

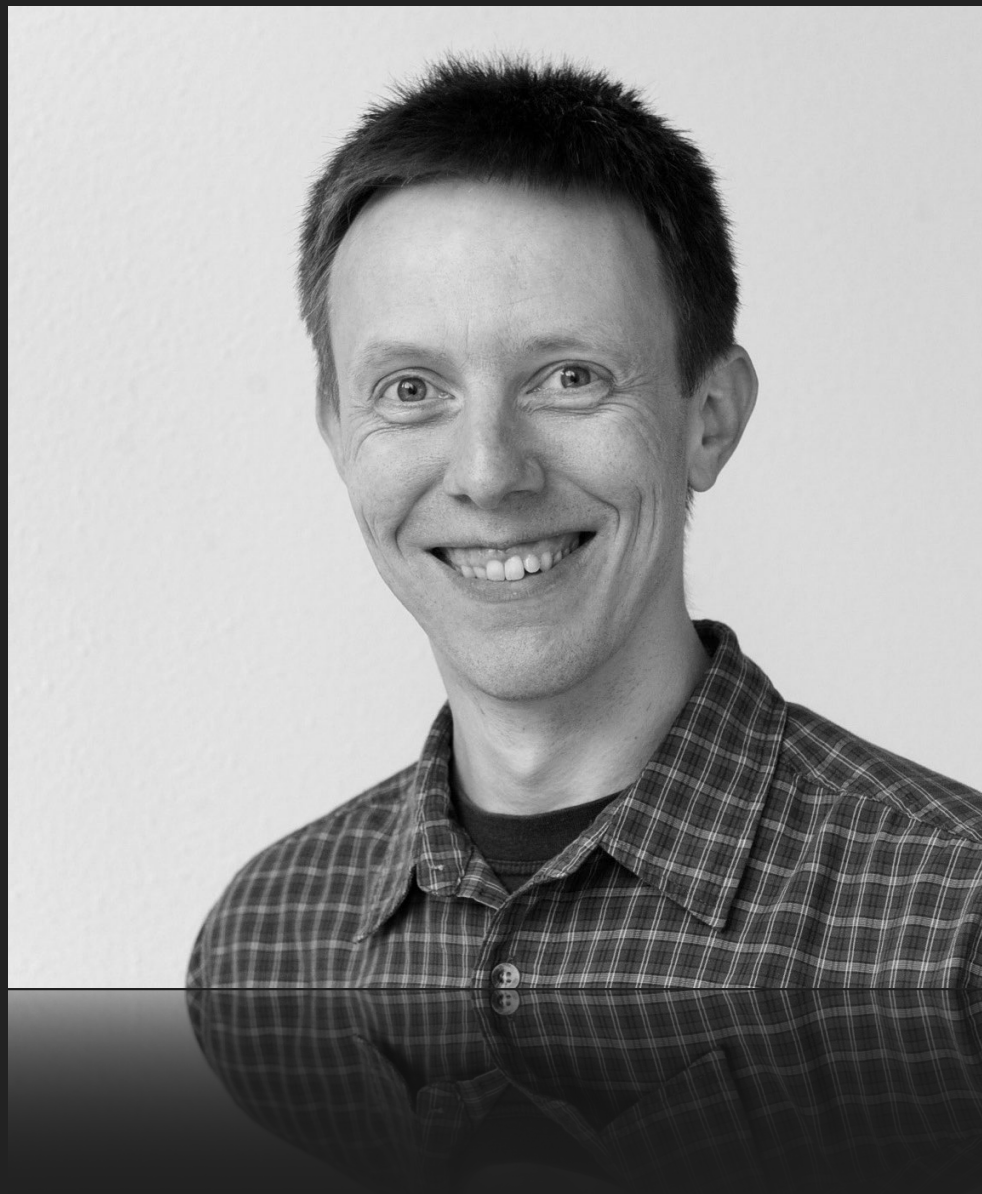
FROM SWIFT TO JS AND BACK AGAIN

UNIDIRECTIONAL DATA FLOW

