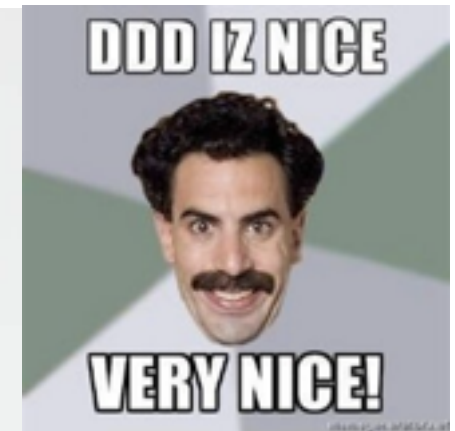
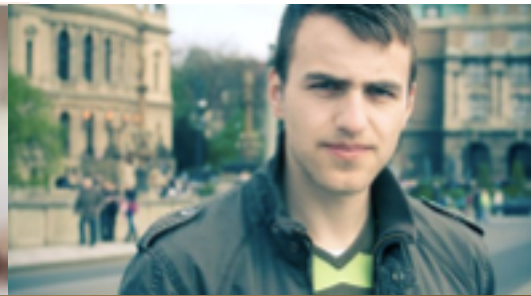


Event-Driven Design

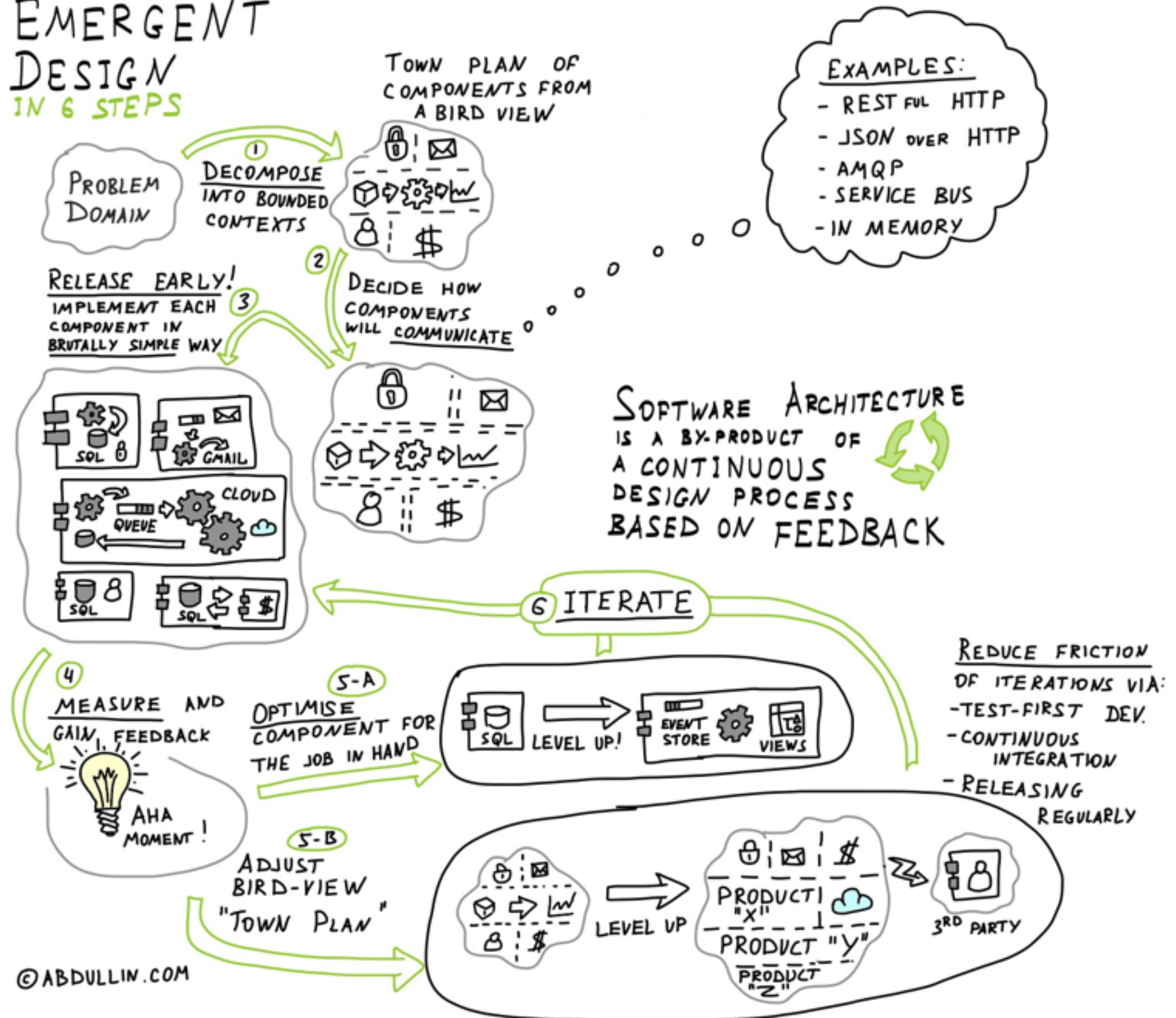
Rinat Abdullin | abdullin.com | @abdullin

