

FROM SWIFT TO JS AND BACK AGAIN

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**UNIDIRECTIONAL DATA FLOW**

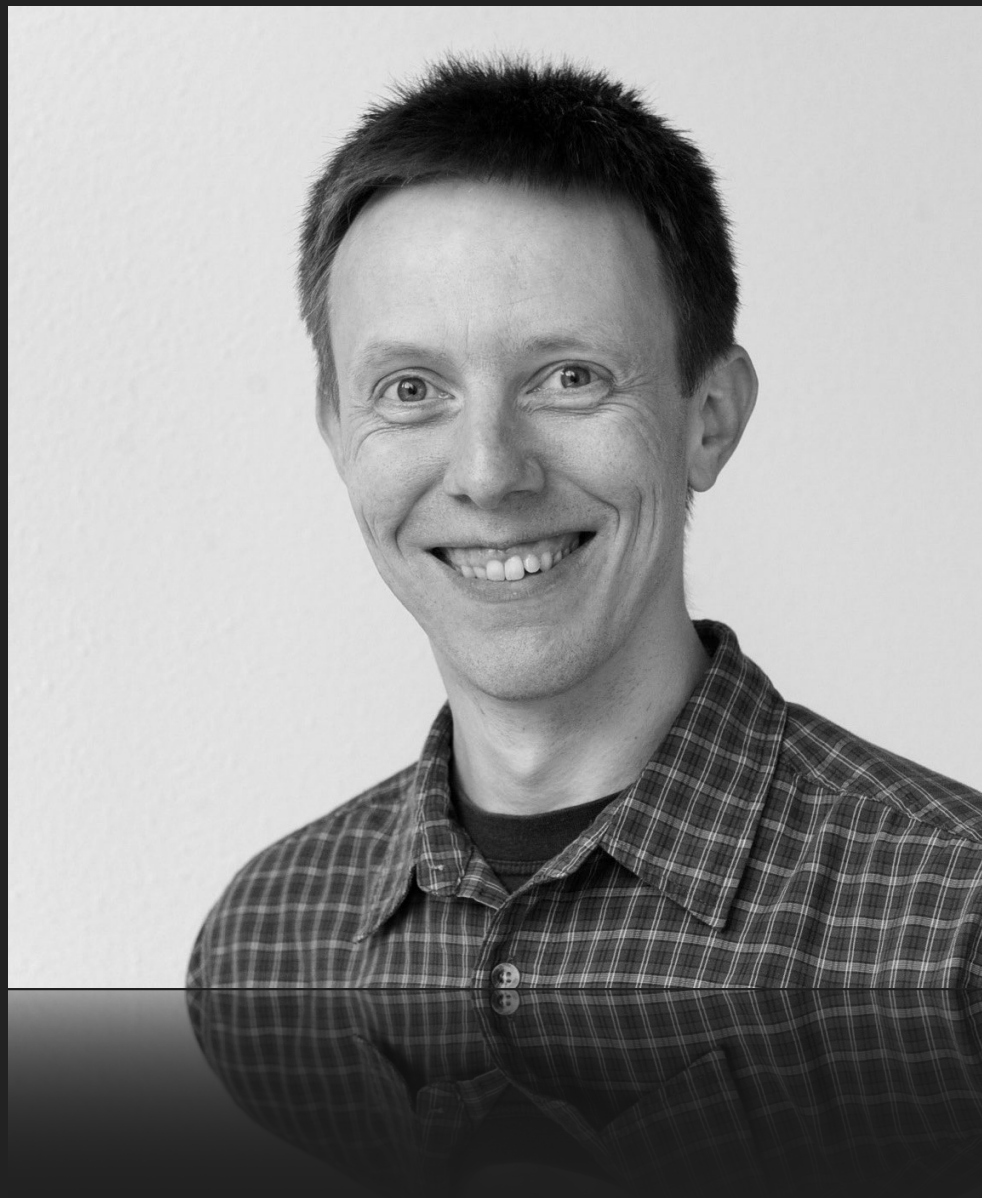




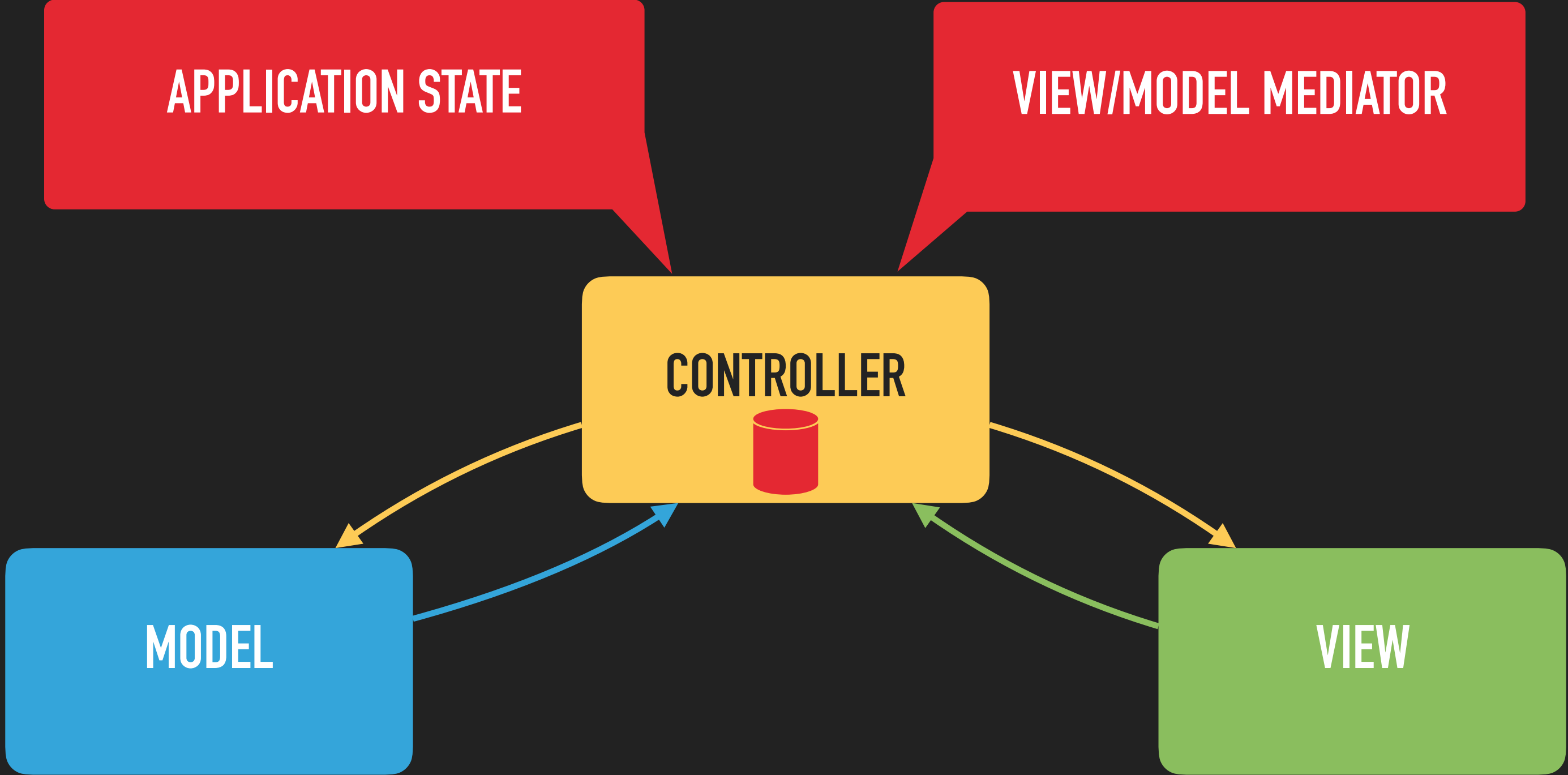
QUESTIONS?