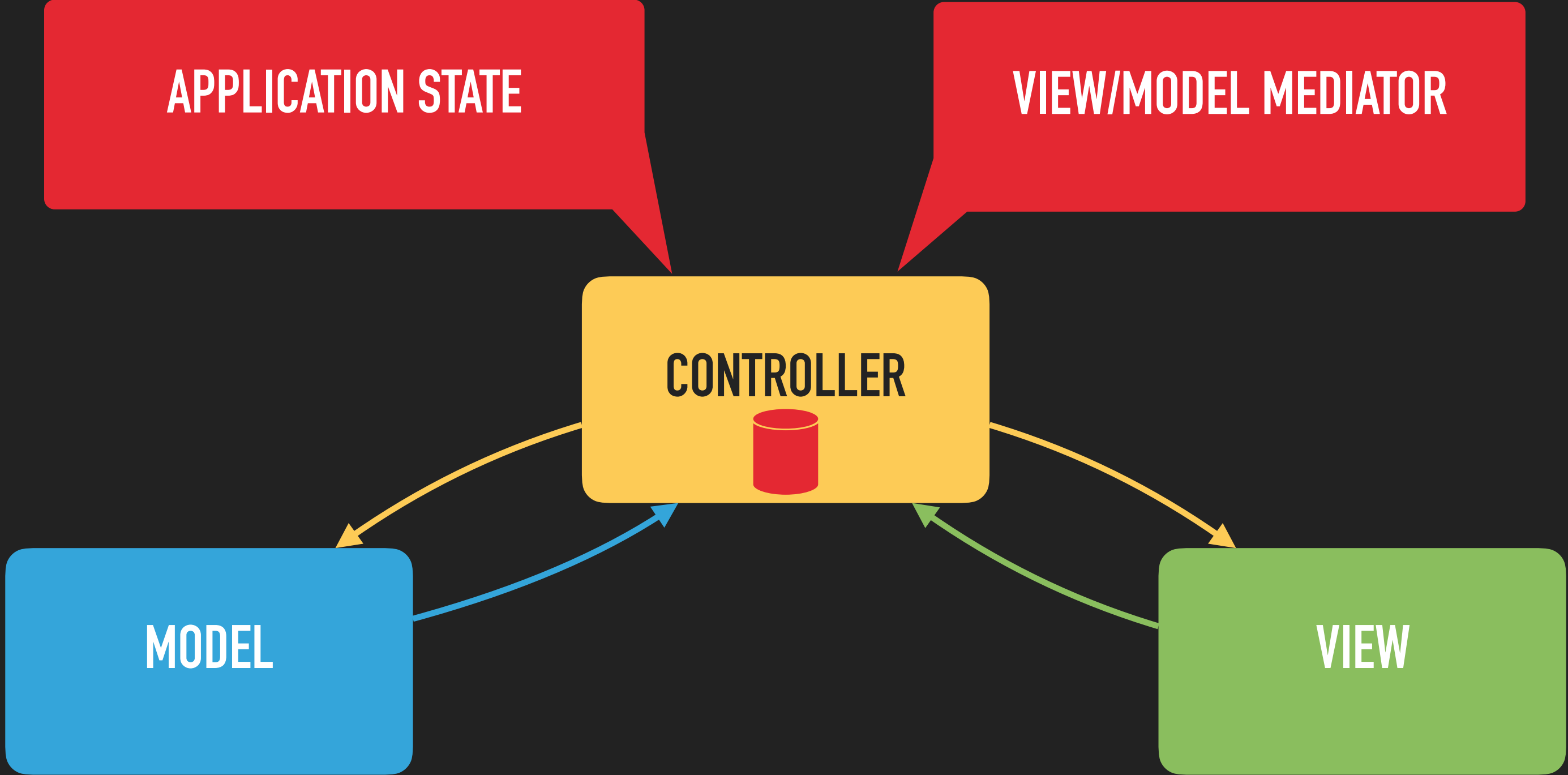


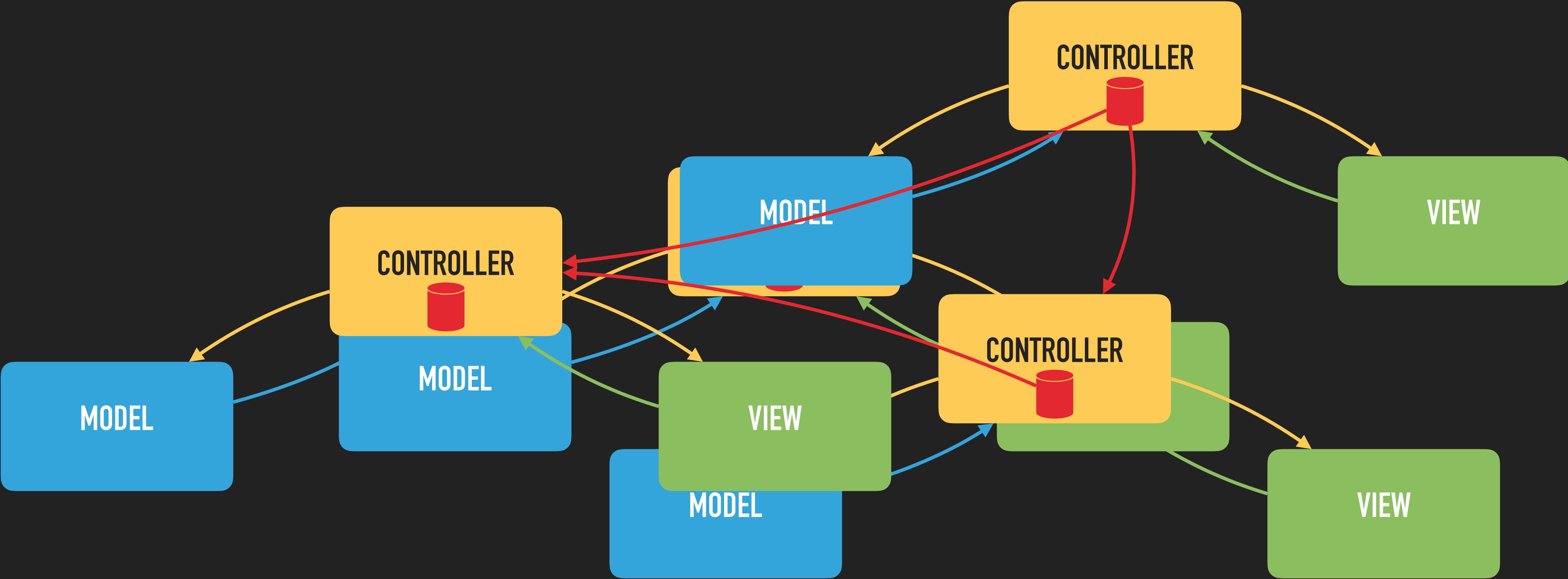
QUESTIONS?

