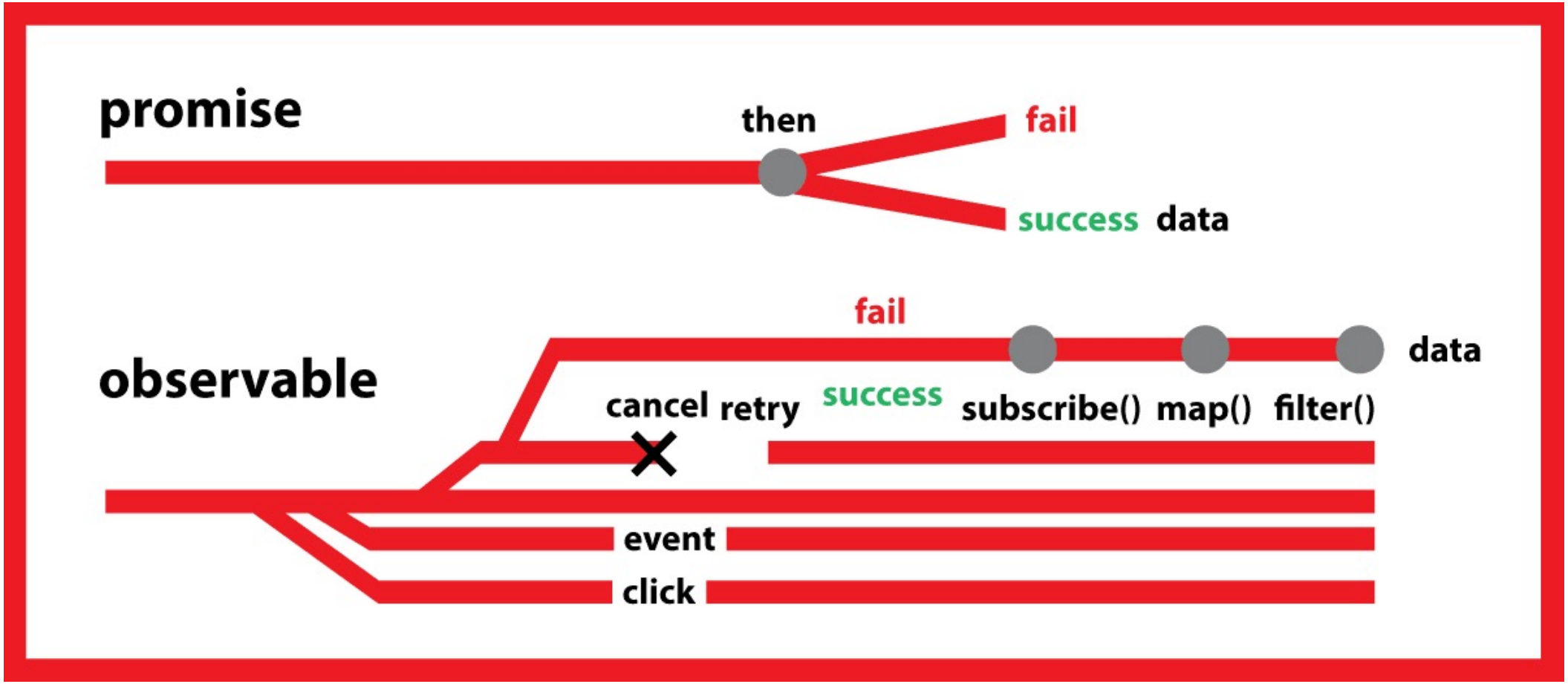
ANGULAR ARCHITECTS
INSIDE KNOWLEDGE

SOFTWARE ARCHITECT

Asynchronicity

Hosted by Alex Thalhammer

Observables vs Promises – Overview



Observables vs Promises – Details

Observables (Streams)	Promises (Single Event)
More features	Less powerful
Can emit zero, **one or multiple** values over time.	Emit a **single** value at a time.
Lazy: they're not executed until we subscribe using the subscribe() method.	**Eager**: execute immediately after creation.
Subscriptions are **cancellable** using the unsubscribe() method, which stops the listener from receiving further values.	Are **not cancellable**.
RxJS provides a **ton of functionality** to operate on observables like the map, forEach, filter, reduce, retry, and retryWhen operators.	Don't provide any operations.
Deliver errors to the subscribers.	Push errors to the child promises.
Used by Angular in Route Params and HTTP Client	