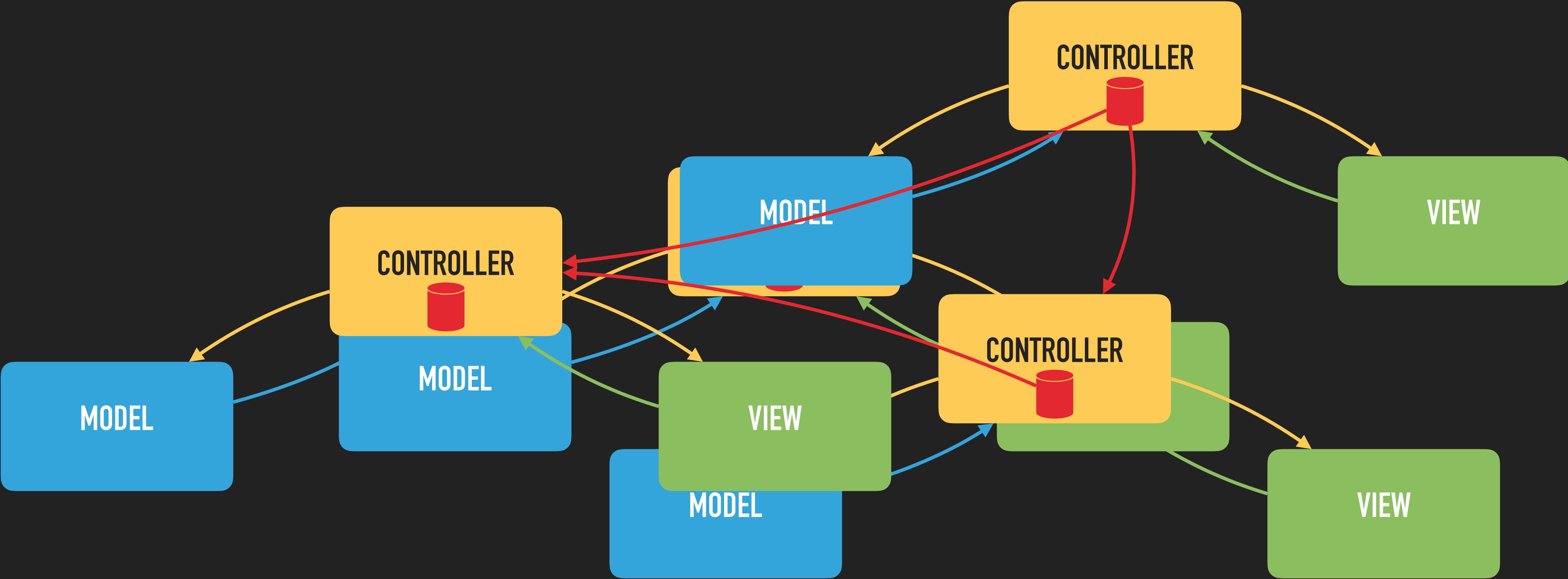


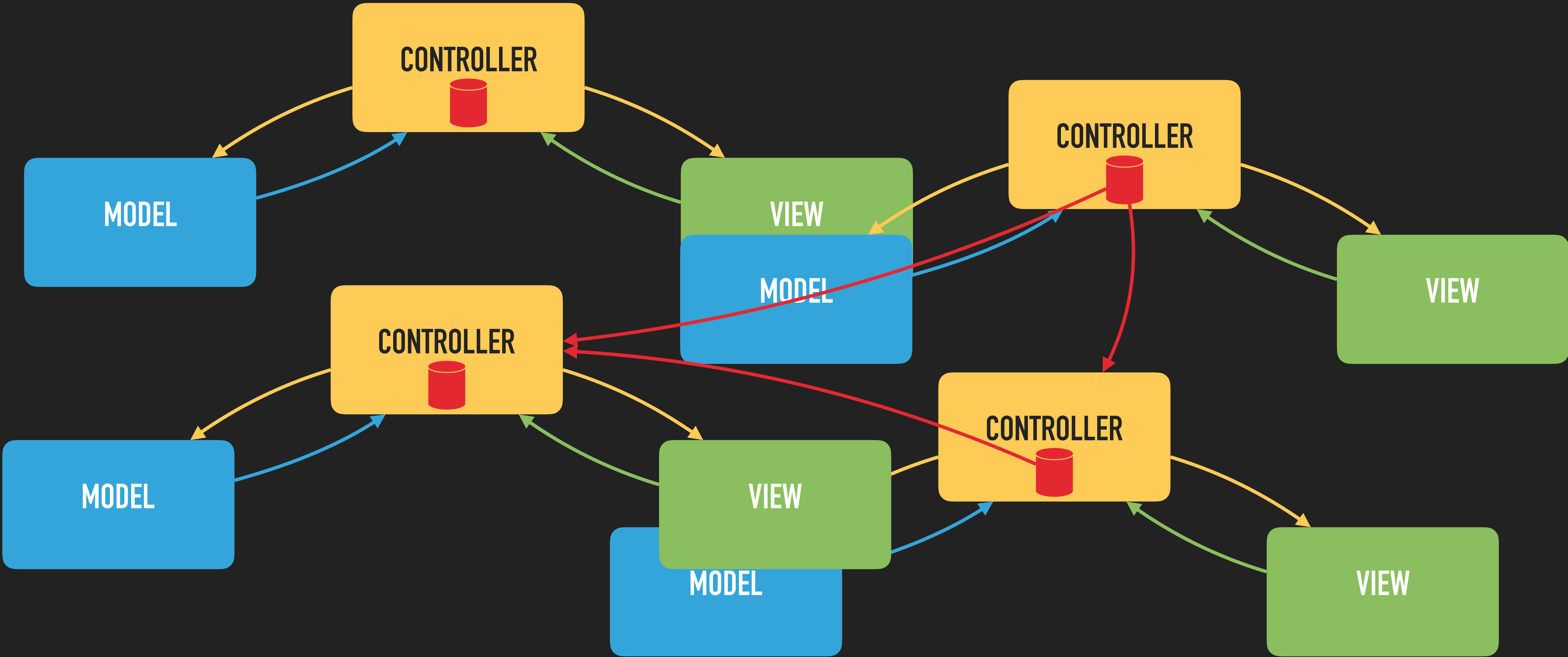
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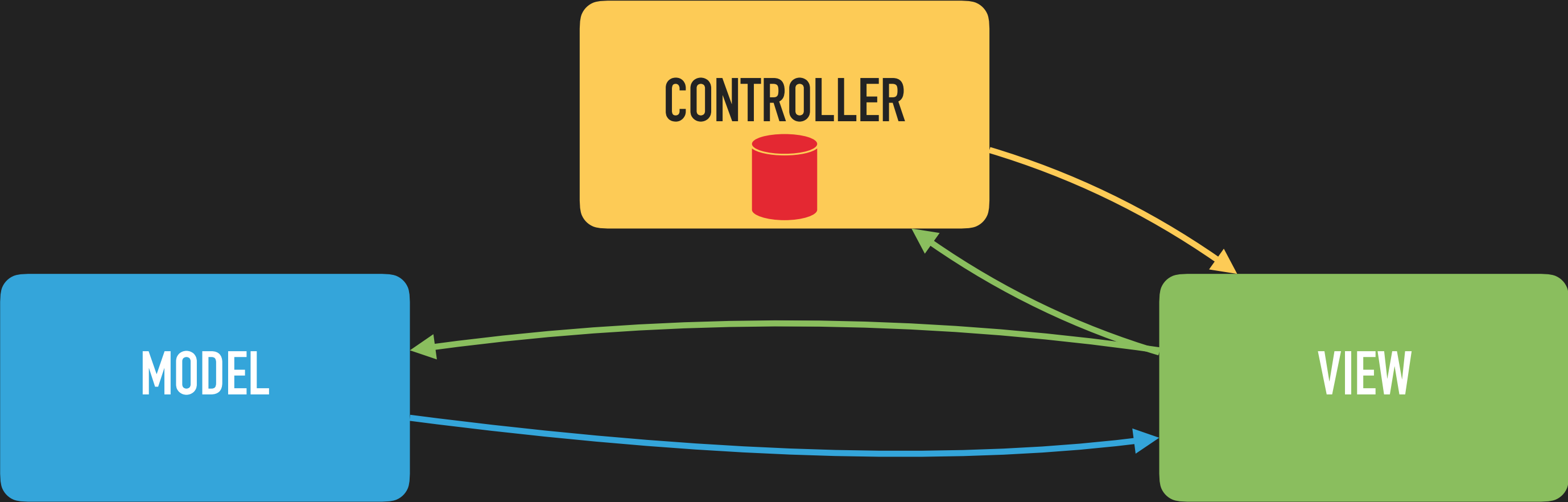


