

SwiftCon China 2016

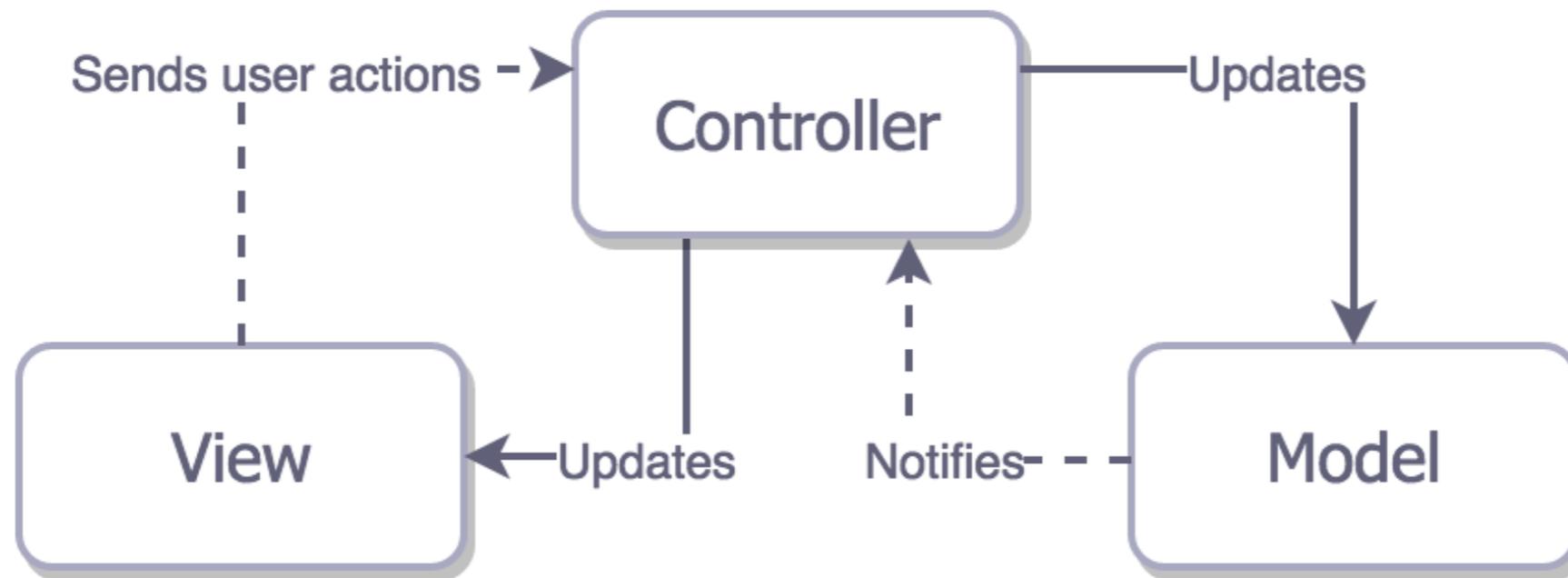
www.swiftconchina.com



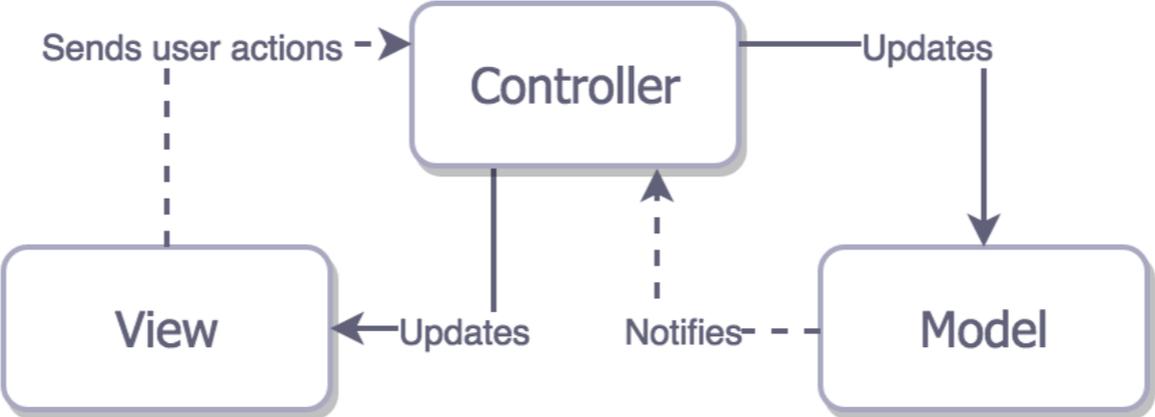
iOS ARCHITECT

REDUX IN SWIFT

APPLE MVC PATTERN



APPLE MVC PATTERN



Distribution



Testability

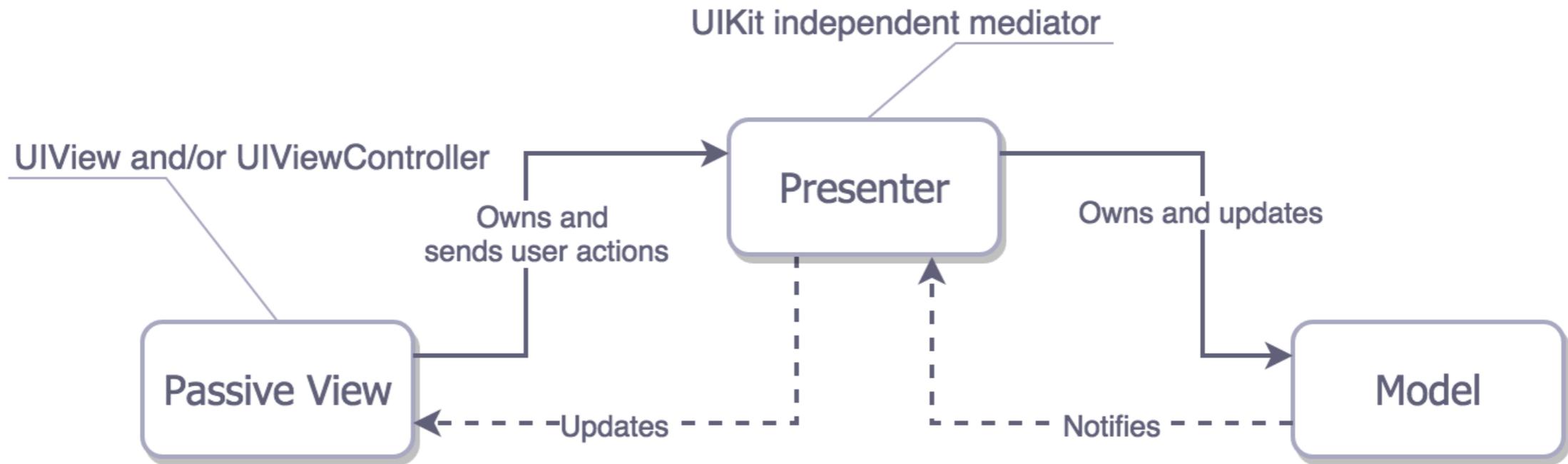


Easy to Use



