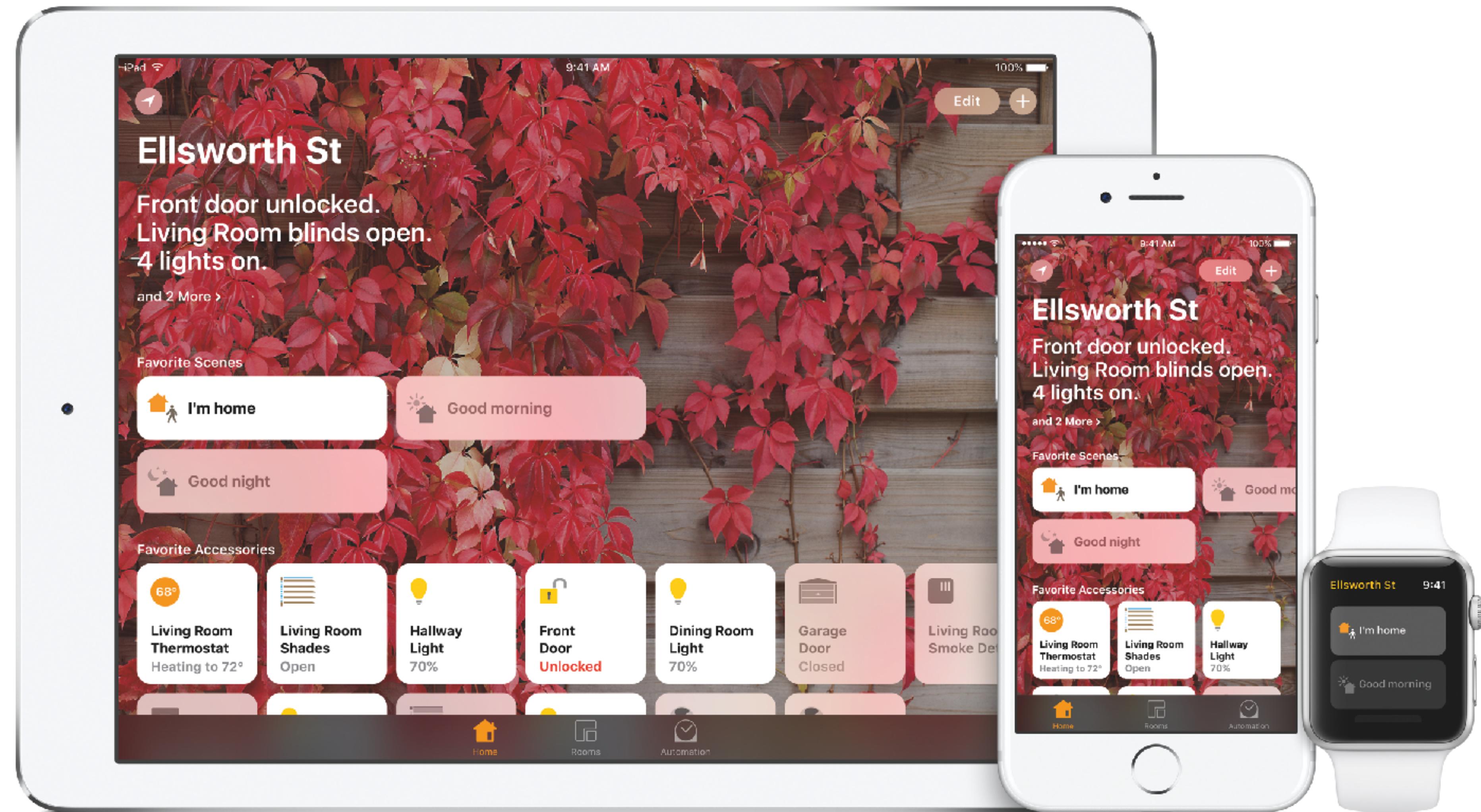


Cocoa Touch

@NaufalAros



Cocoa



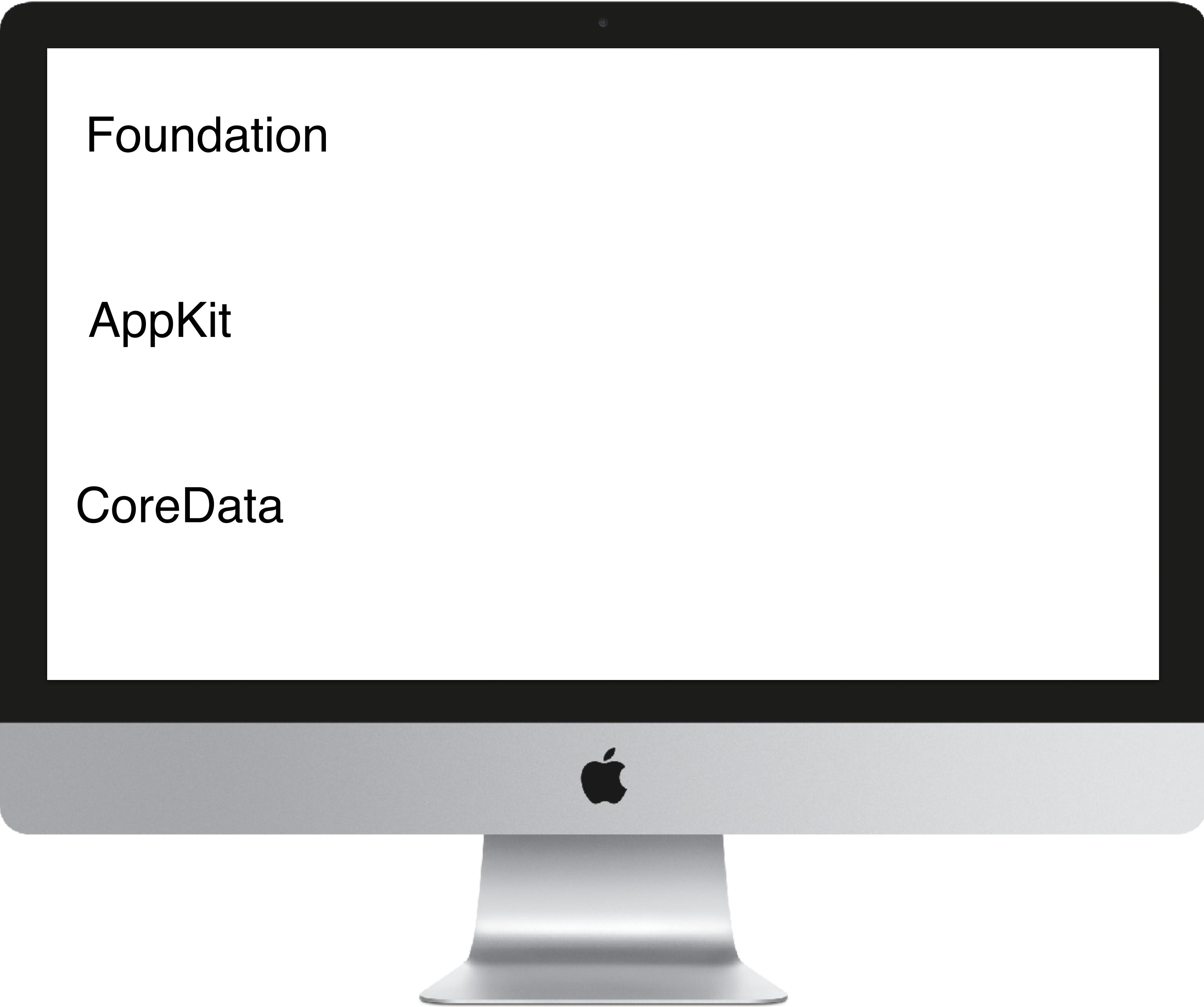
Foundation