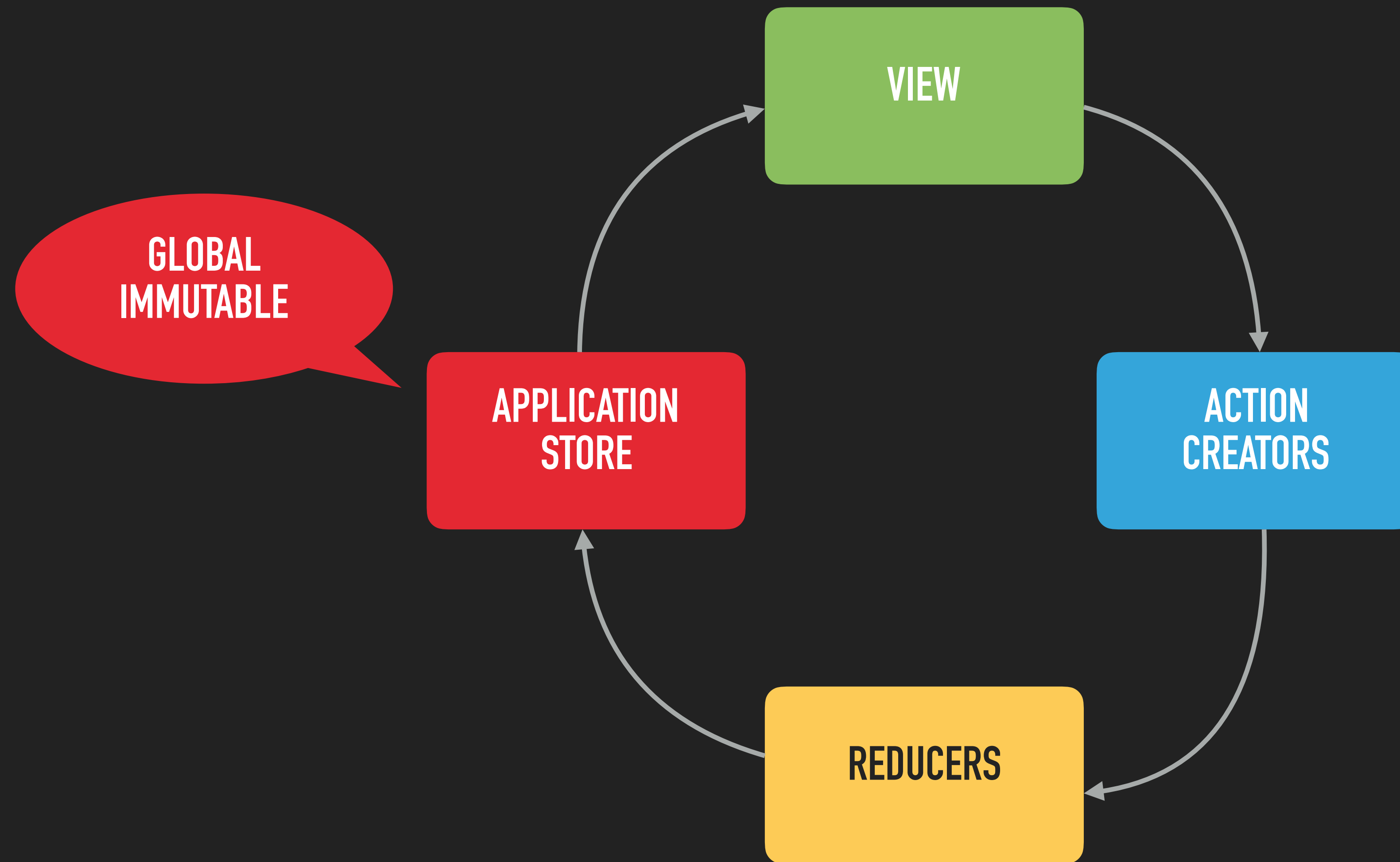
craftsmanship  
Research  
craftsmanship  
Philips  
native xp xpblockchain  
nativeiOS react xp agile  
iOS Swift  
privacy  
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blockchain  
iOS craftsmanship