Plan

- Software Design
- Event Storming
- Practical Event-Driven Design
- CQRS Beers



EMERGENT DESIGN IN 6 STEPS



“Software development is a learning process.

Working code is a side-effect.”

–EU DDD Community

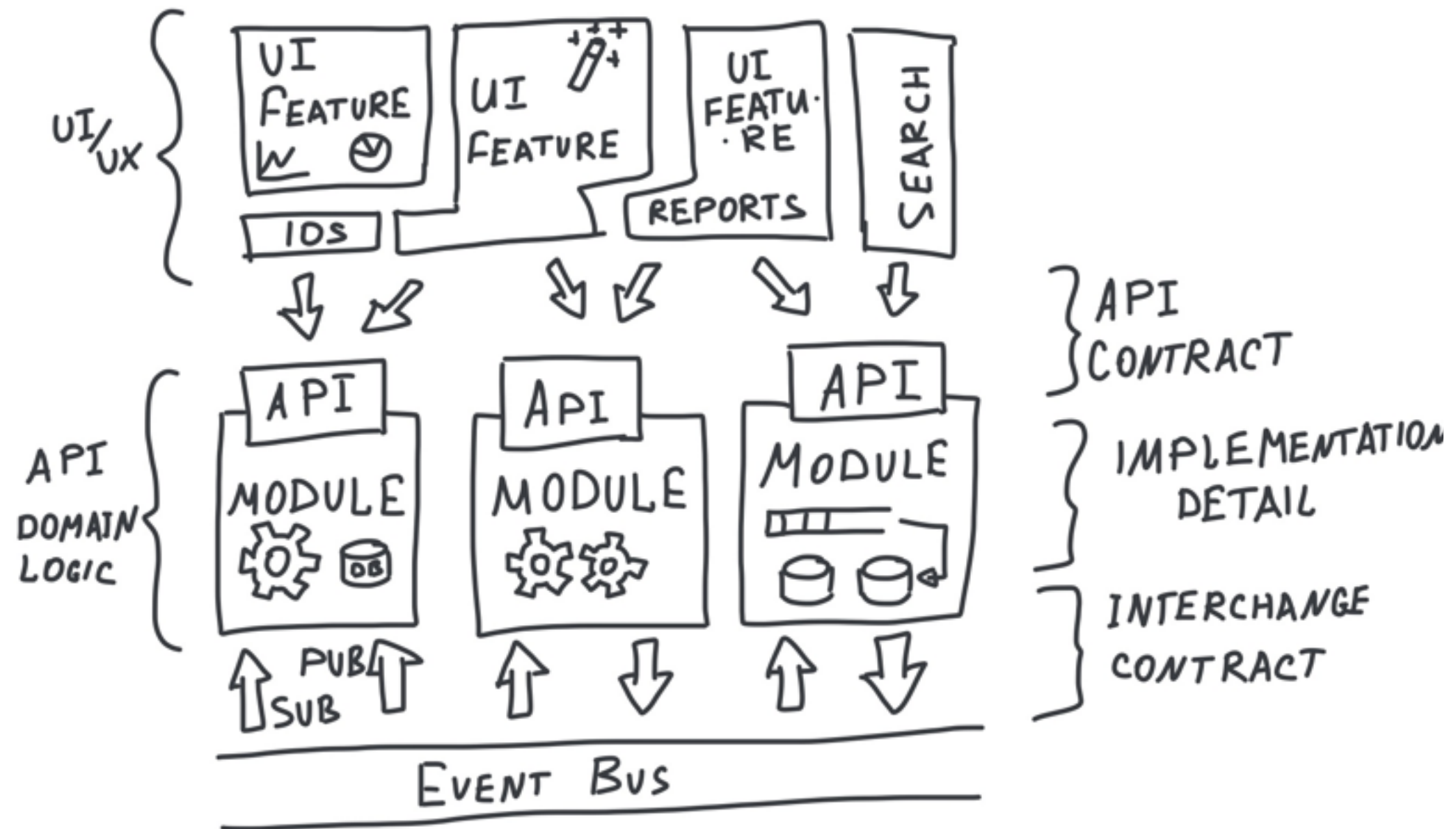


Context Map

Map is not the territory



Divide and Conquer



Contracts at Boundary

Events, API, ACL

MANY FACES OF DOMAIN EVENT

REAL-WORLD ♥

MARRIED TO DR. WATSON → FAMILY WAS ATTENDING

□
OFFICIALLY
REGISTERED
MARRIAGE

□
HONEY
MOON DELAYED

□
SHERLOCK
WAS LATE

□
NOBODY WAS
KILLED

↑ REPRESENTS

```
{ "TYPE": "USER-RENAMED--V2",  
  "EVENTID": "1371C6B236DDC7...",  
  "OLDNAME": "MARY MORSTEN",  
  "NEWNAME": "MARY WATSON",  
  "RECORDED": "1889-06-14 15:22",  
  "REASON": "MARRIAGE" }
```

INSTANCE : 1371C6... OF

← ABSTRACTS

MODEL 🏠

USER RENAMED

MARY MORSTEN
CHANGED NAME TO
MARY WATSON.
RECORDED IN 1889
REASON: MARRIAGE

↑ IMPLEMENTS

TYPE USERRENAMED

EVENTID: ID

OLDNAME: FULLNAME

NEWNAME: FULLNAME

RECORDEDUTC: TIME

REASON: RENAME REASON

CONTRACT

Questions?