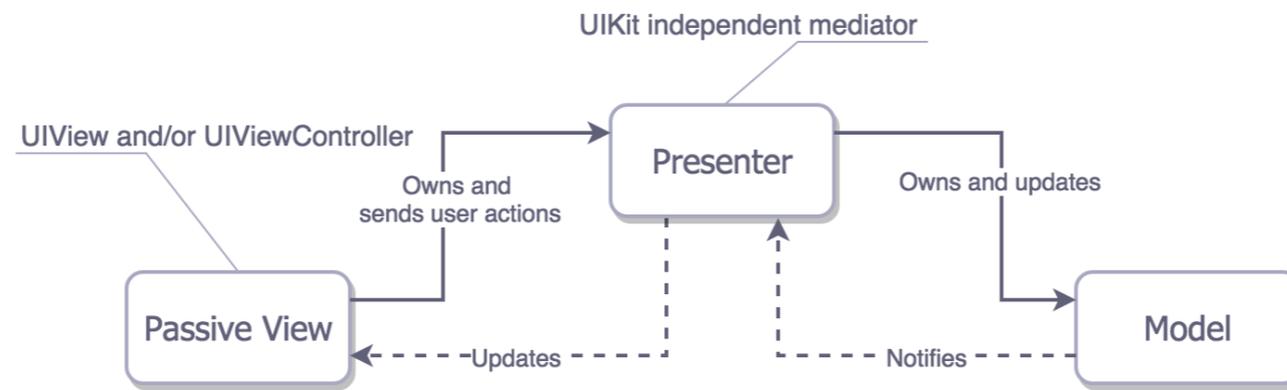
* Diagram from iOS Architecture Patterns by Bohdan Orlov

MVP PATTERN



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MVP PATTERN



Distribution



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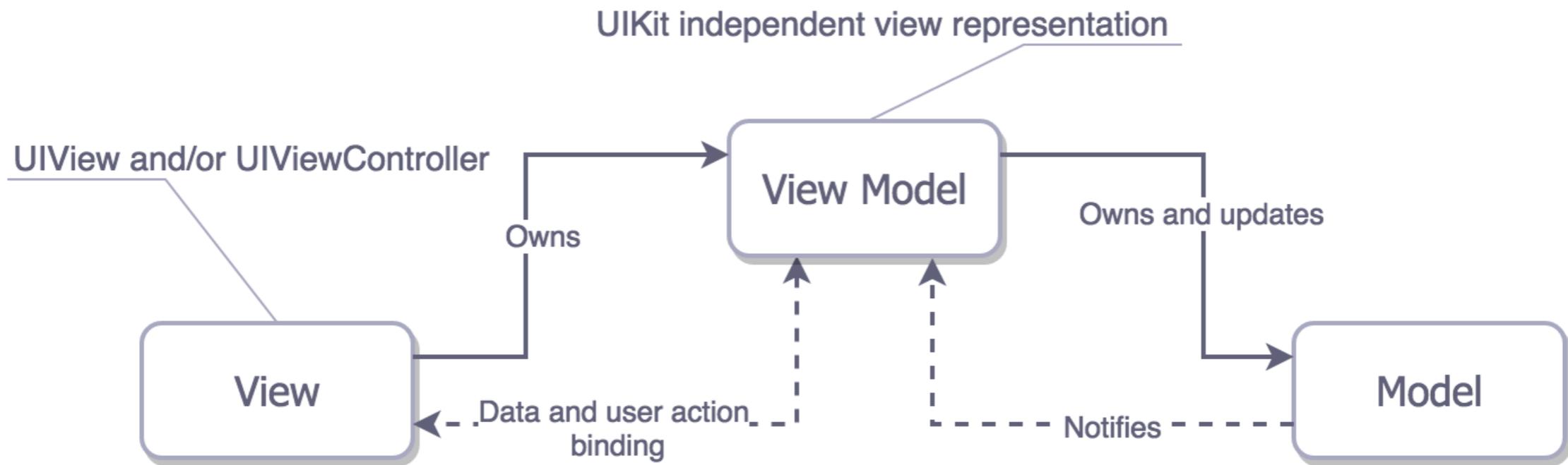