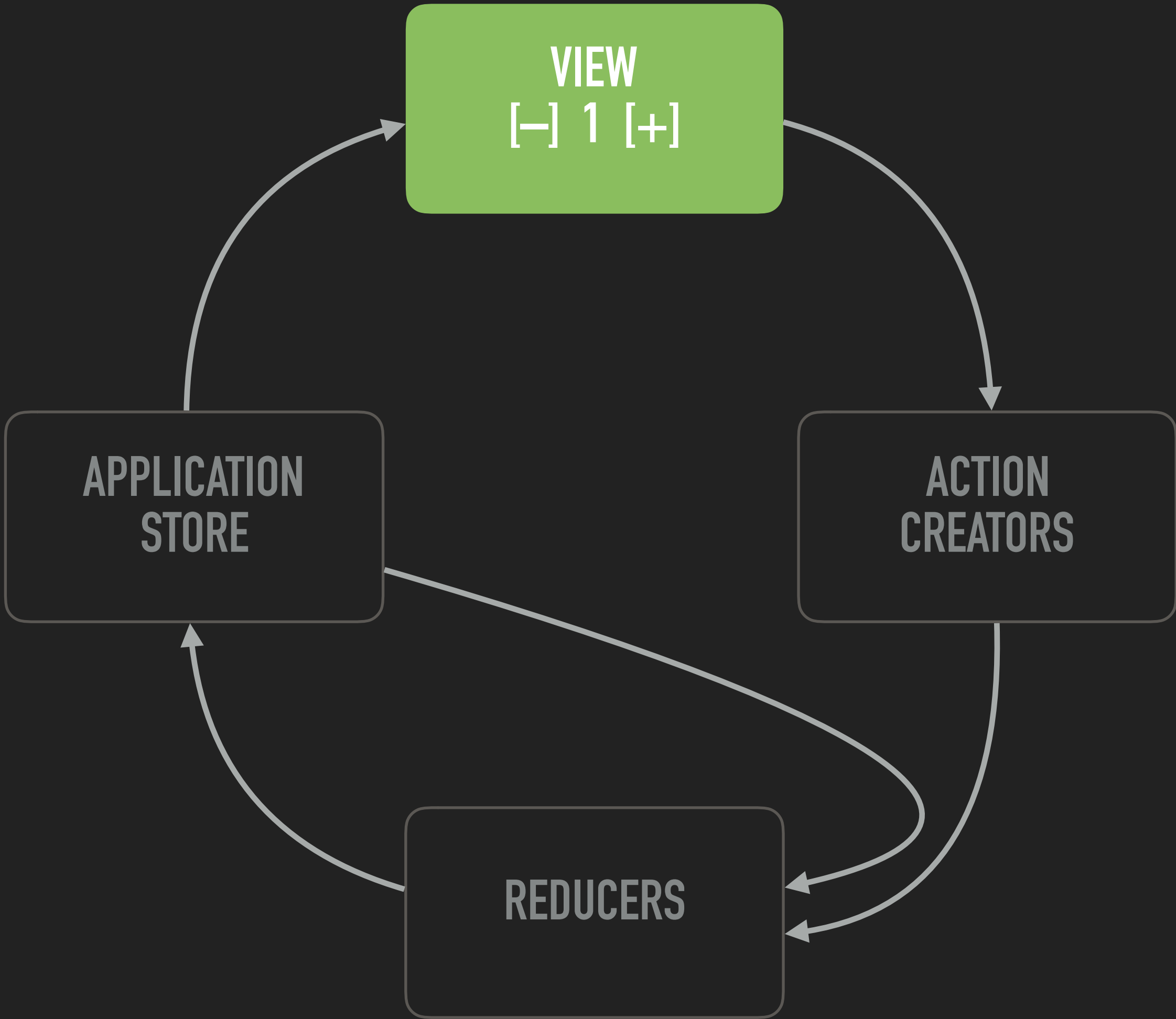


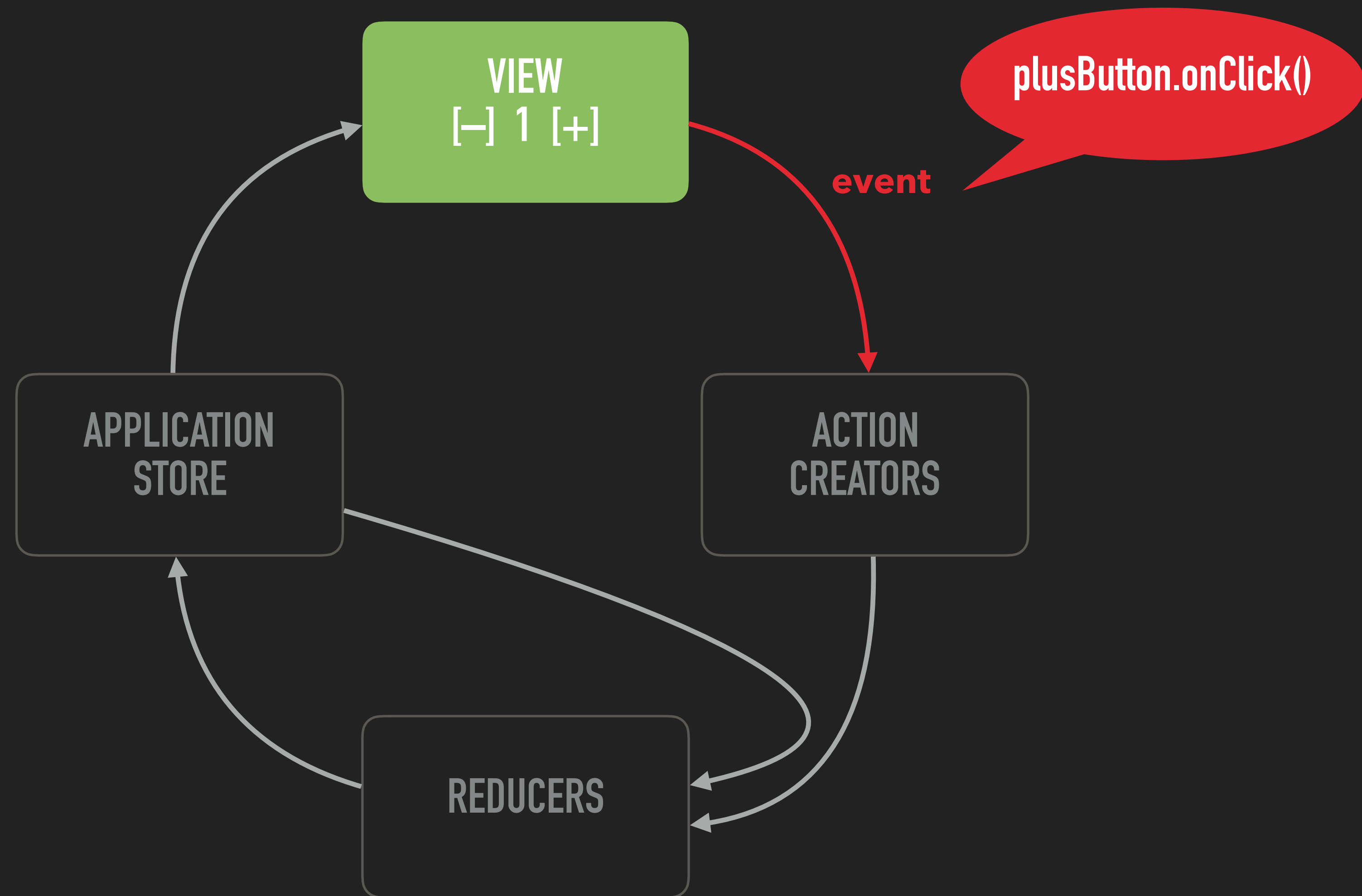


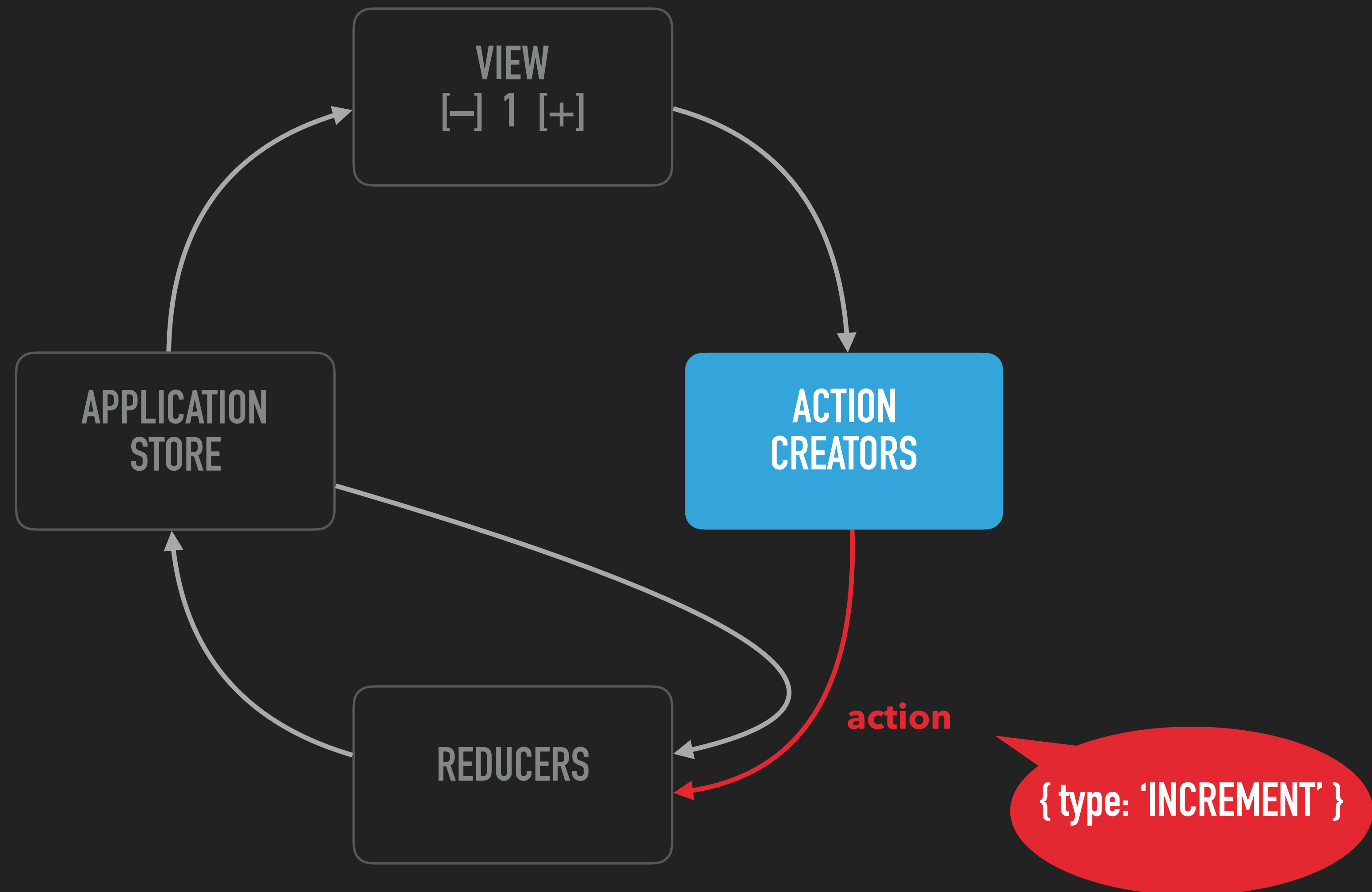