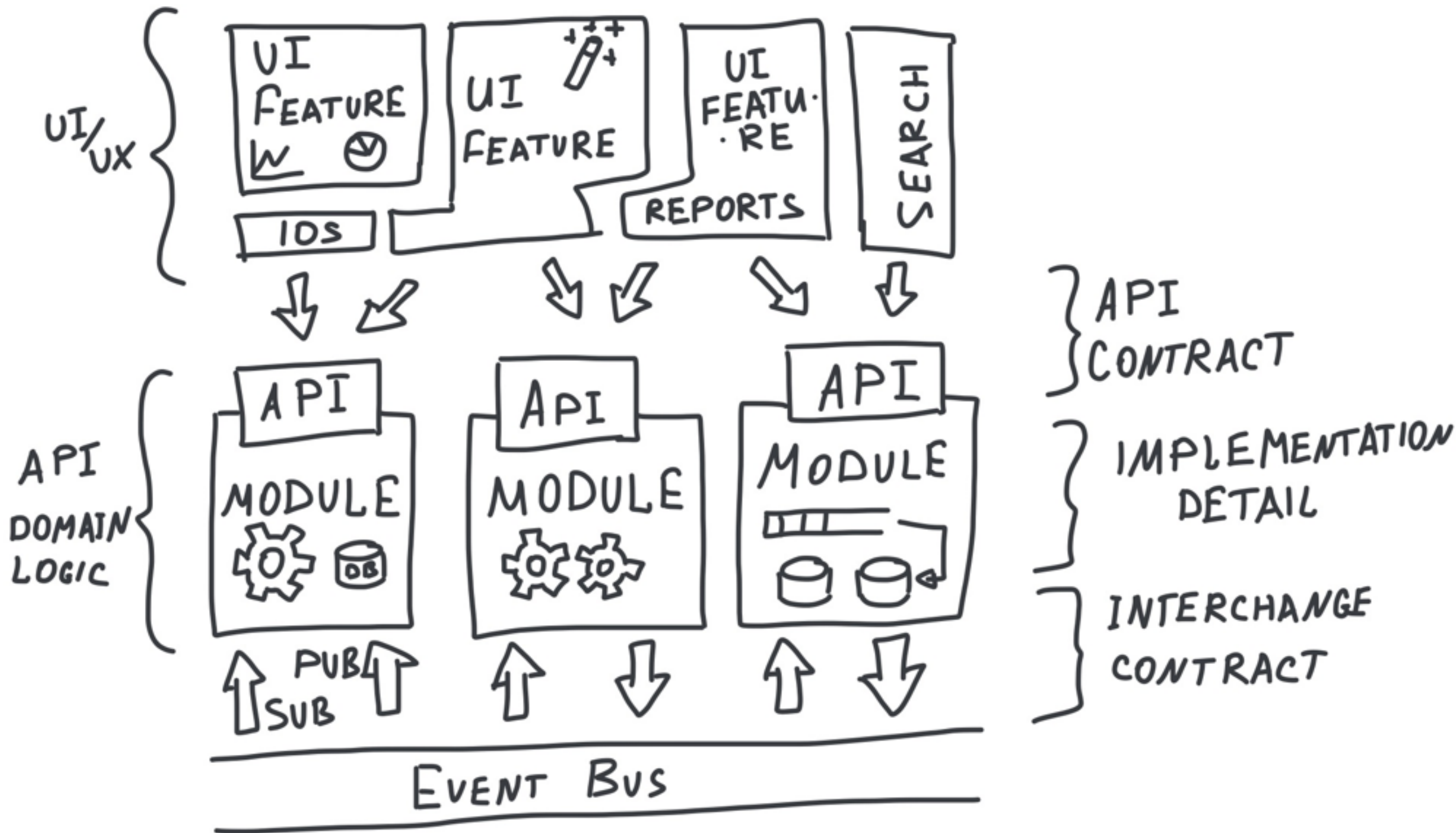
Event-Storming