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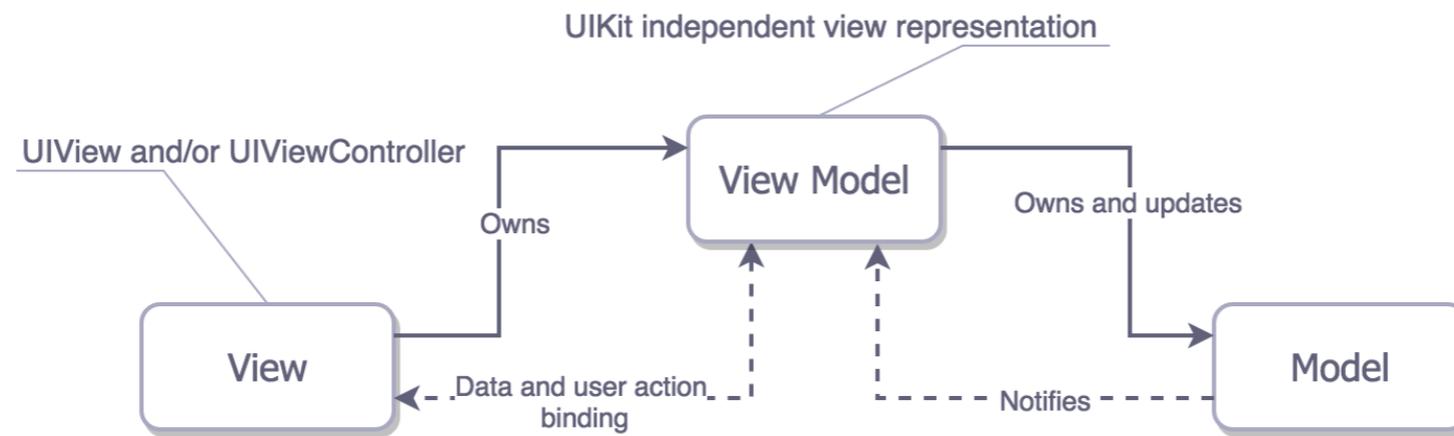
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MVVM PATTERN