Foundation

AppKit



Foundation

AppKit

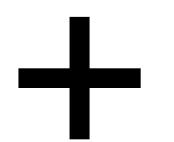
CoreData

Foundation

CoreData

Foundation

CoreData



Foundation

CoreData

+

UIKit

Foundation

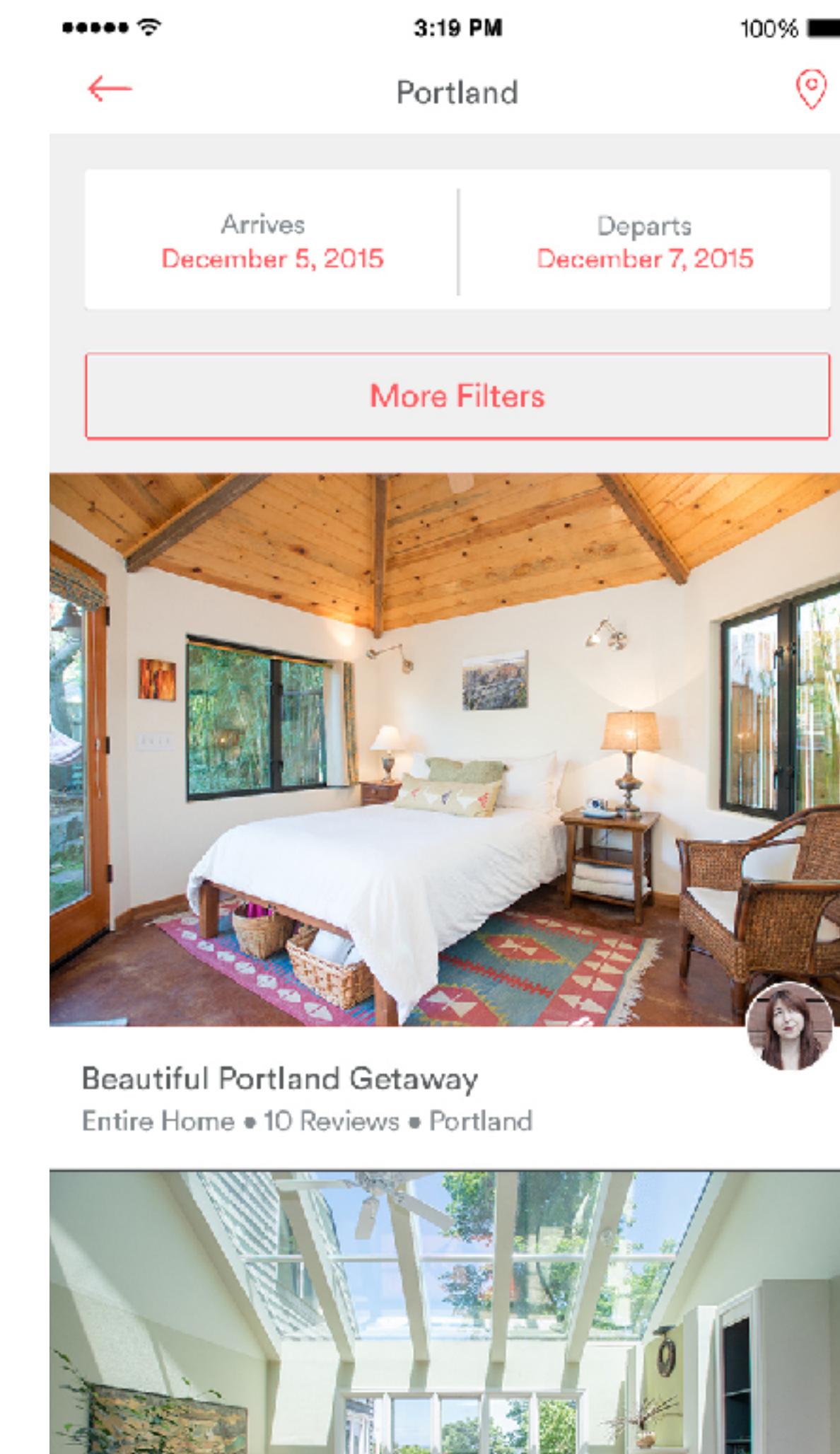
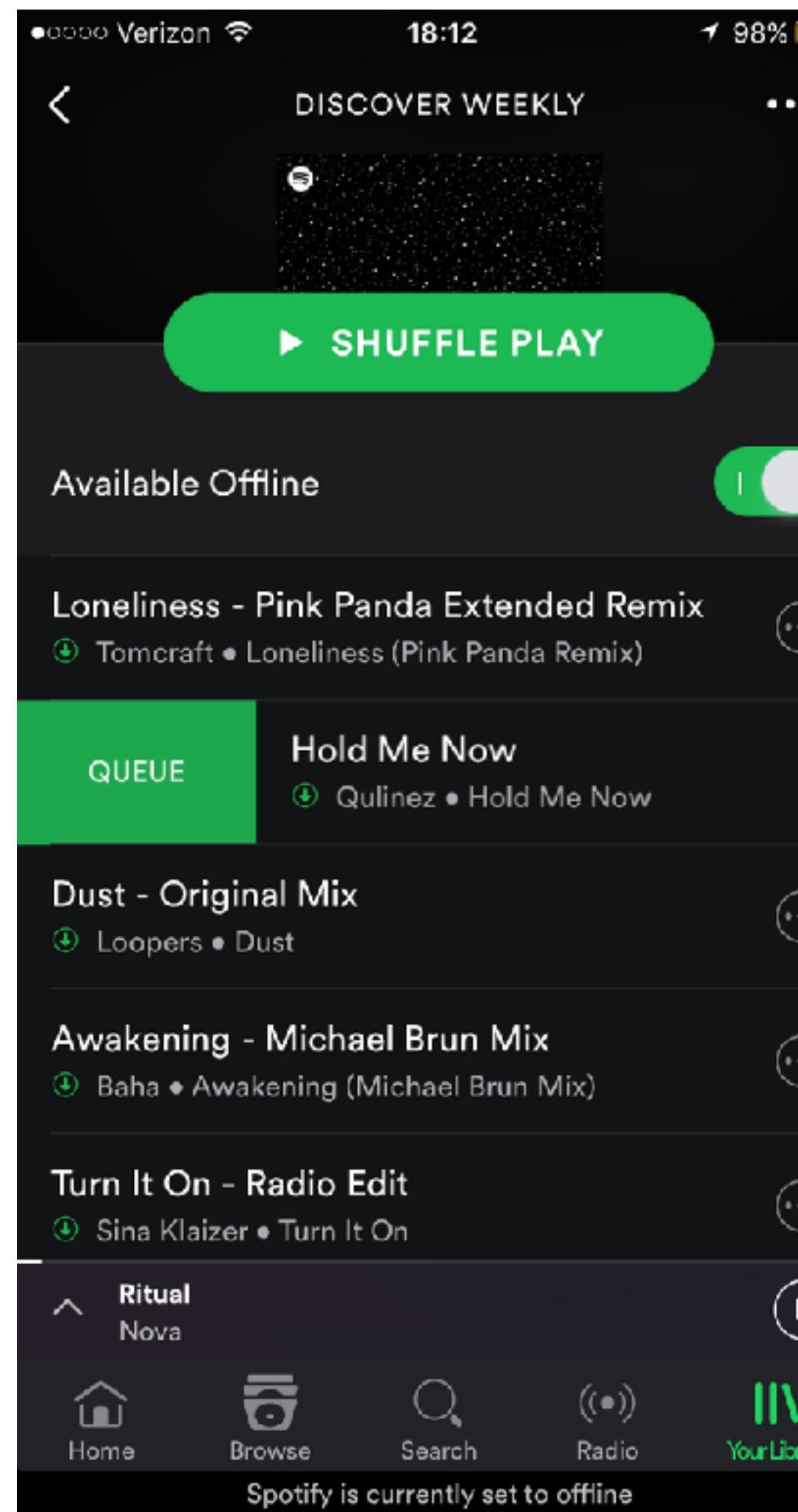
CoreData