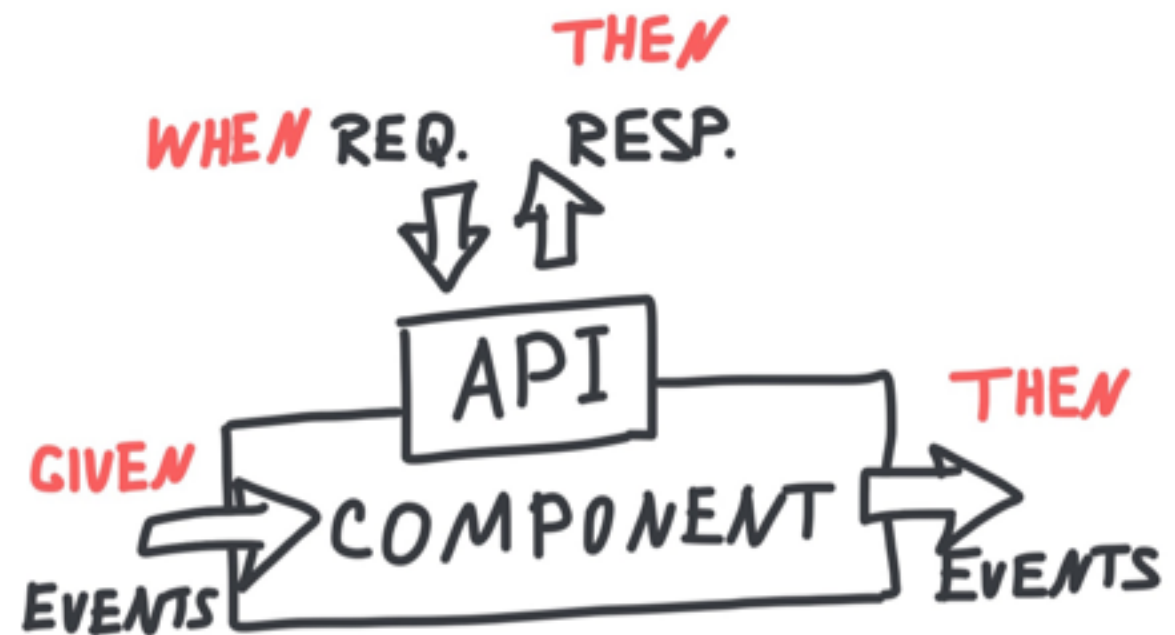