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MVVM PATTERN



Distribution



Testability

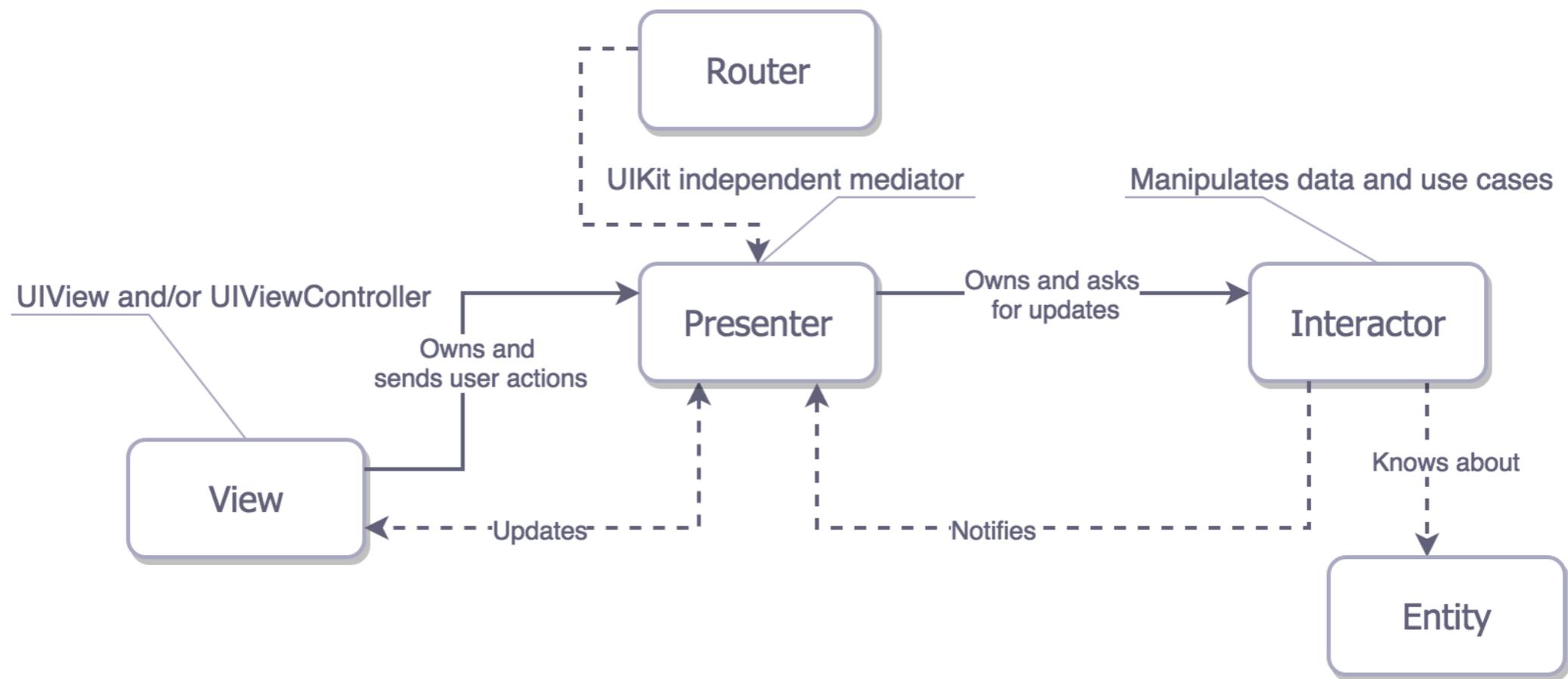


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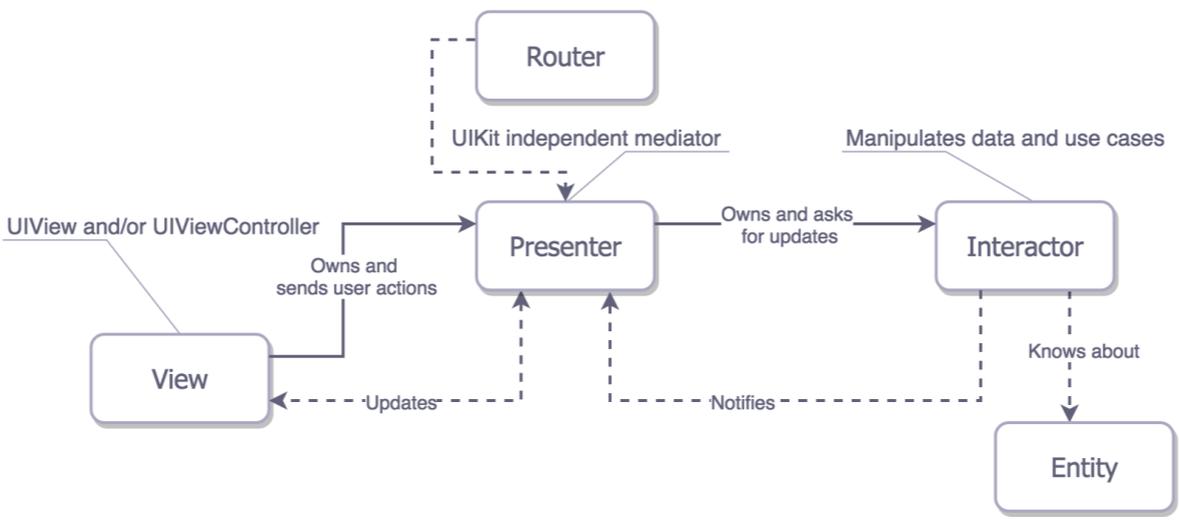
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VIPER PATTERN