+

UIKit



UI Classes

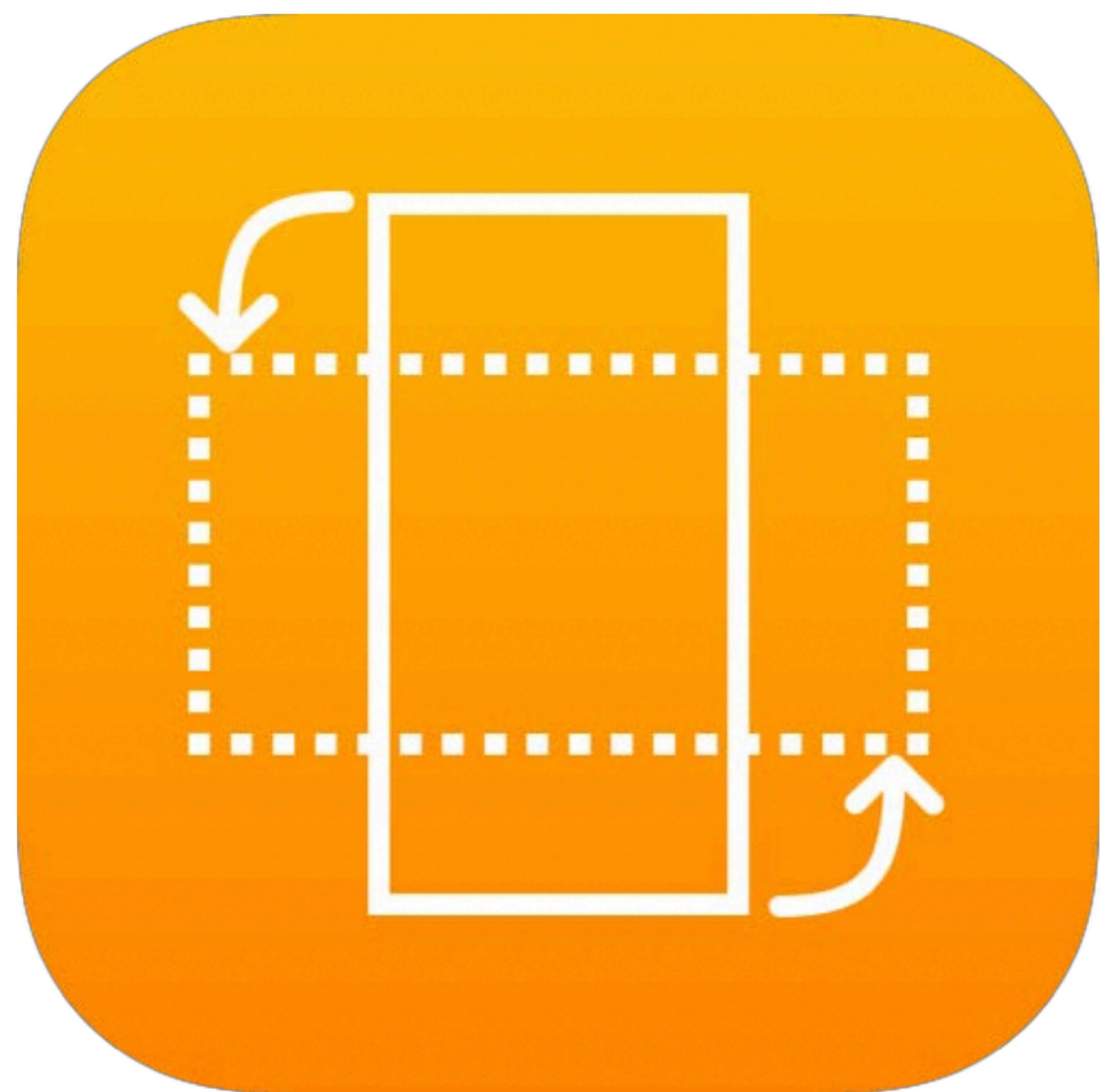


Cocoa Touch also provides...