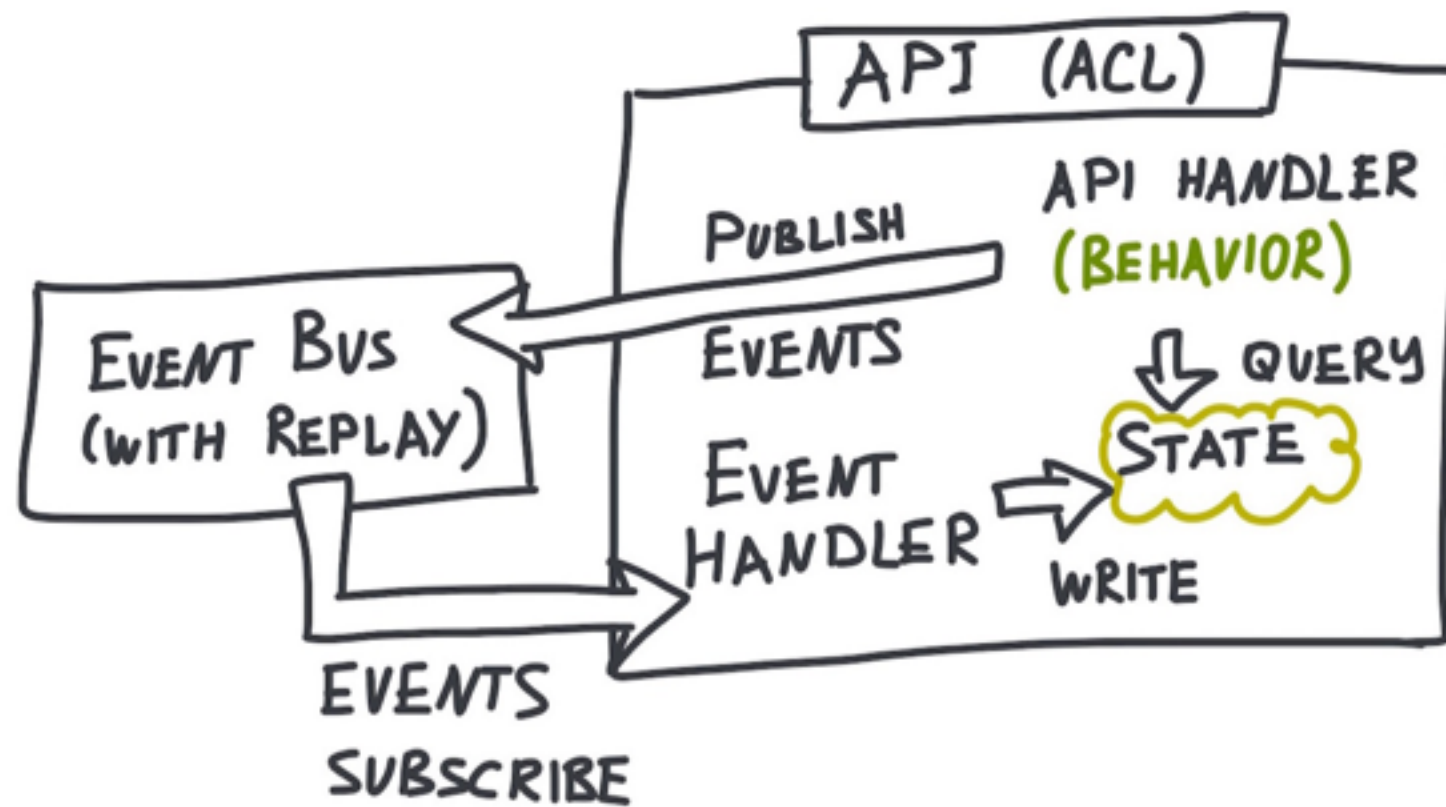
Let's explore our boundaries