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Distribution



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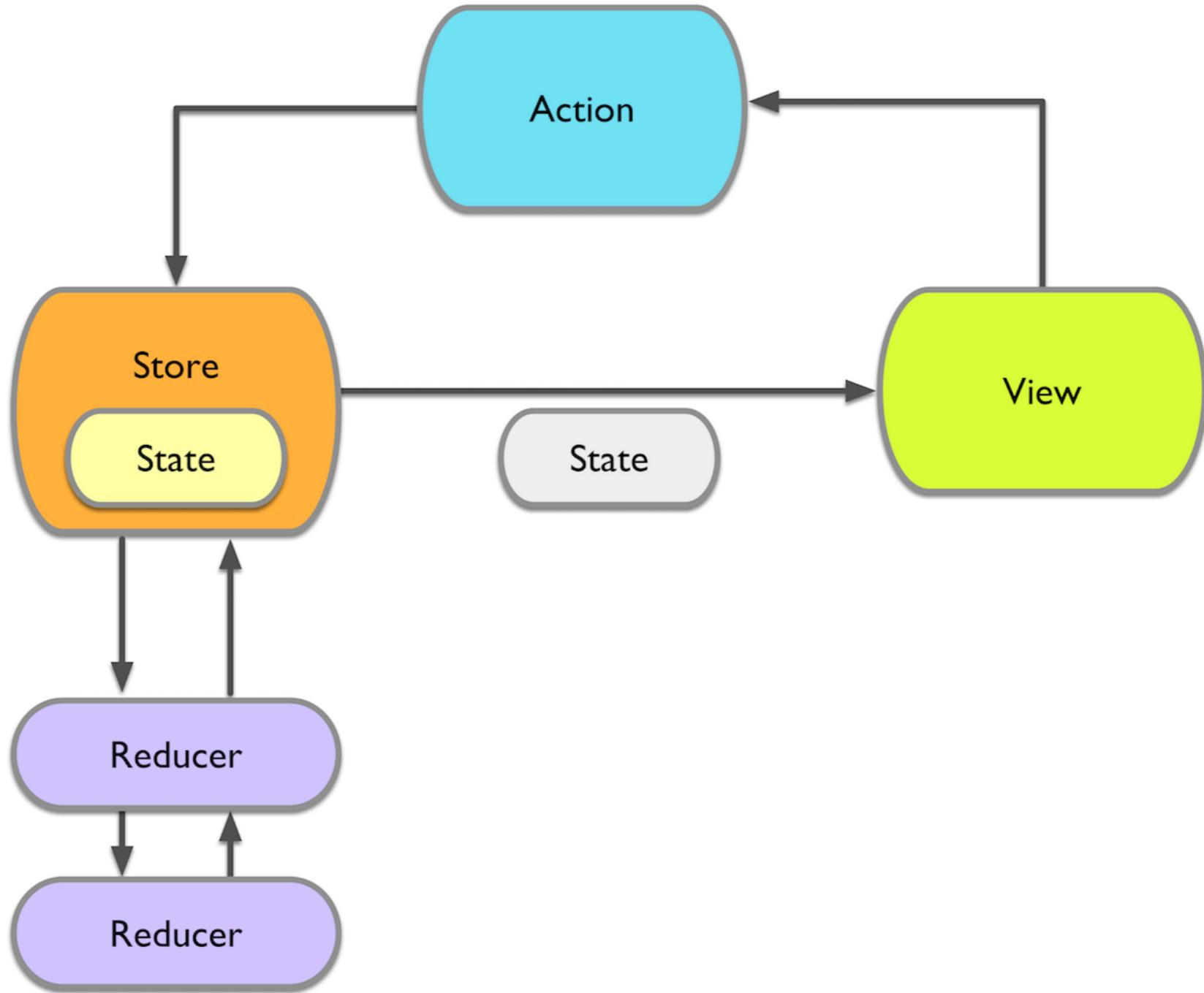


Easy to Use



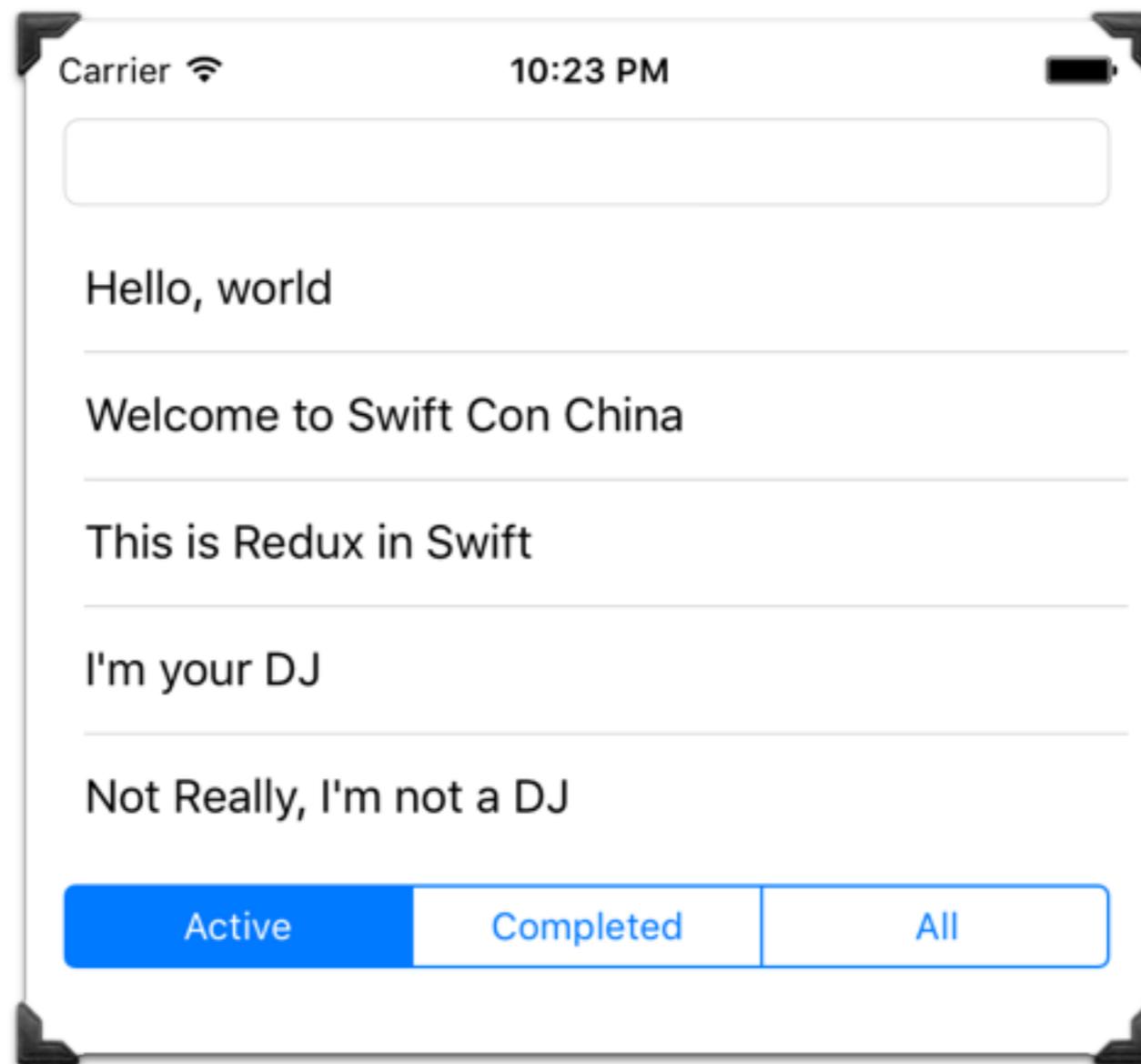
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REDUX IN SWIFT