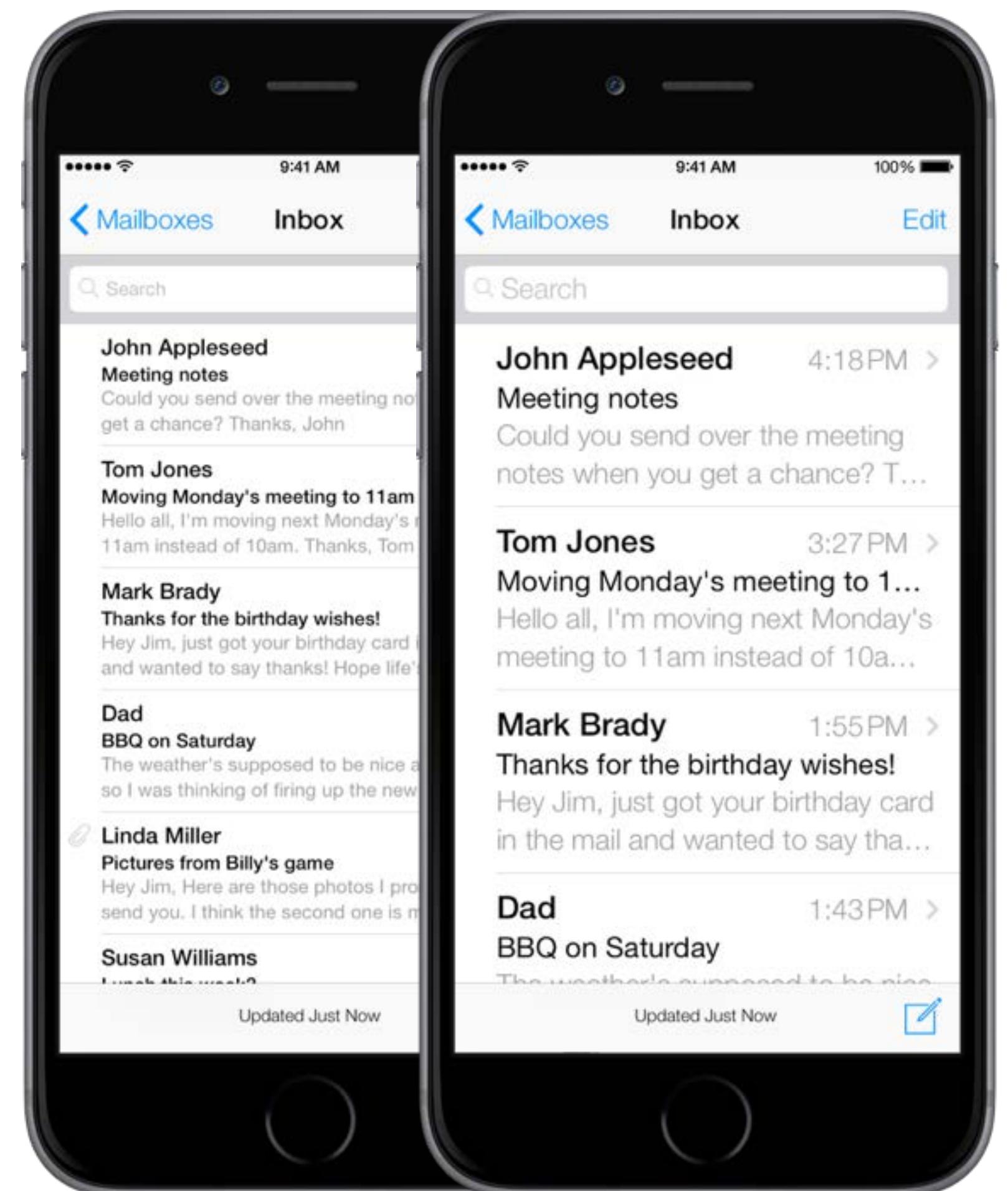
Multitasking in iOS



Auto Layout



Dynamic Type



Right-to-Left