Back to the code

Practical Applications





Check out the code

MANY PATHS OF AN EMERGENT DESIGN. APPLY TO EACH COMPONENT SEPARATELY.

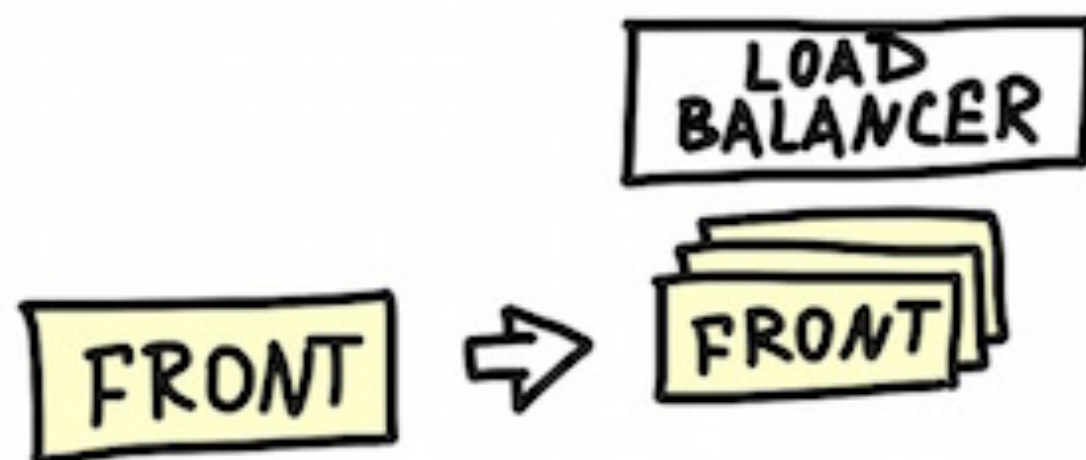


AN EXAMPLE OF EVOLUTION PATHS FOR A COMPONENT. EACH PROJECT WILL HAVE A DIFFERENT VERSION.