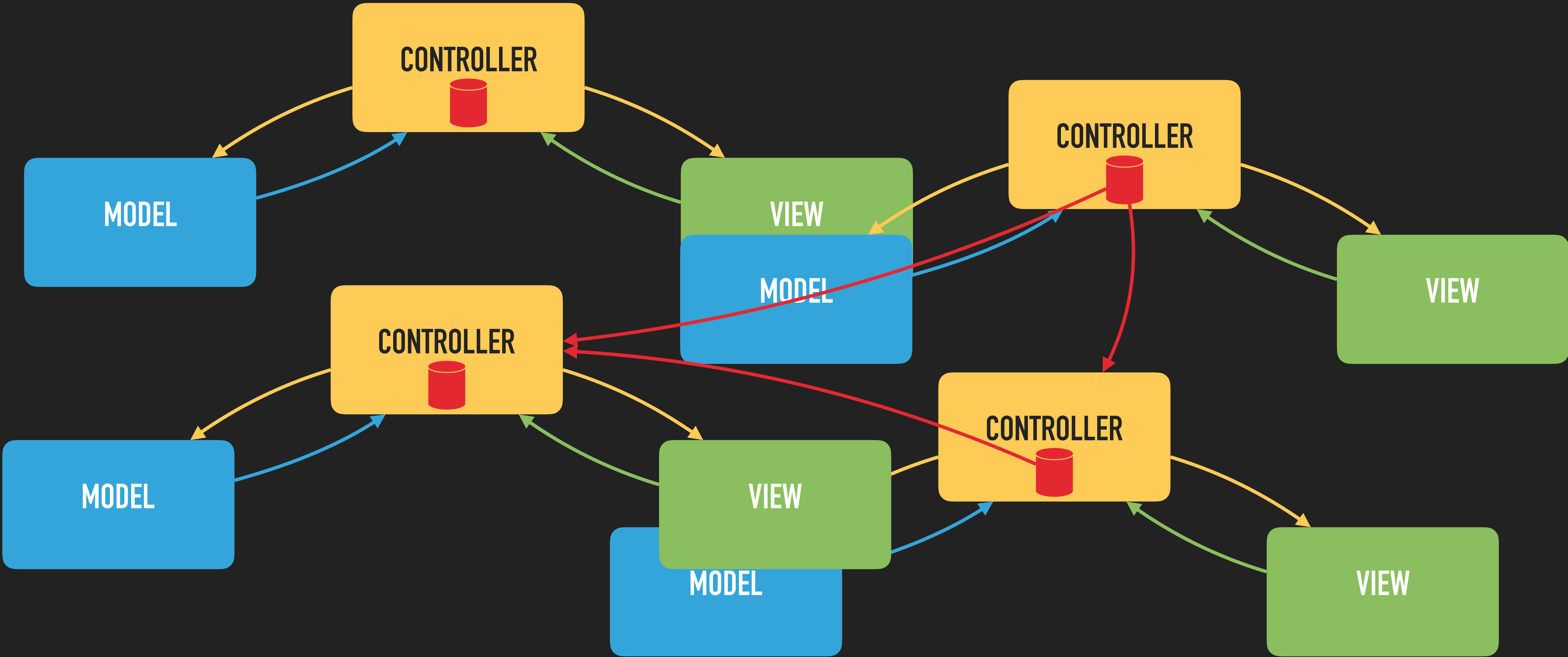
STEFAN VAN DEN OORD

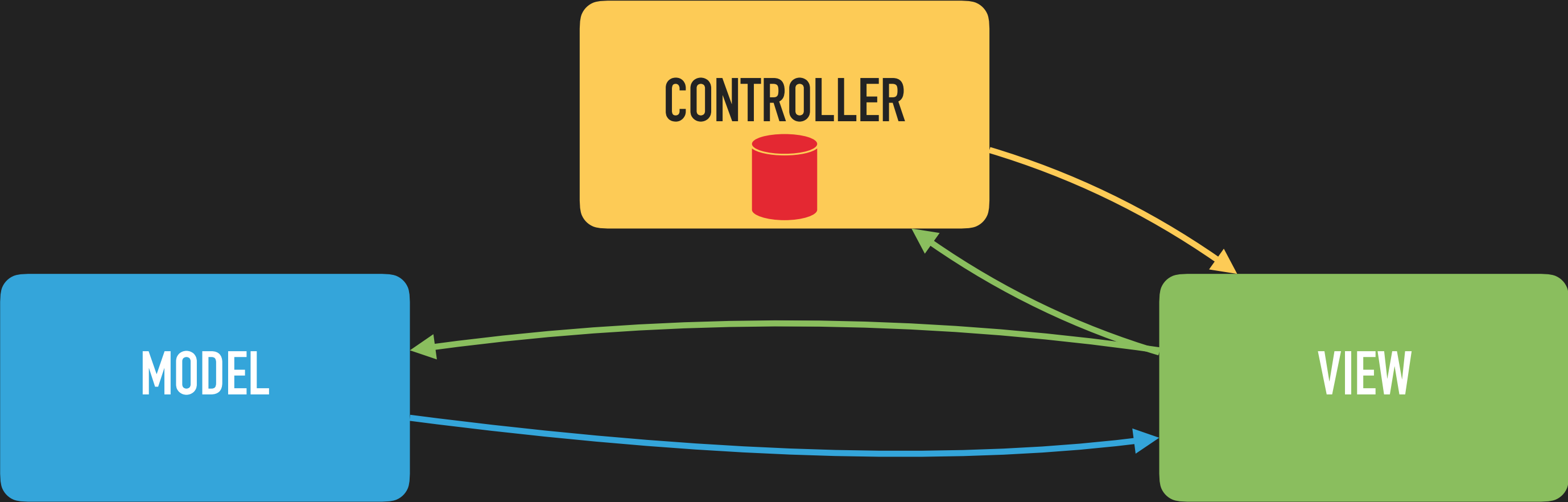


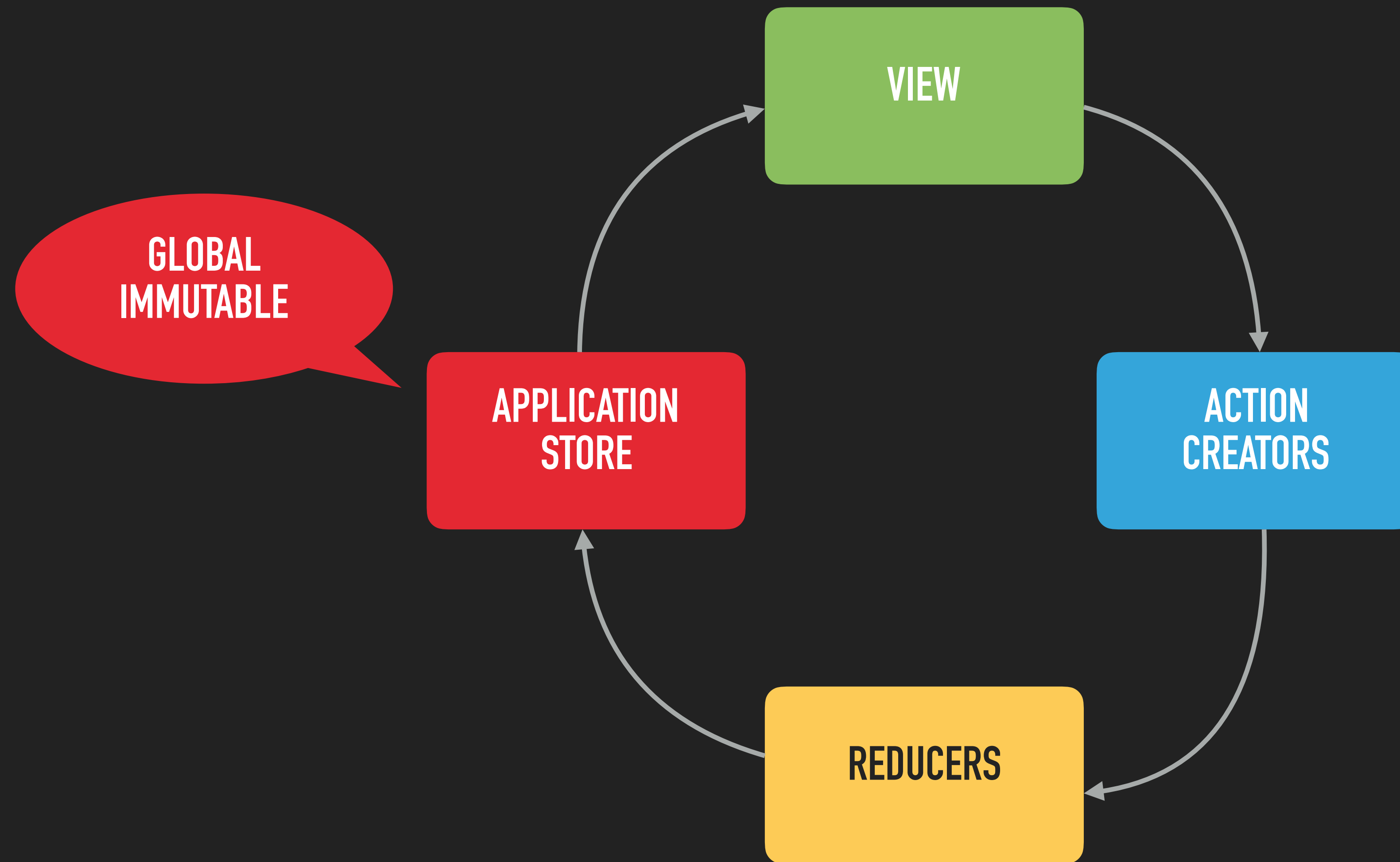
craftsmanship
Research
craftsmanship
Philips
native xp xpblockchain
nativeiOS react xp agile
iOS Swift
privacy
reduxObjective-C
blockchain
iOS craftsmanship