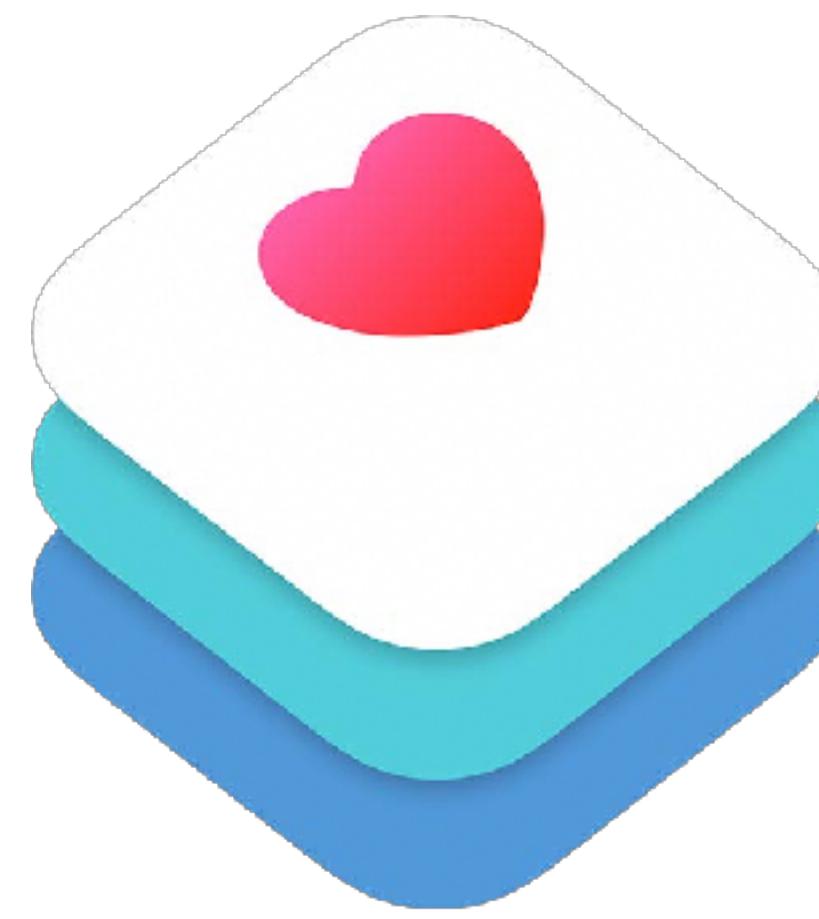


Wallet y PassKit

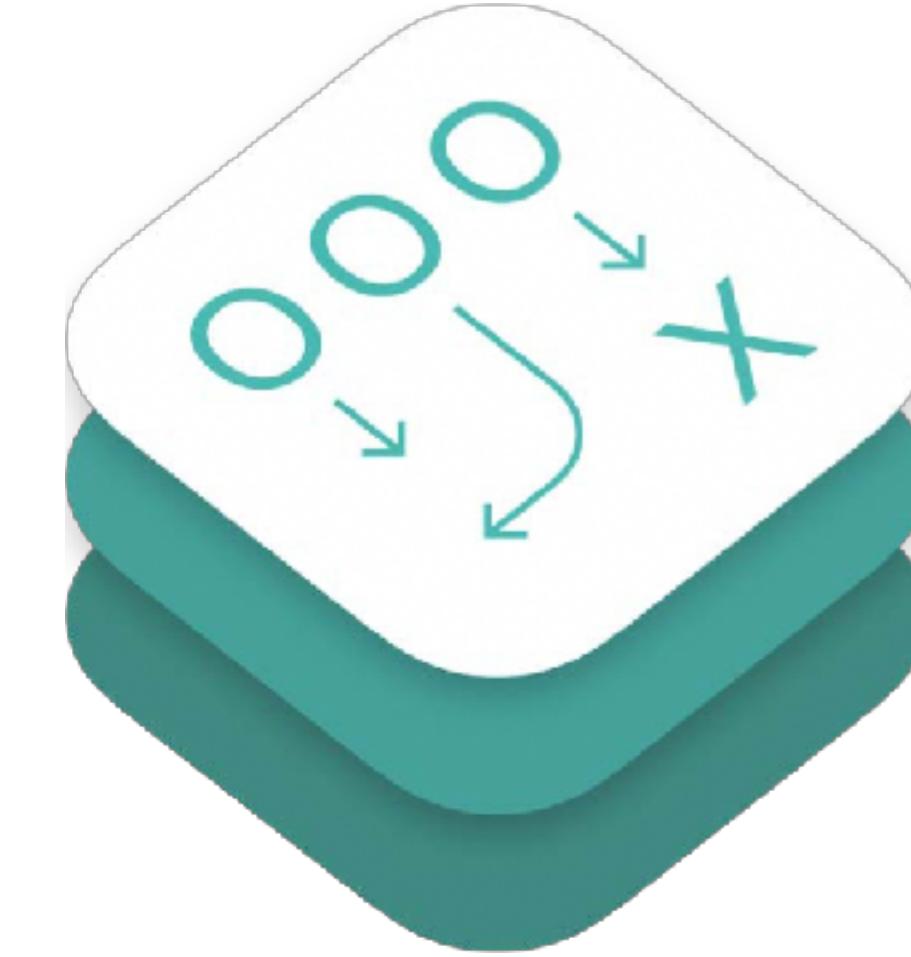


MapKit





