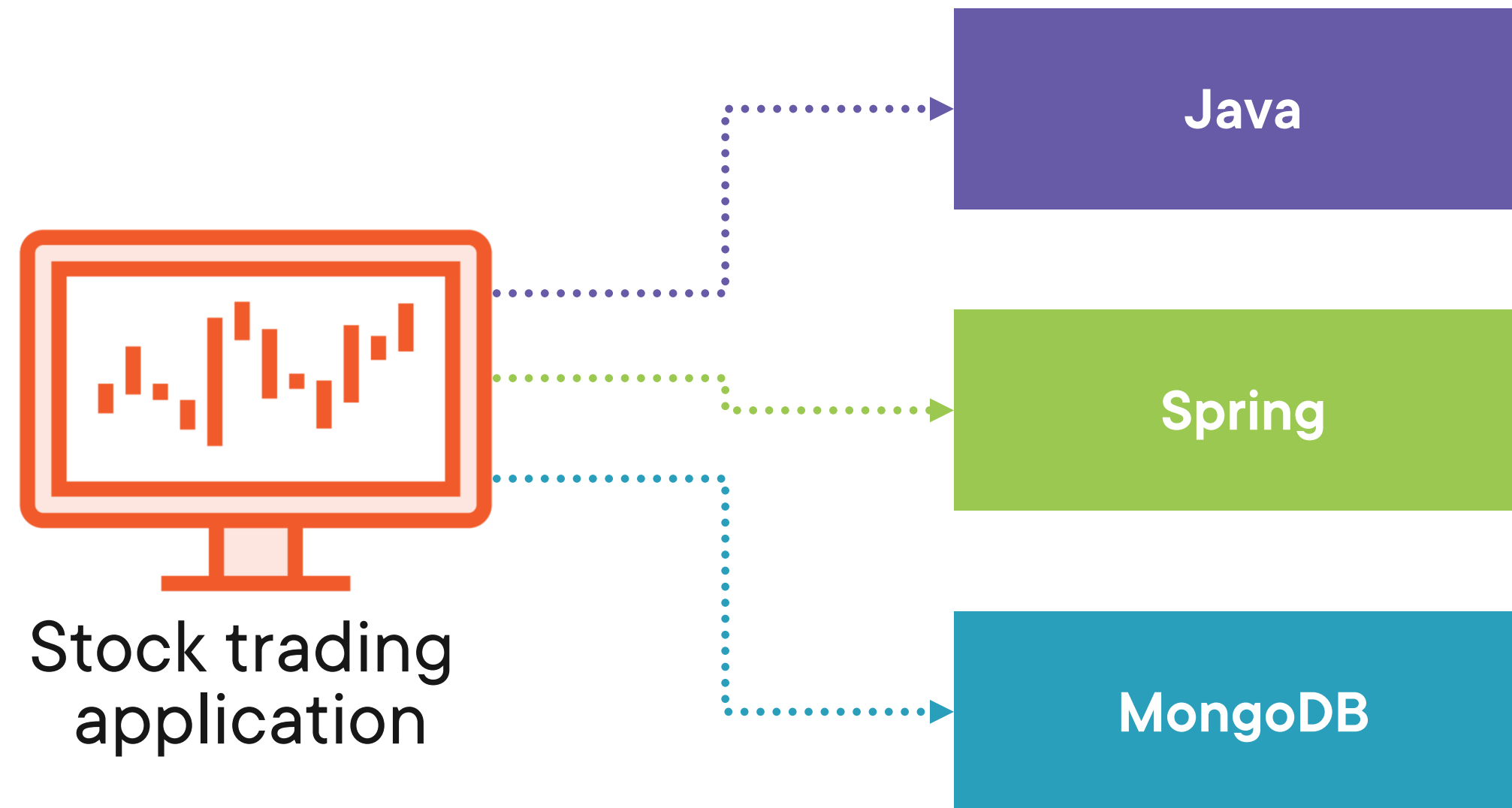
Spring WebFlux in Microservices



Globomantics



Prerequisites



Demo



Set up Spring WebFlux 5 project

Build reactive endpoints

Prerequisites:

- Java 17
- Gradle 7



Up Next:
Building Reactive Applications