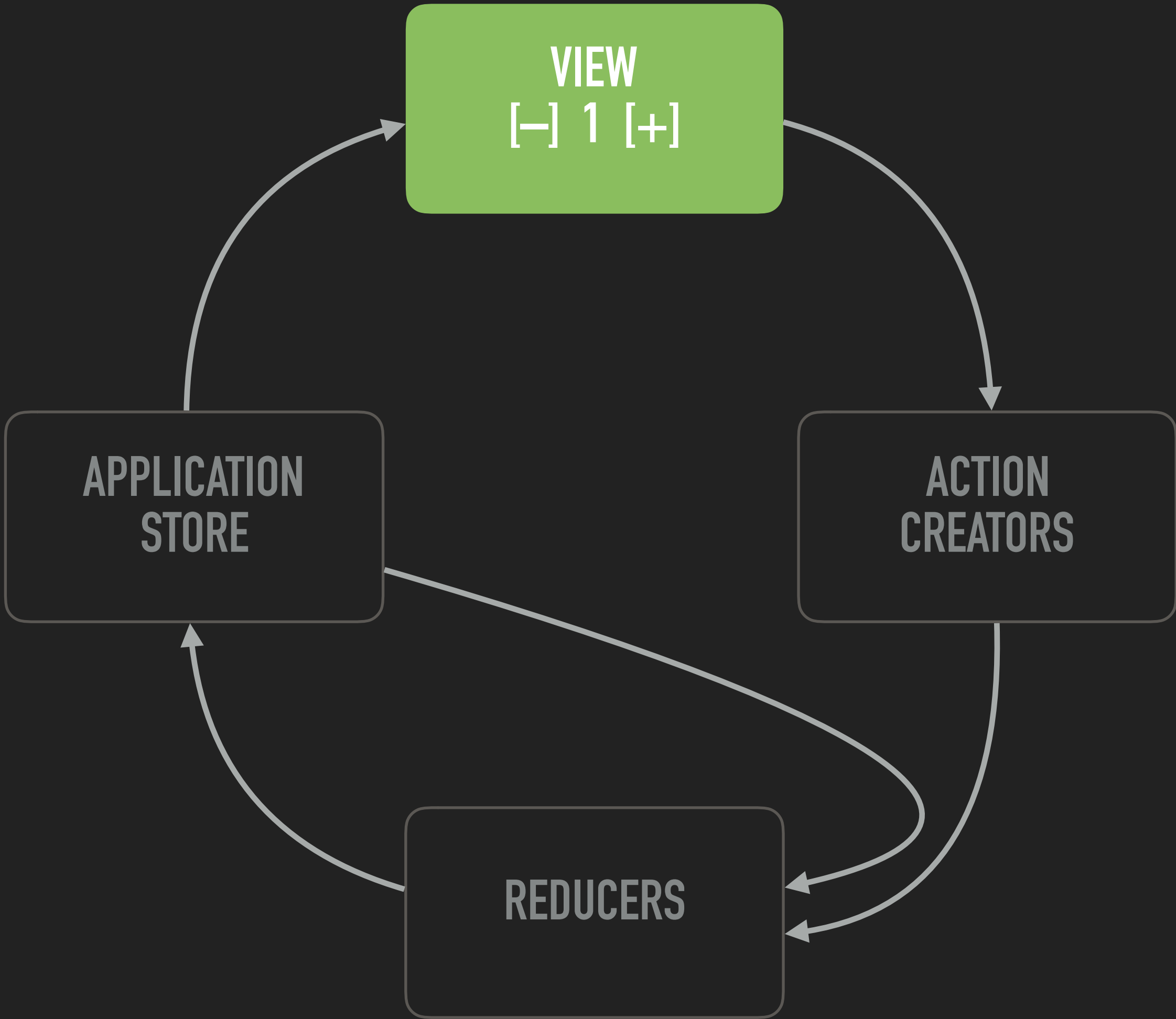


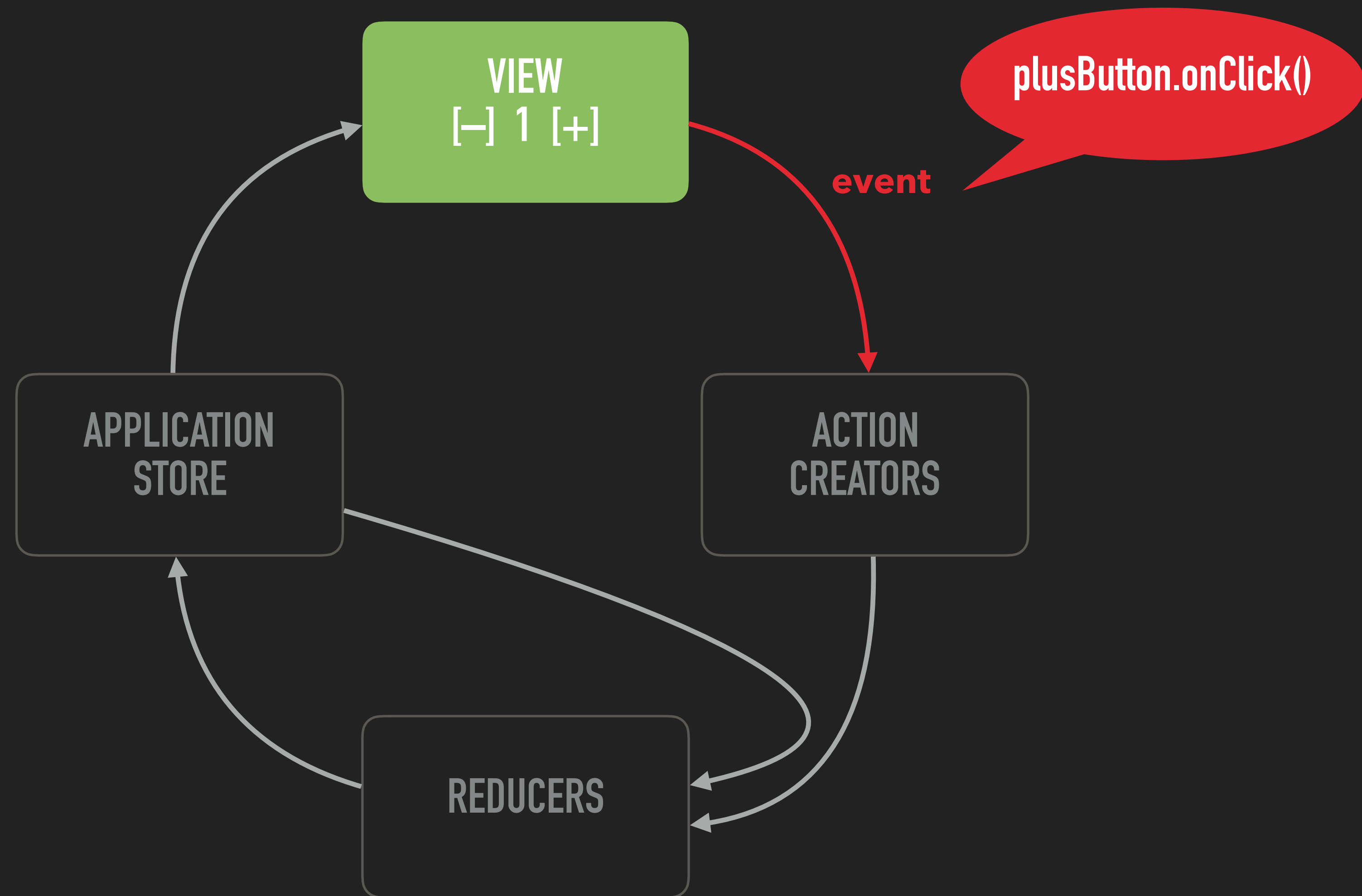


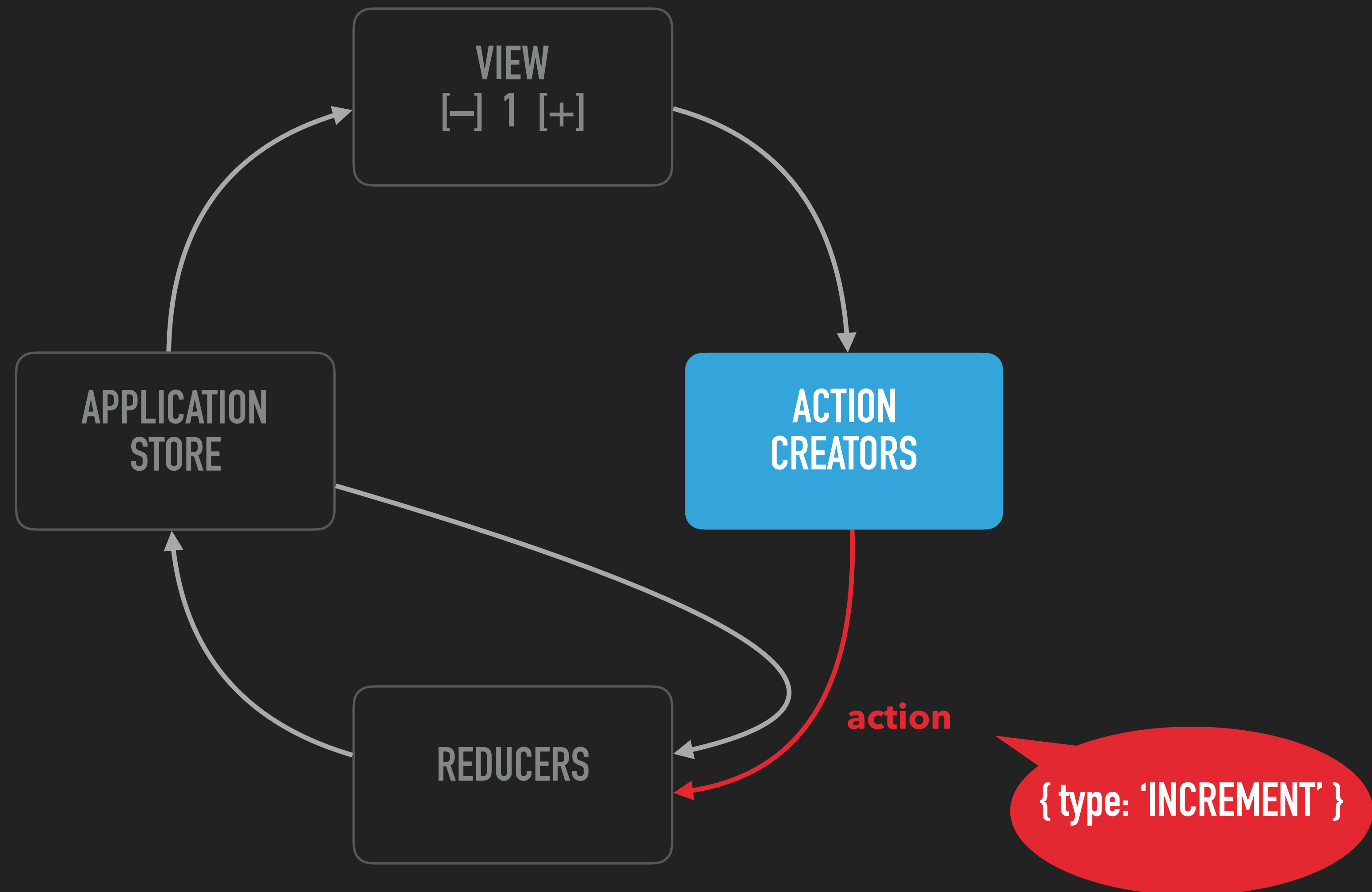


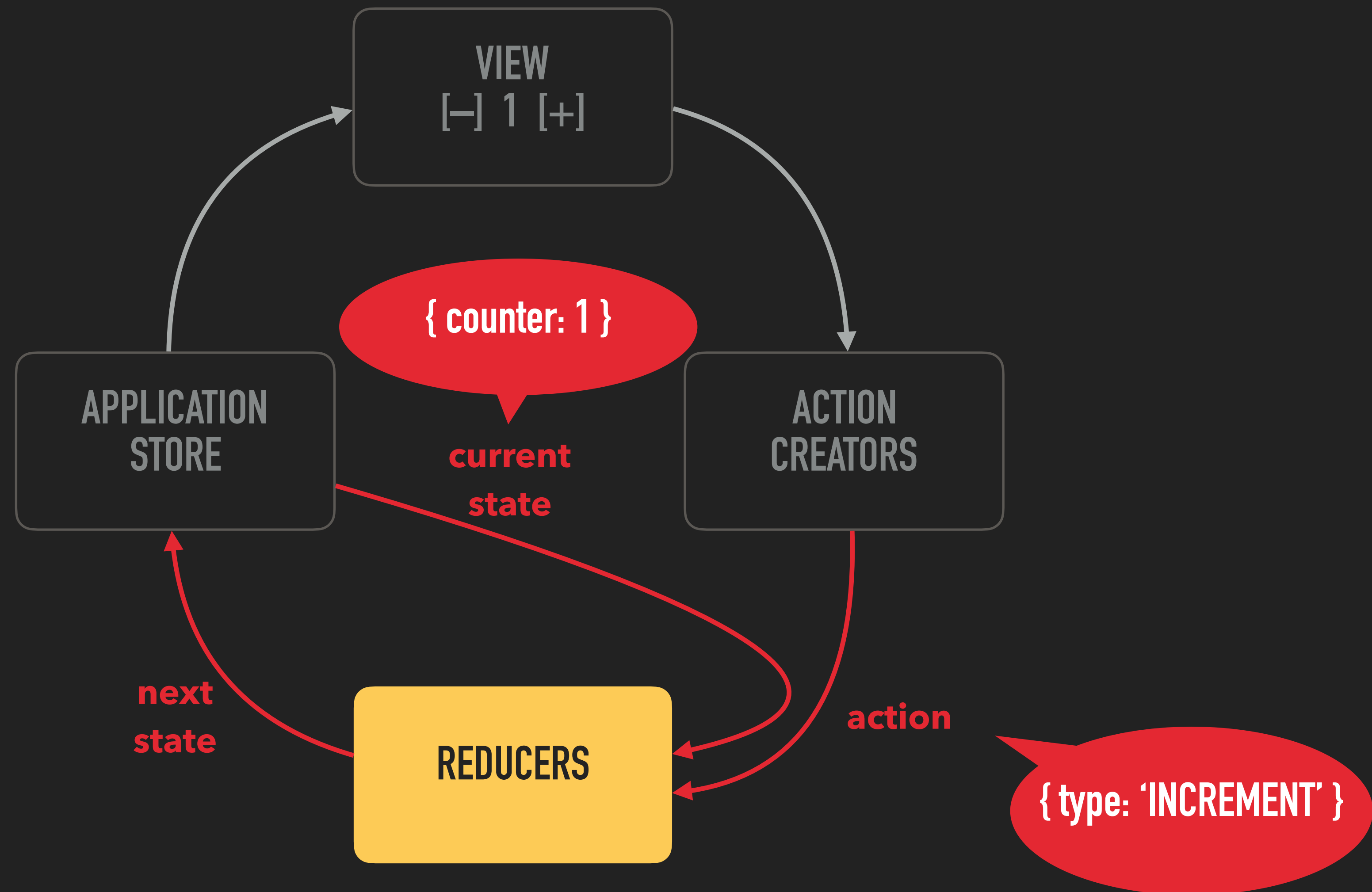


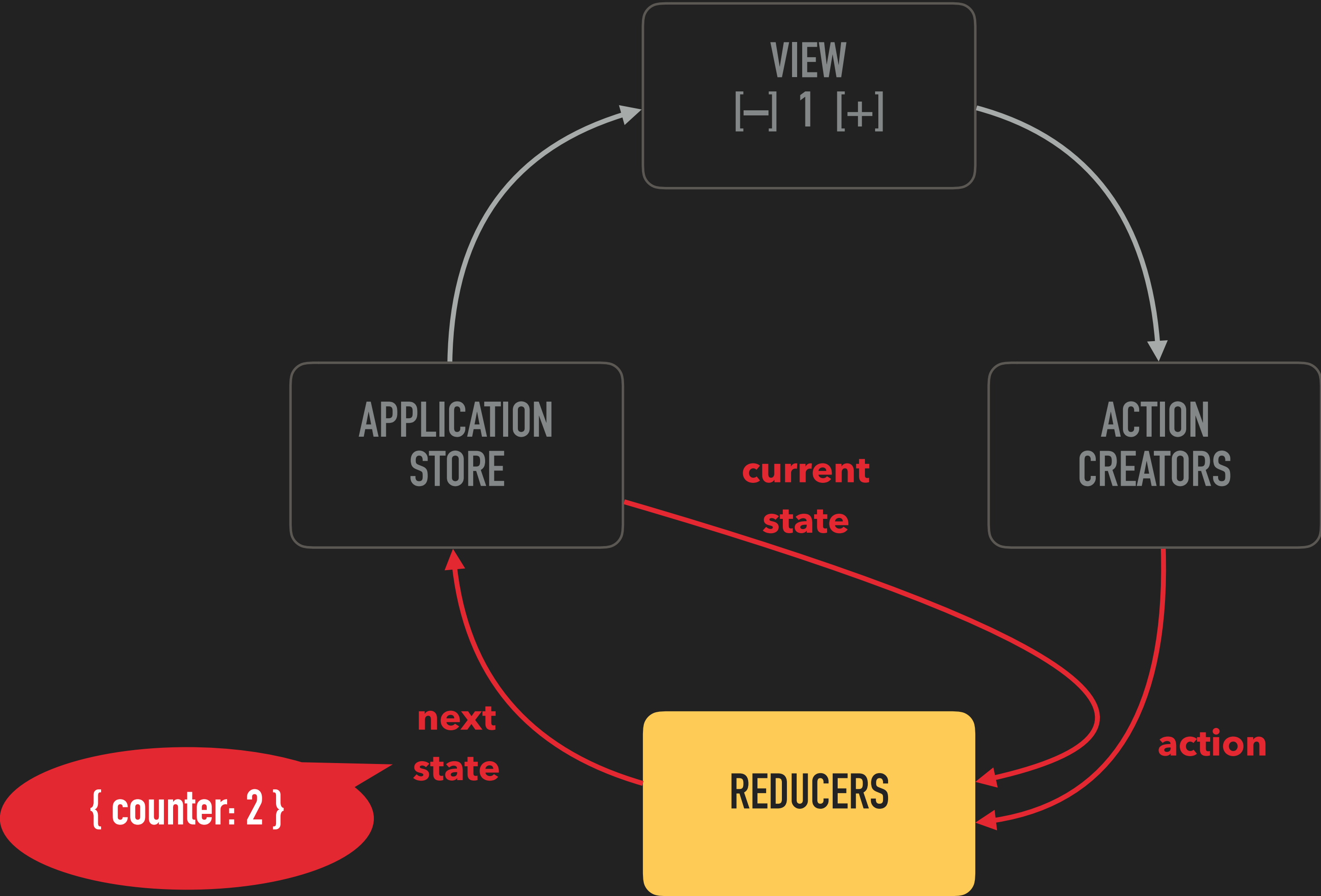


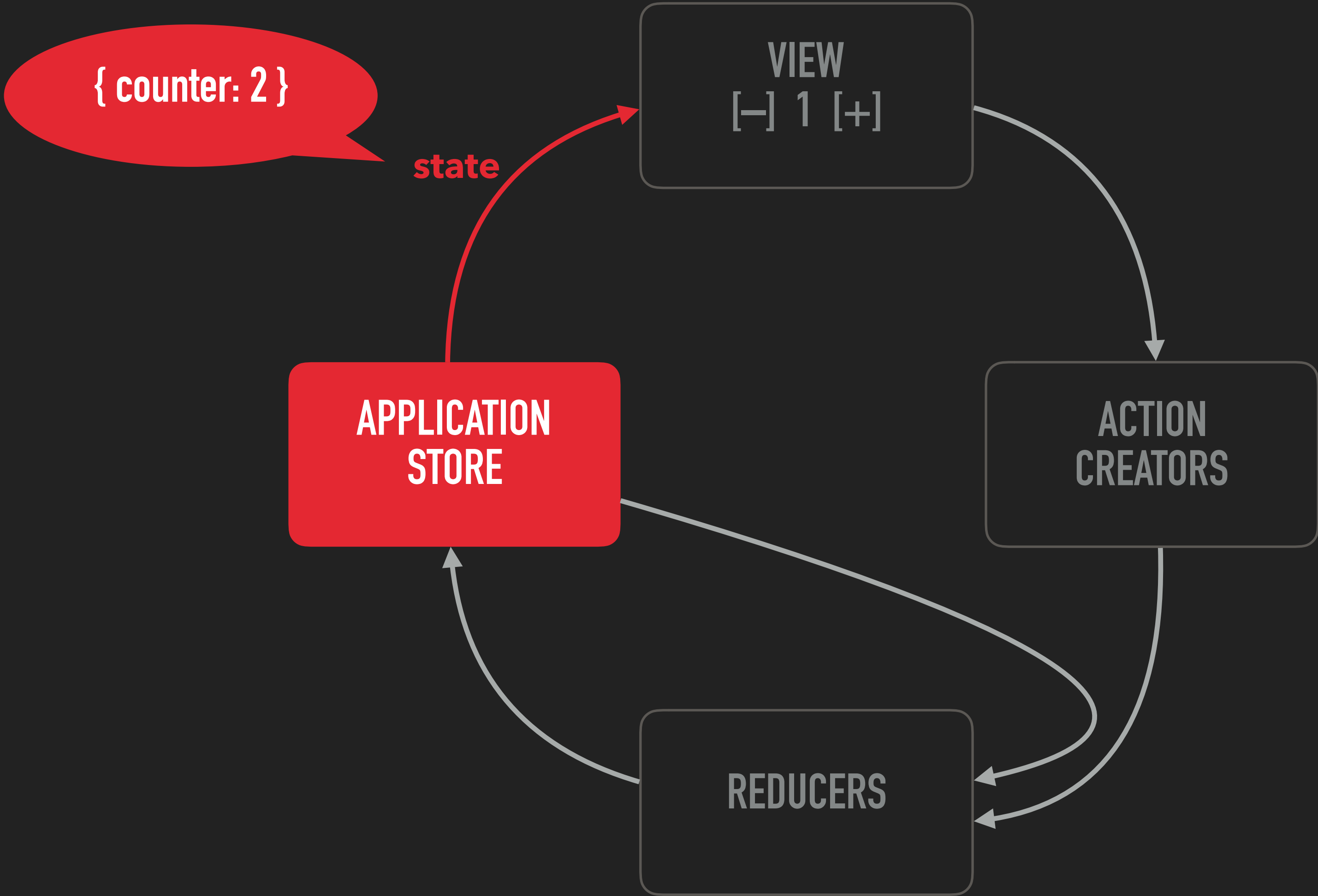


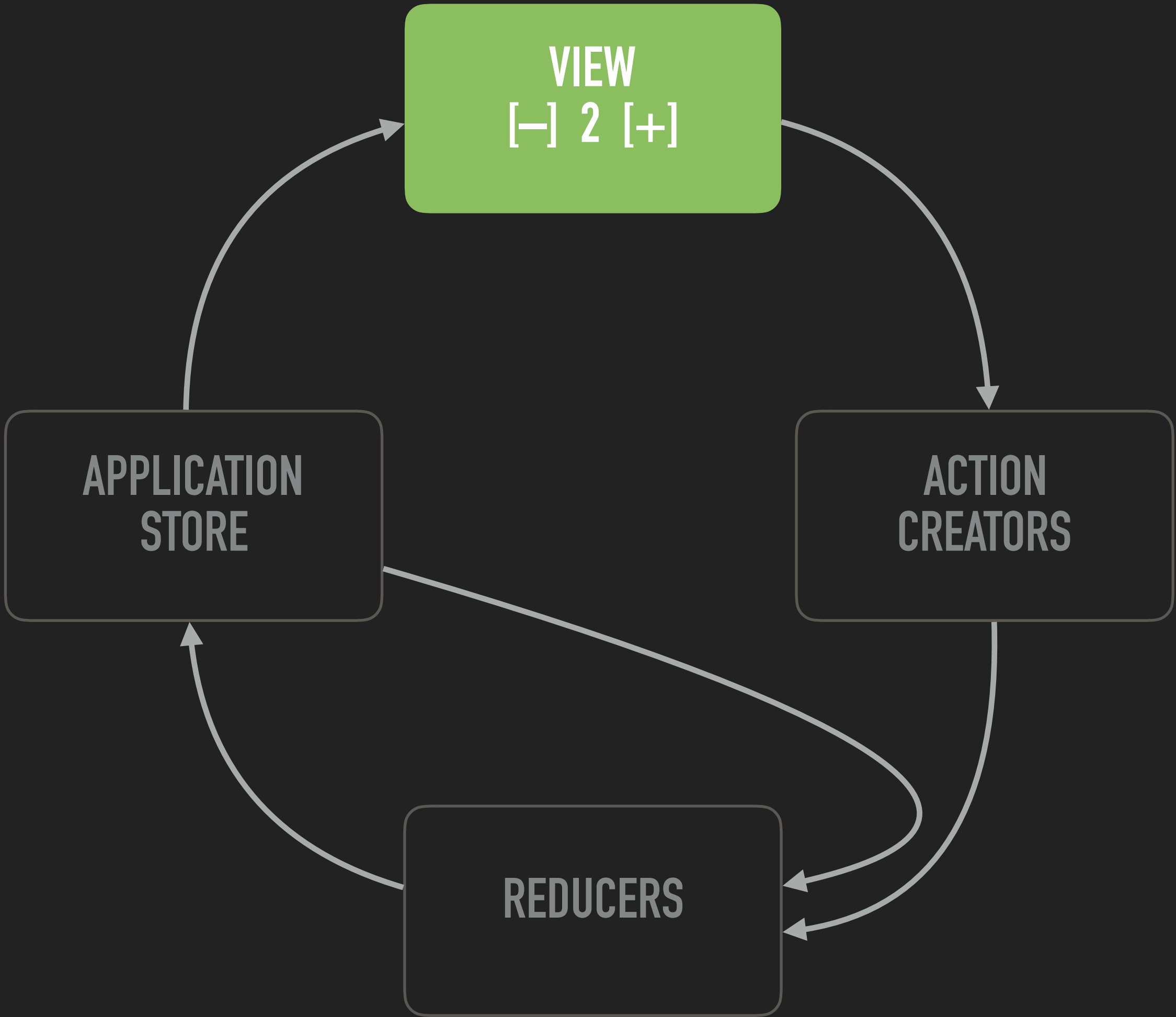