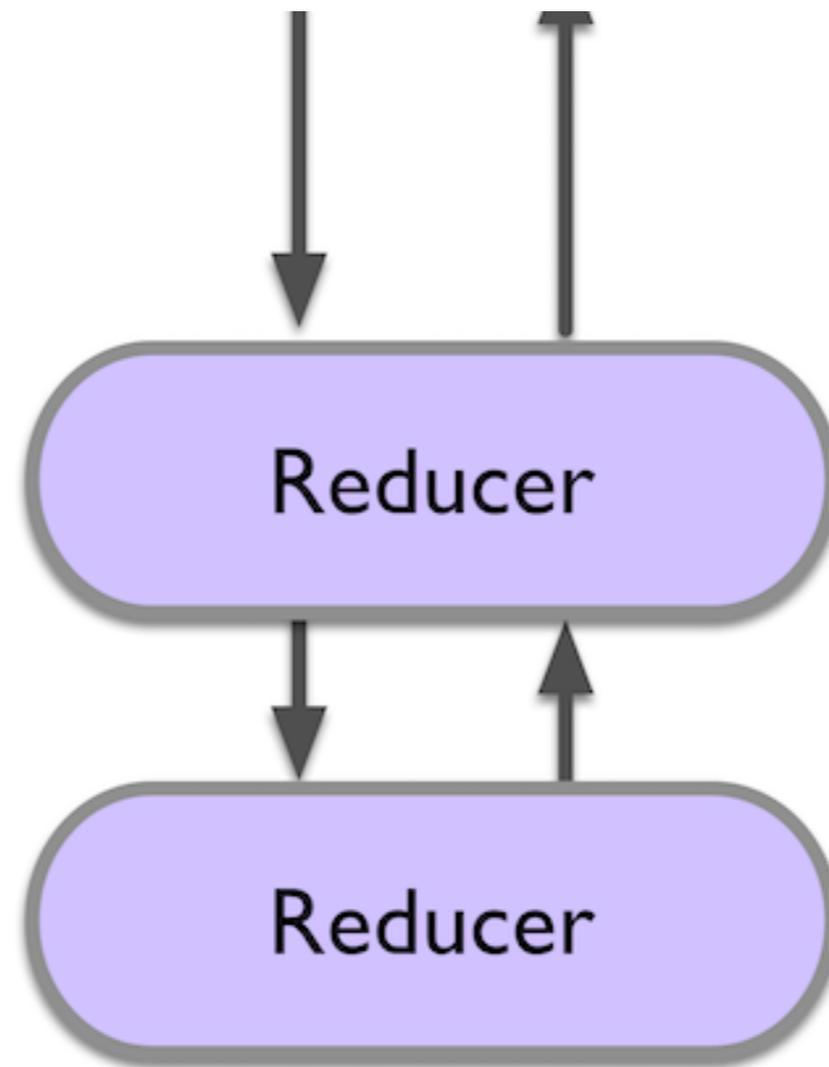


* Diagram from <https://github.com/ReSwift/ReSwift/>

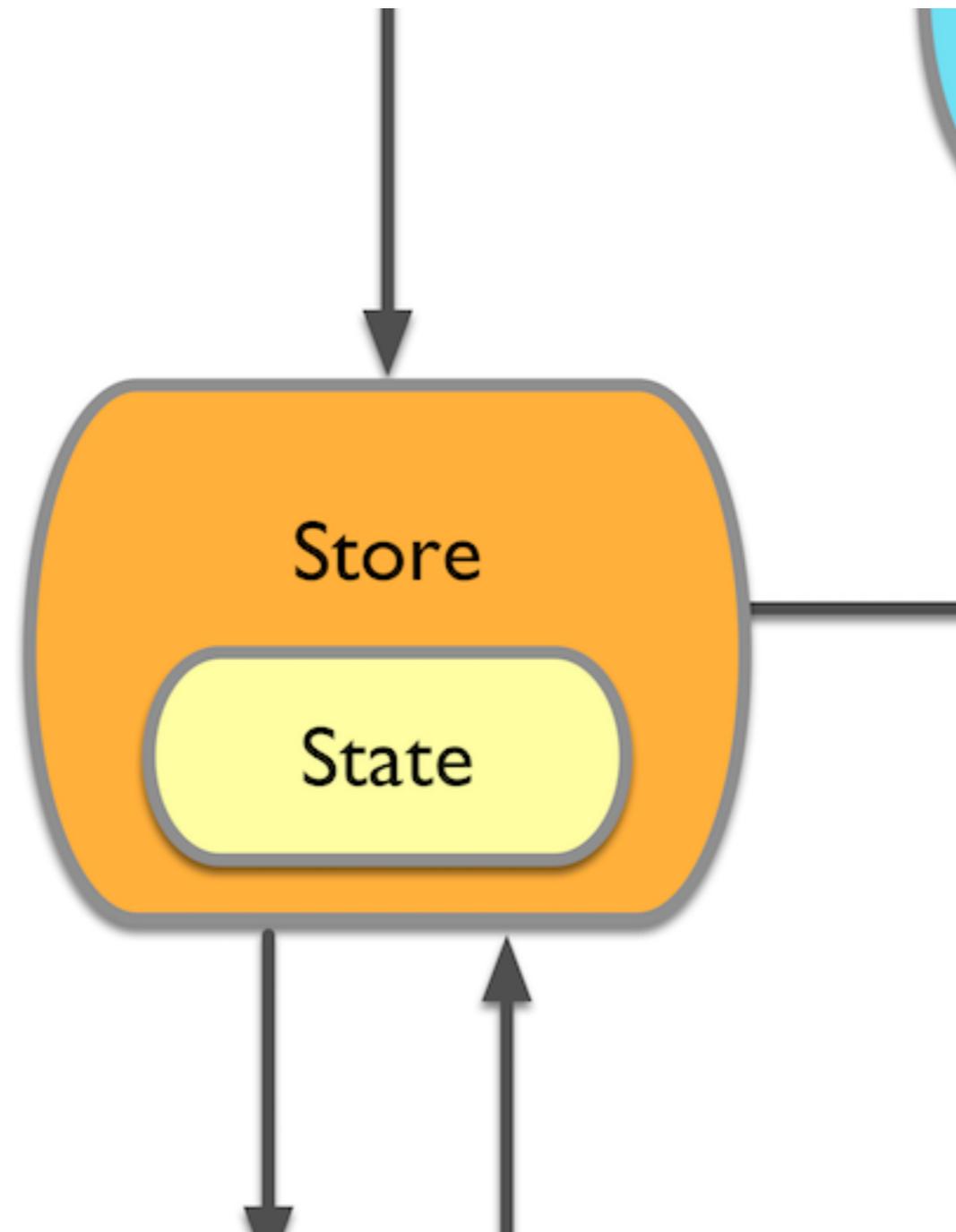
TODO APP DEMO



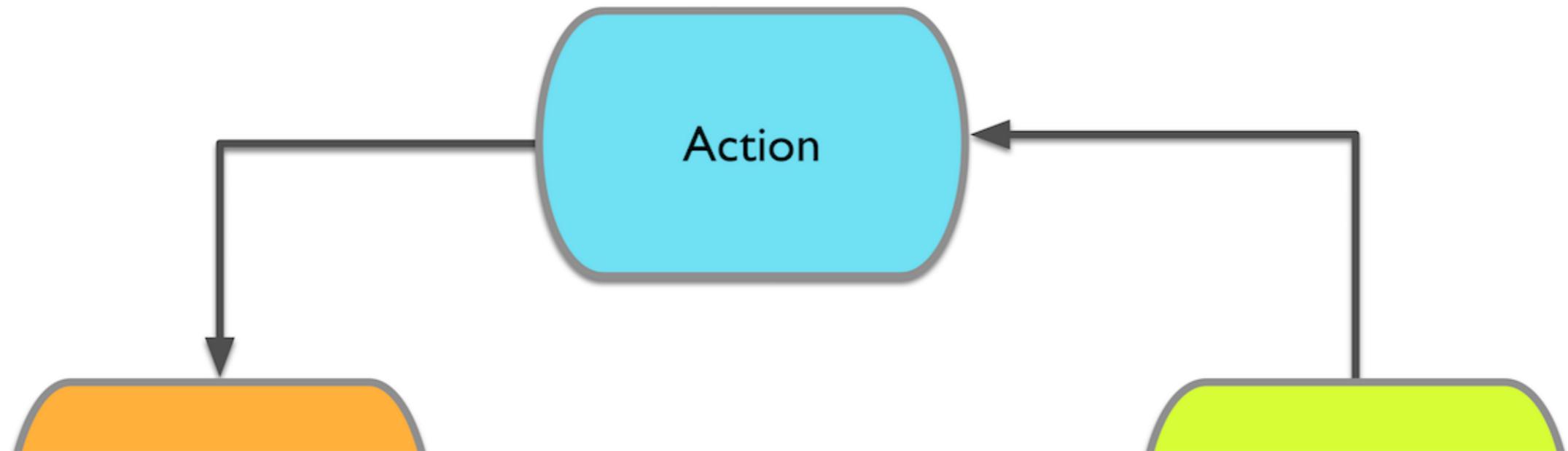
REDUX IN SWIFT



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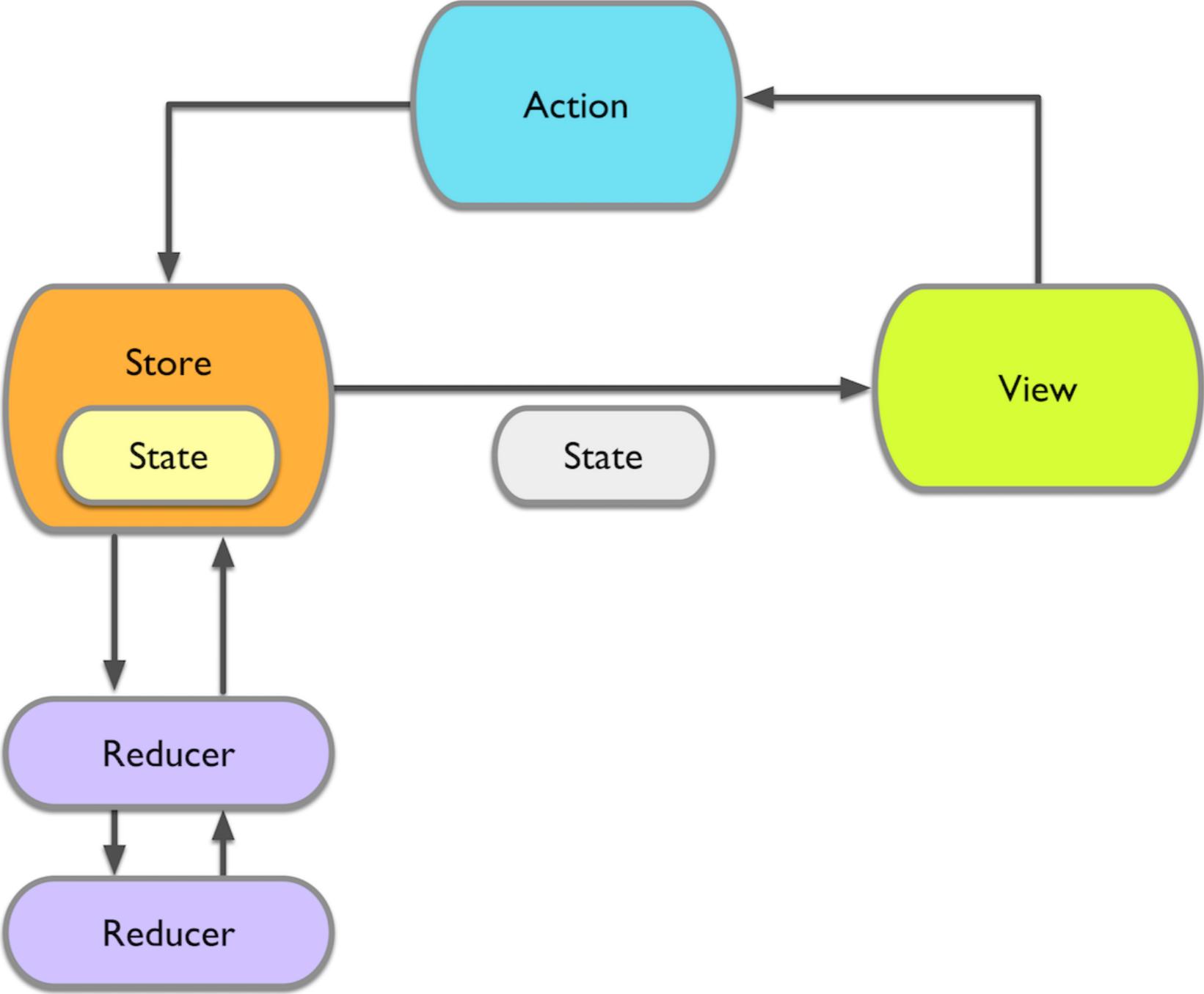


REDUX IN SWIFT



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REDUX IN SWIFT



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RECAP

- ▶ (State, Action) -> State
- ▶ Pure Function Reducers,
- ▶ Reducer Combination and Merging
- ▶ Unified One Direction Data Flow

PRO AND CONS

- ▶ Statically Typed swift
- ▶ Need to Provide Initial State
- ▶ One Unified Store
- ▶ Relatively new in iOS

KEN

- ▶ Animations
- ▶ Sometimes Fighting Against the Frameworks
- ▶ Possible Performance Impact
- ▶ Lack of Virtual DOM from React

REFERENCE

- ▶ <https://medium.com/ios-os-x-development/ios-architecture-patterns-ecba4c38de52>
- ▶ <https://github.com/ReSwift/ReSwift>
- ▶ <https://github.com/reactjs/redux>