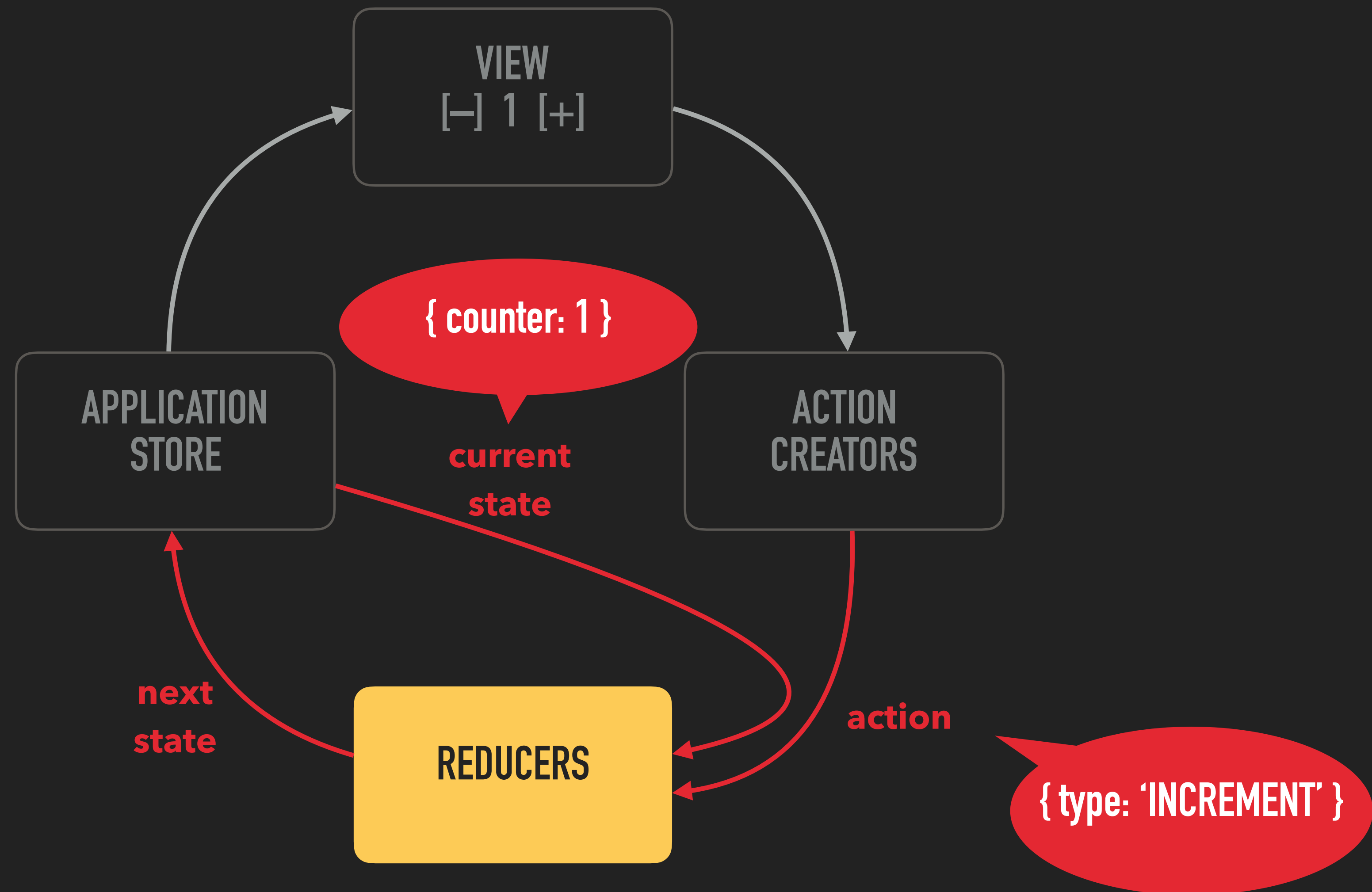


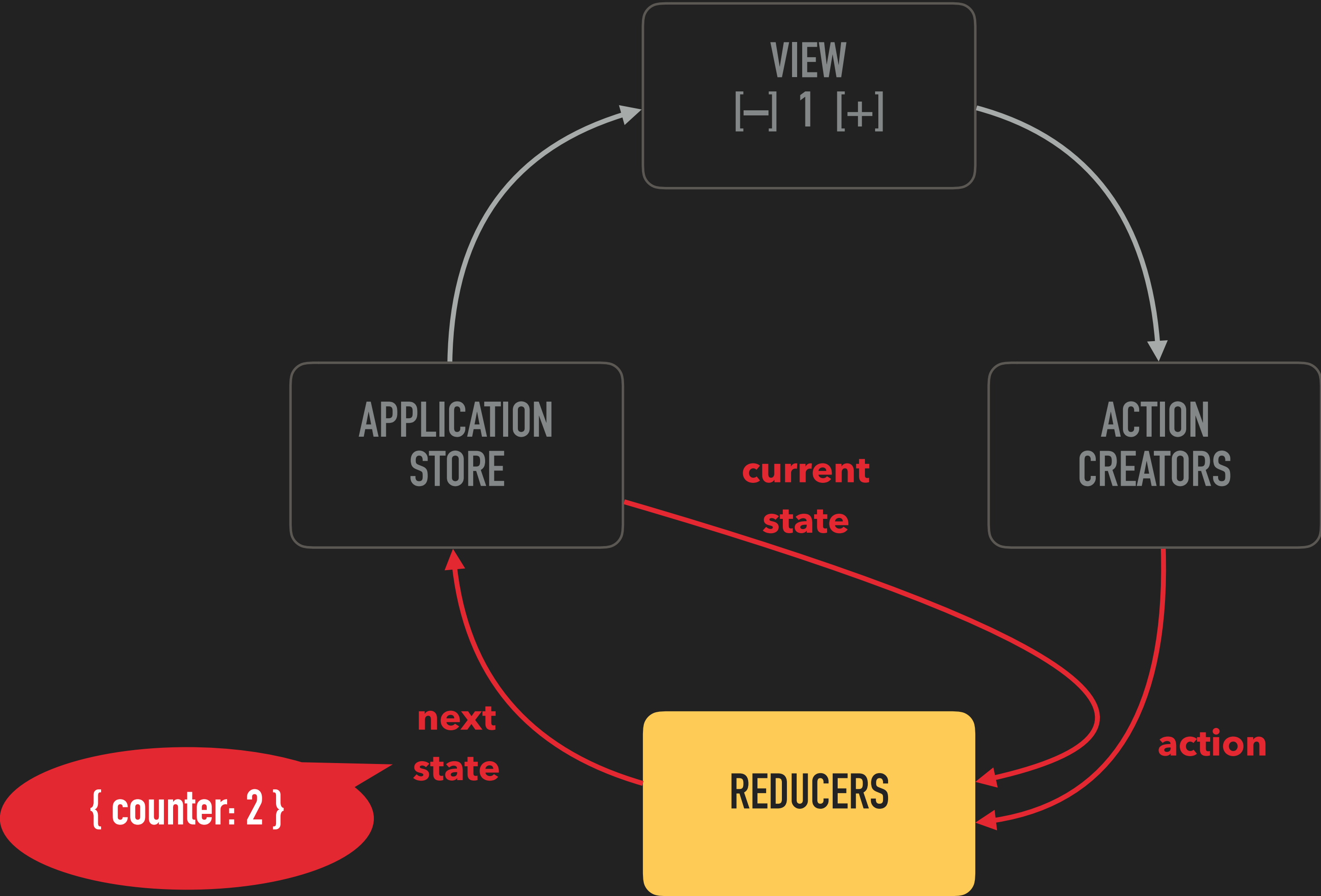


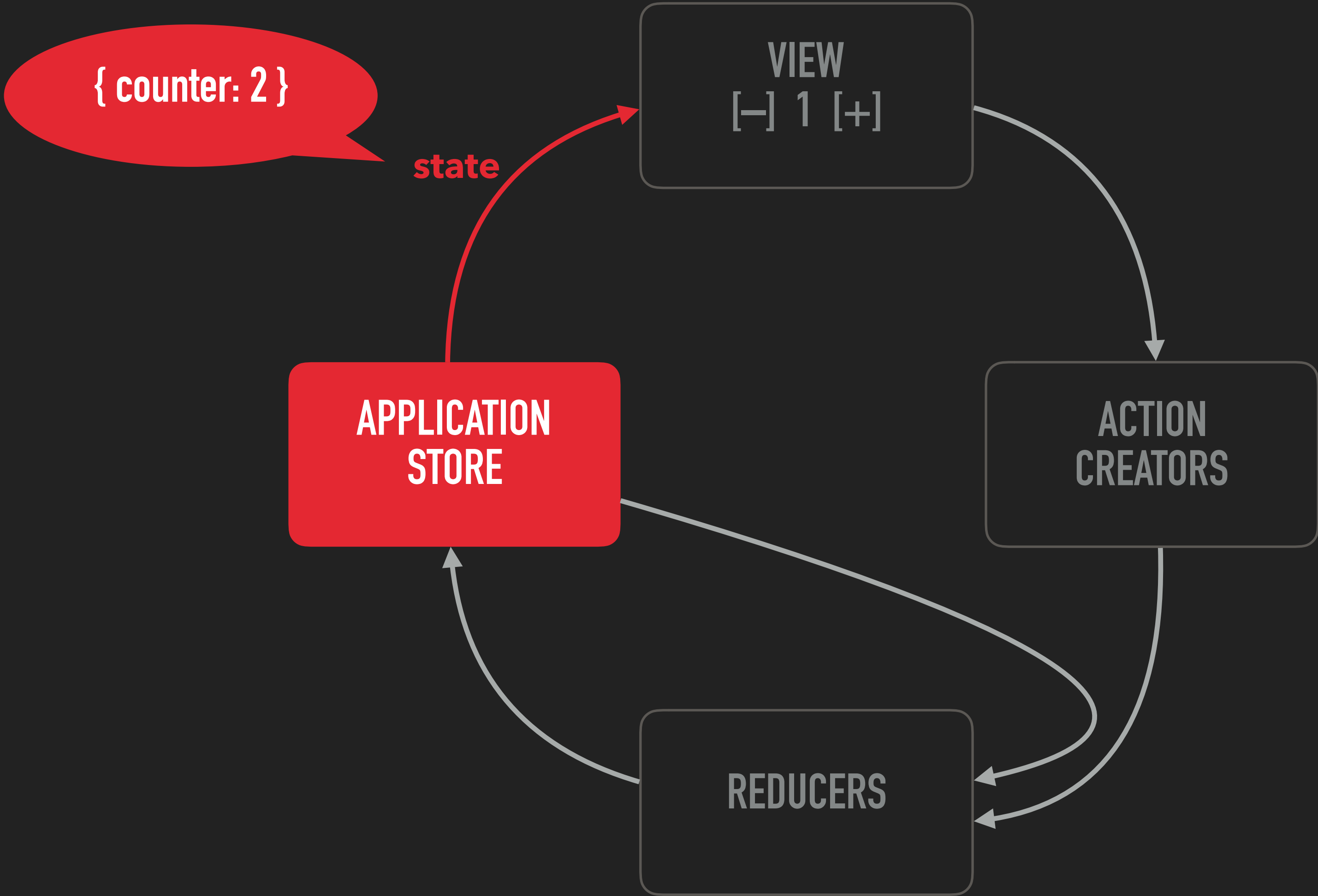




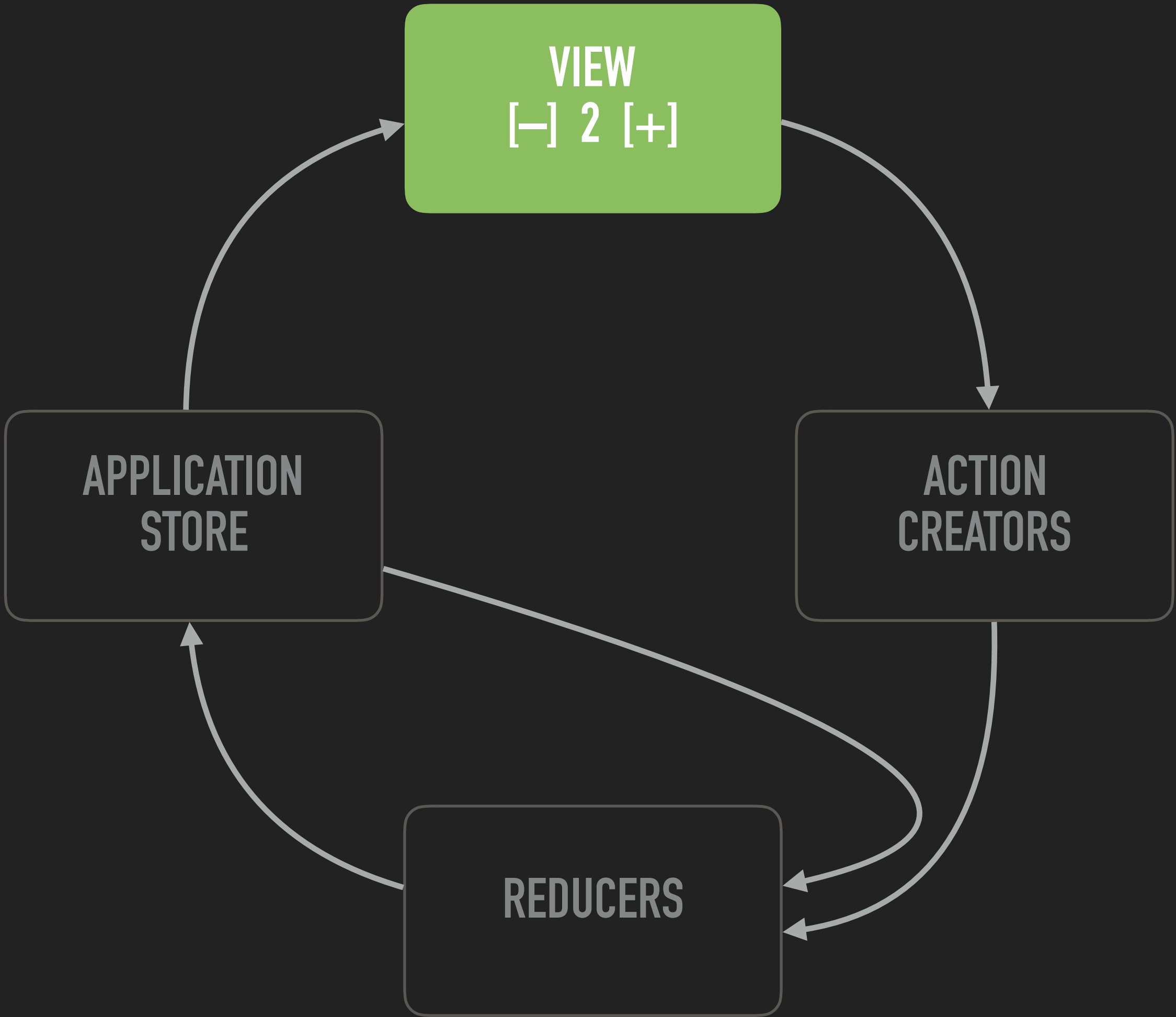