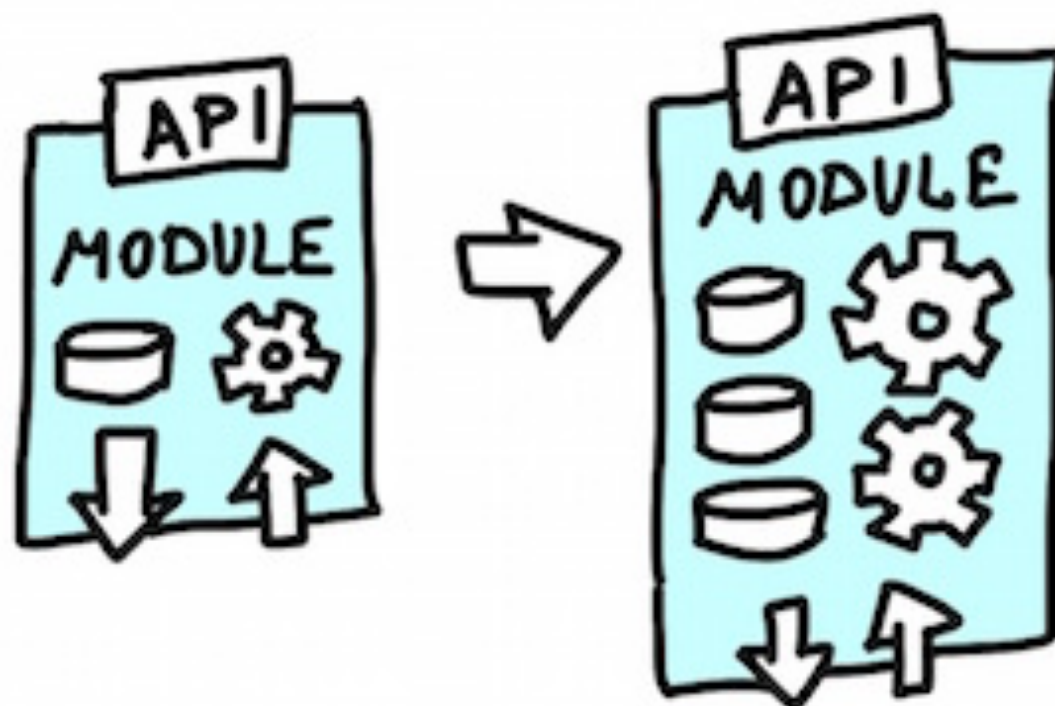
ABDULLIN.COM
@ABDULLIN

SCALING

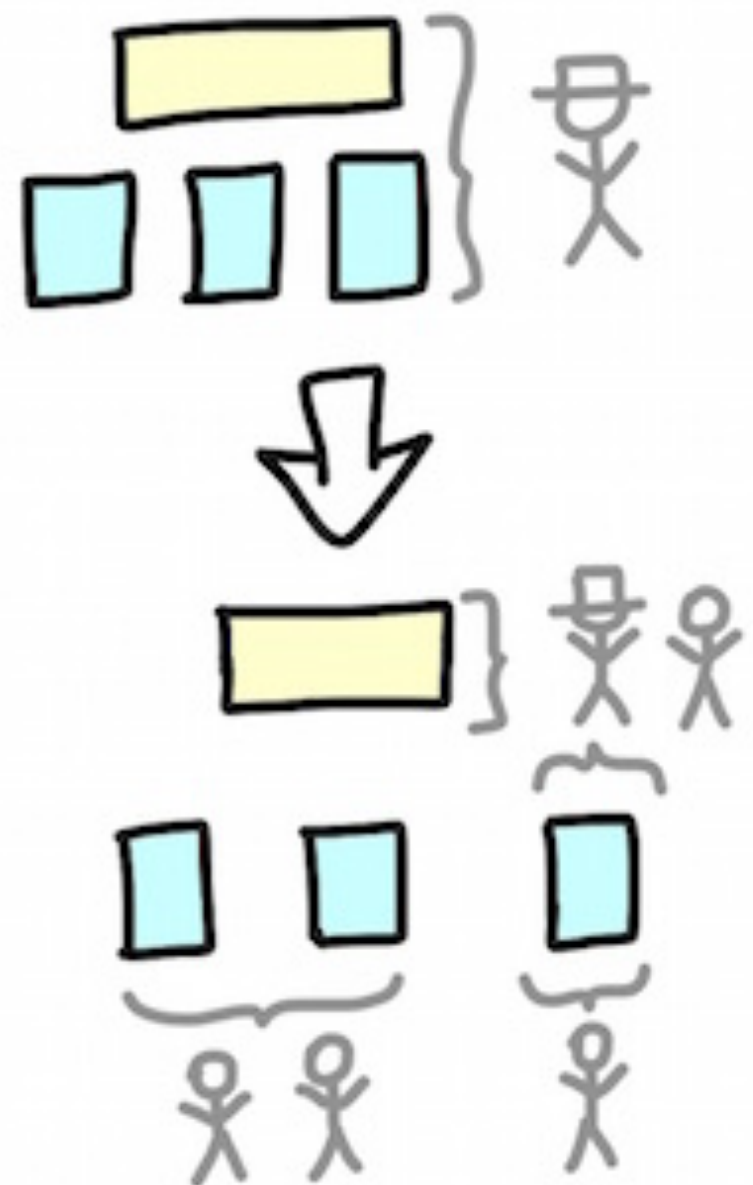
SCALE FRONT-END