HealthKit



GamePlayKit



HomeKit

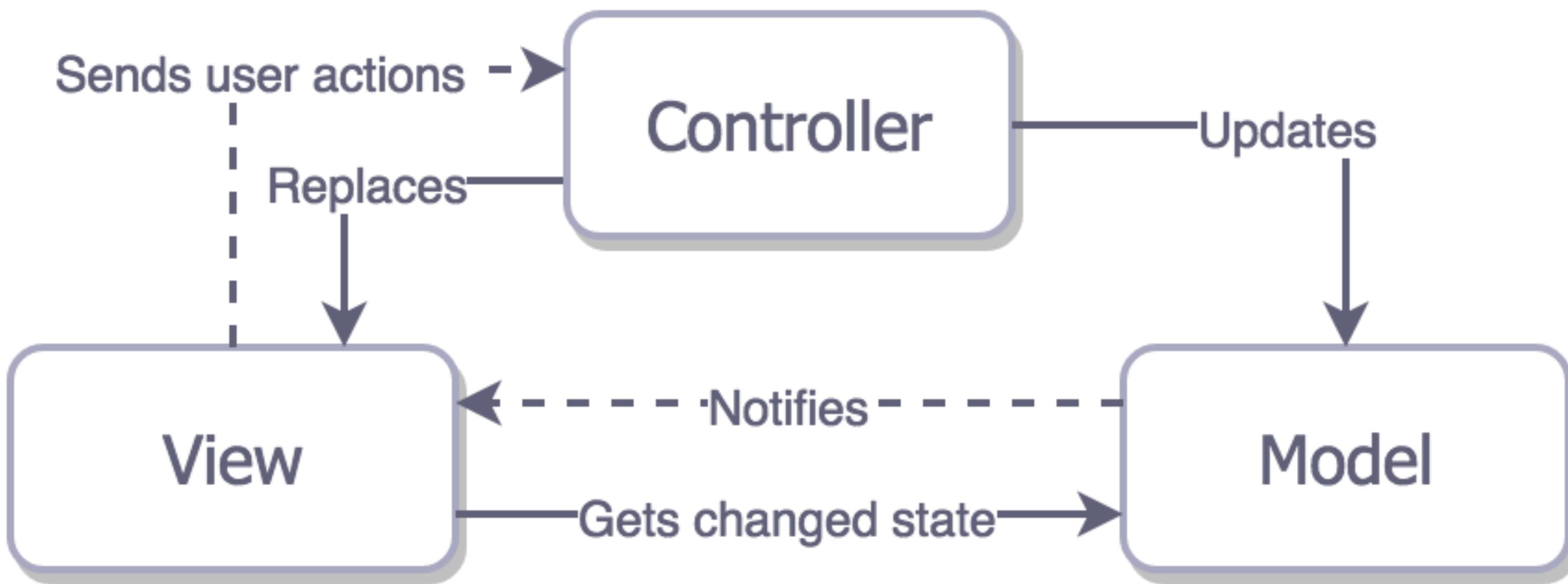


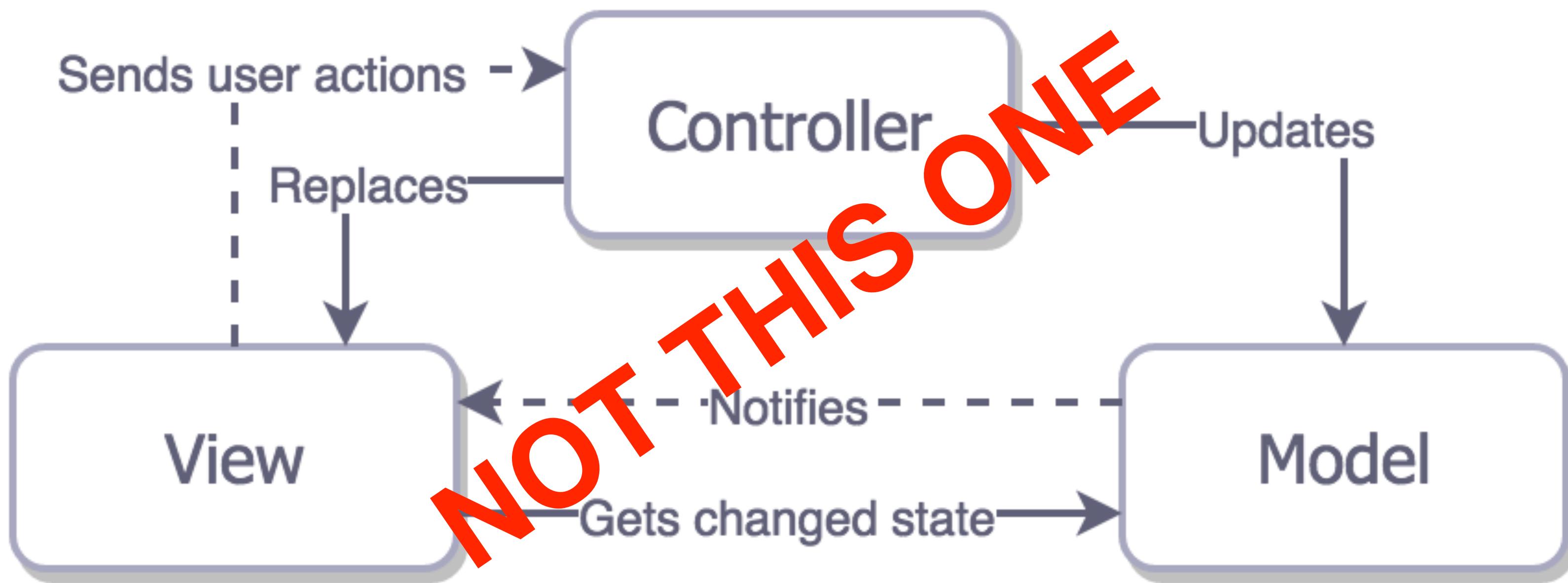