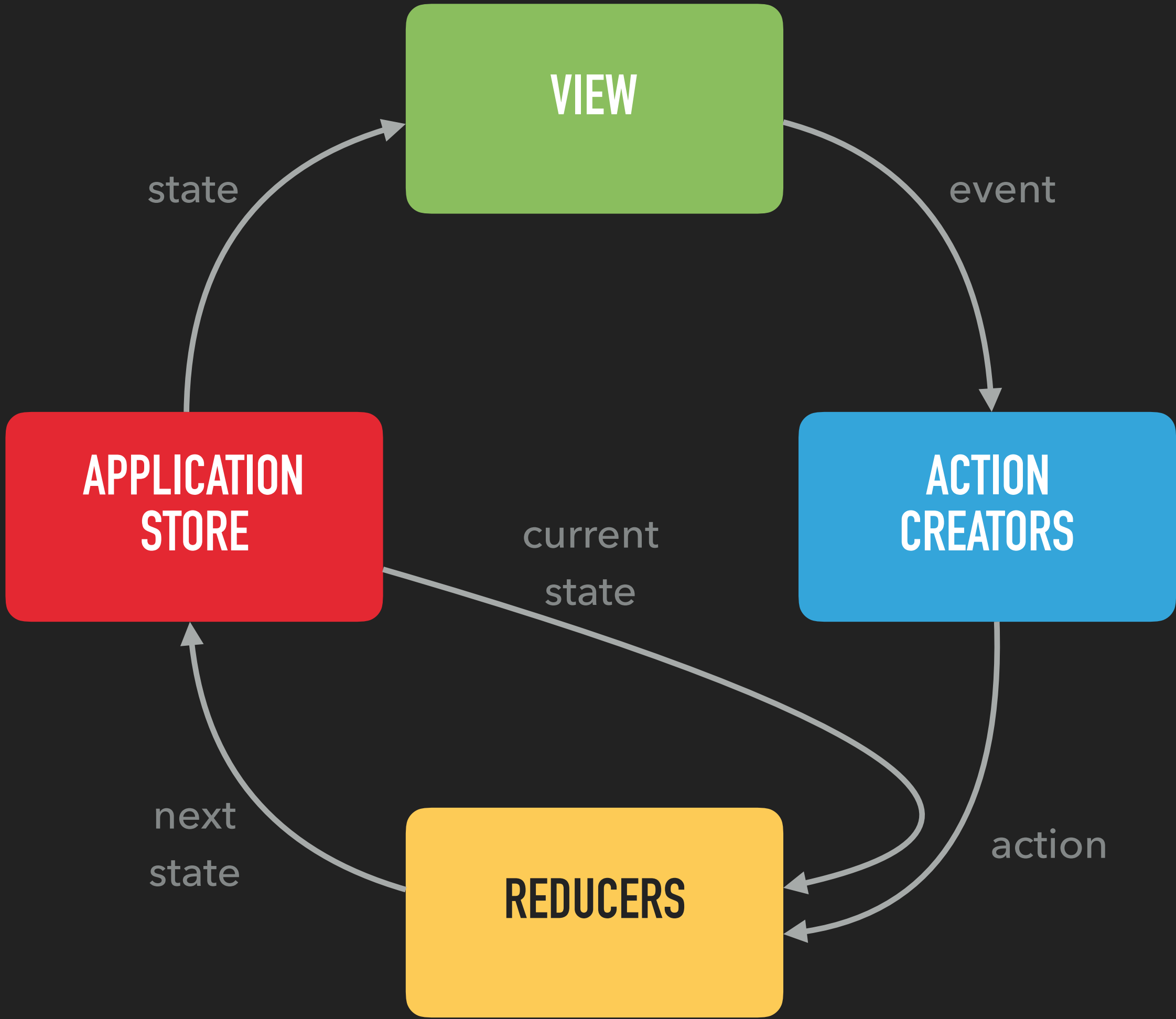












JAVASCRIPT

- ▶ View: React
- ▶ Flow: Redux
- ▶ Bindings: React-Redux

SWIFT

- ▶ View: RxSwift
- ▶ Flow: ReSwift
- ▶ Bindings: ???

JAVASCRIPT

- ▶ View: React
- ▶ Flow: Redux
- ▶ Bindings: React-Redux

SWIFT