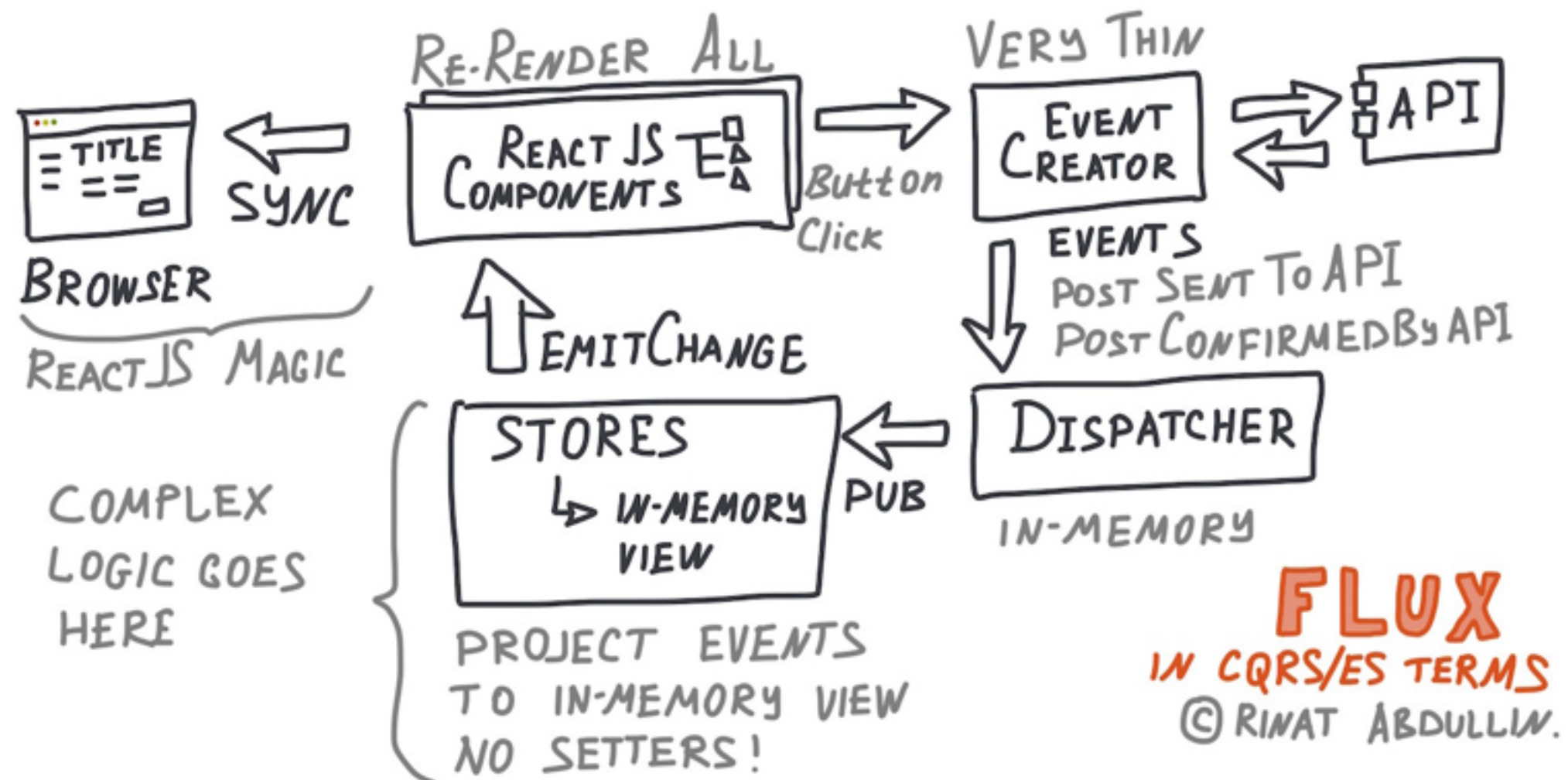


SCALE BACK-END



SCALE DEVELOPMENT





Flux/ReactJS

One of many options for UI/UX Design

Questions?

Time for CQRS Beers!