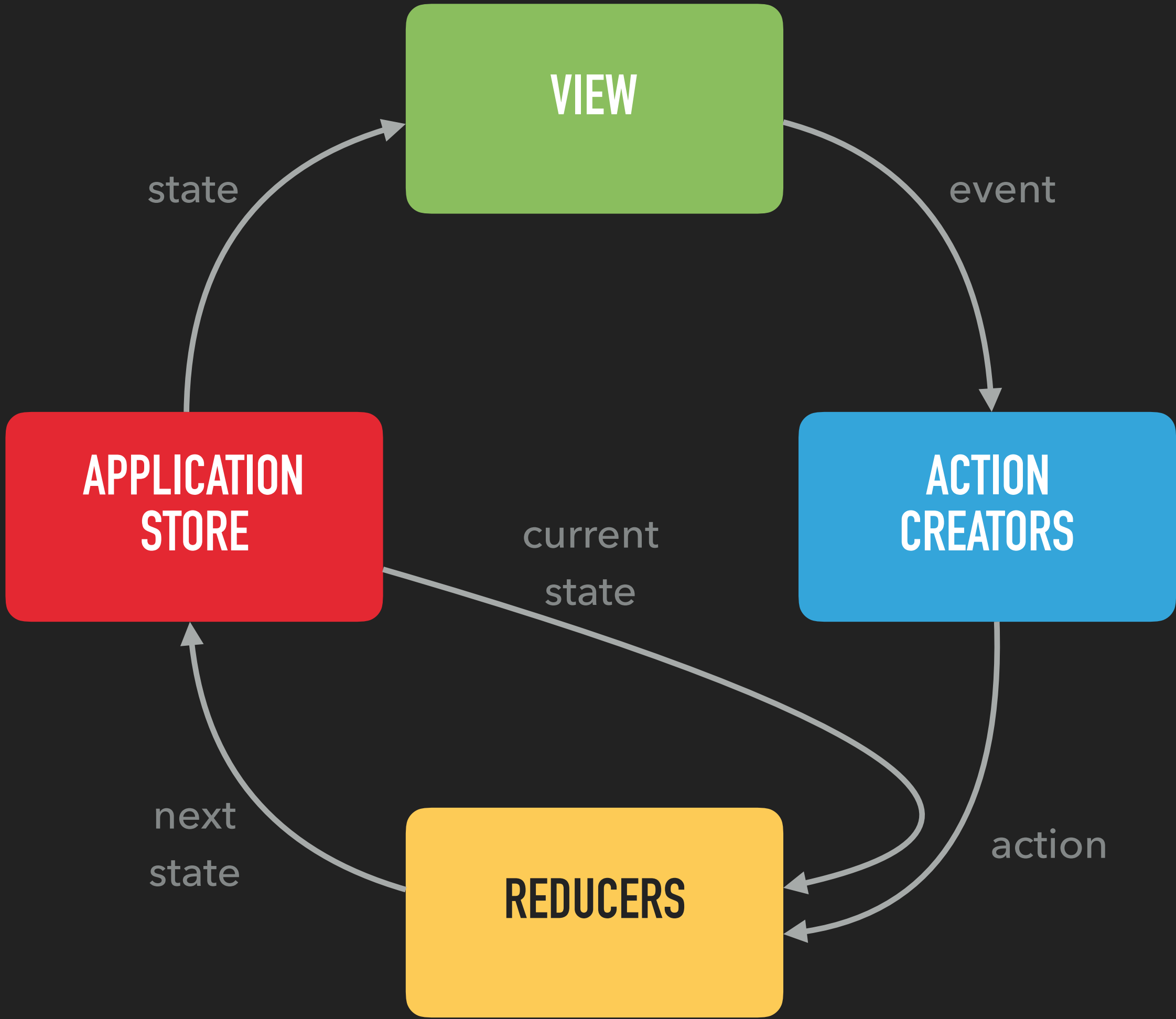












## JAVASCRIPT

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