- ▶ View: RxSwift
- ▶ Flow: ReSwift
- ▶ Bindings:

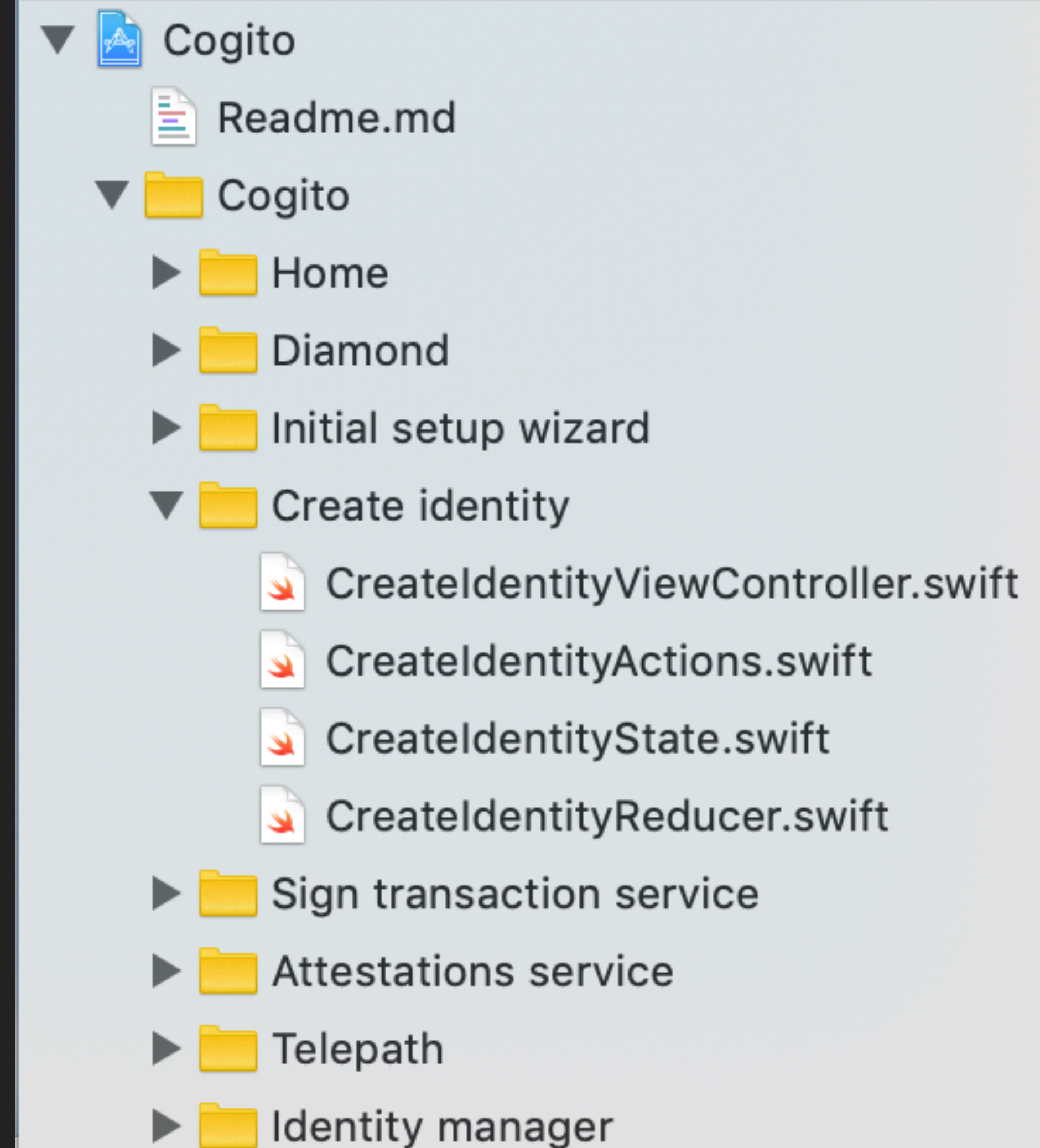
RERXSWIFT

DEMO

<https://github.com/svdo/UnidirectionalFlowTalk>

BENEFITS

- ▶ Local reasoning
- ▶ All state always consistent
- ▶ Very thin view layer, everything unit testable
- ▶ Undo / Redo, snapshotting, replay
- ▶ Feature-based project structure



TIPS

- ▶ Actions: **public**
 - ▶ other components can trigger them
- ▶ Reducers and substate: **private**
 - ▶ don't depend on implementation details of other components
- ▶ Actions should be short lived (async is OK)

ATTRIBUTION

- ▶ what's wrong: <https://freesound.org/people/11linda/sounds/253457/>
- ▶ horn_fail_wahwah_3.wav: <https://freesound.org/people/TaranP/sounds/362204/>
- ▶ Fail Jingle (stereo mix): <https://freesound.org/people/unfa/sounds/181351/>



github/svdo/ReRxSwift