## SWIFT

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



## JAVASCRIPT

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

## SWIFT

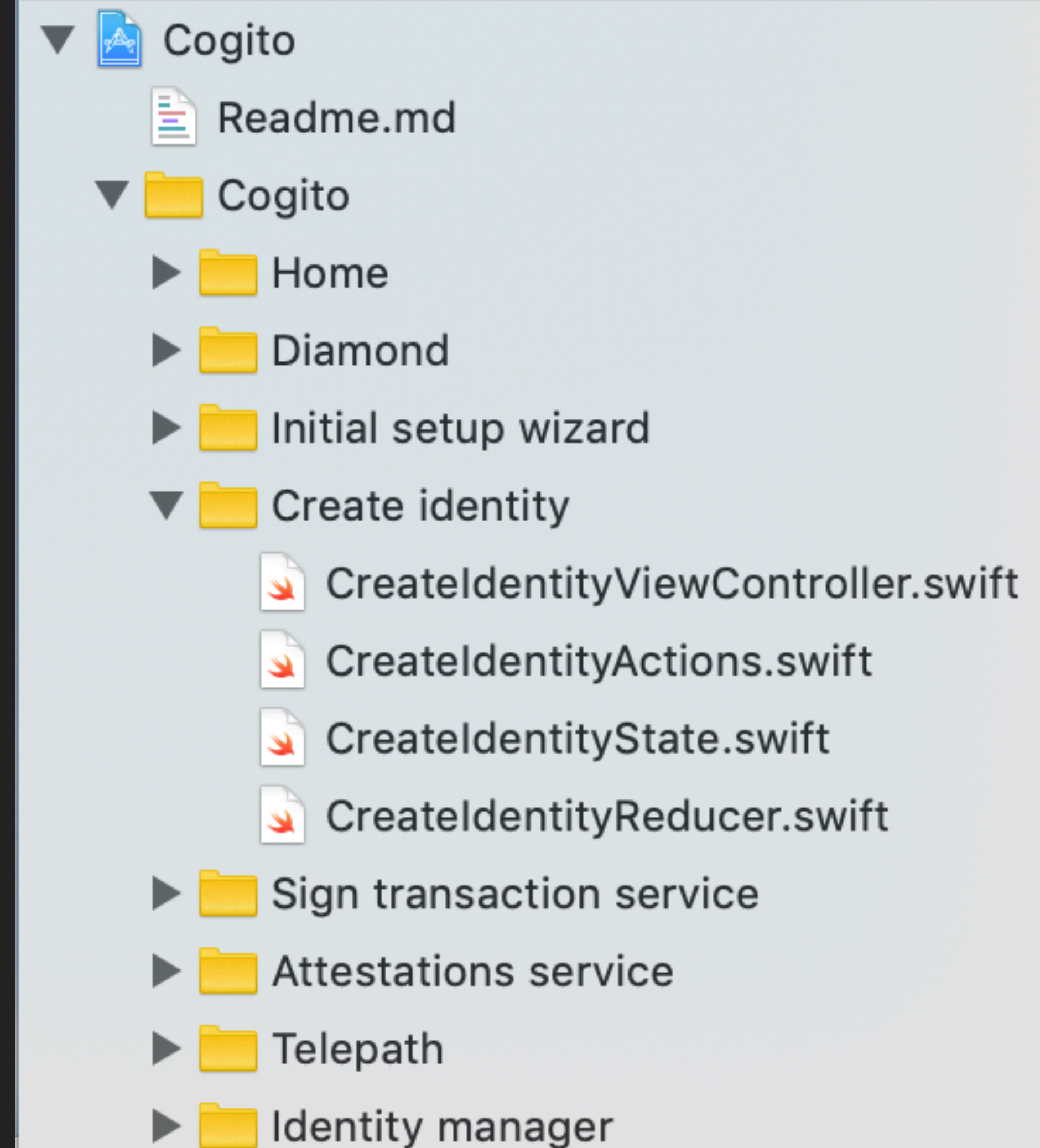
- ▶ View: RxSwift
- ▶ Flow: ReSwift
- ▶ Bindings:

# RERXSWIFT

DEMO

# 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**