SpriteKit



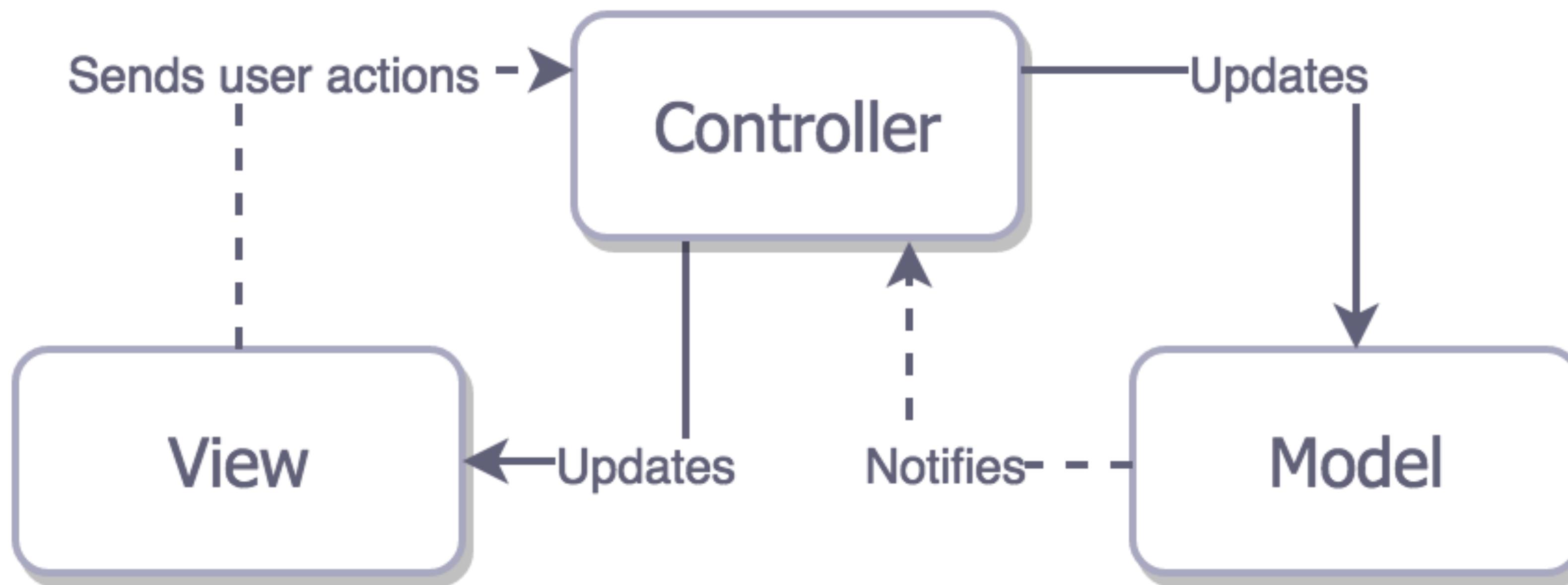
CloudKit

Cocoa Touch follows MVC
software architecture

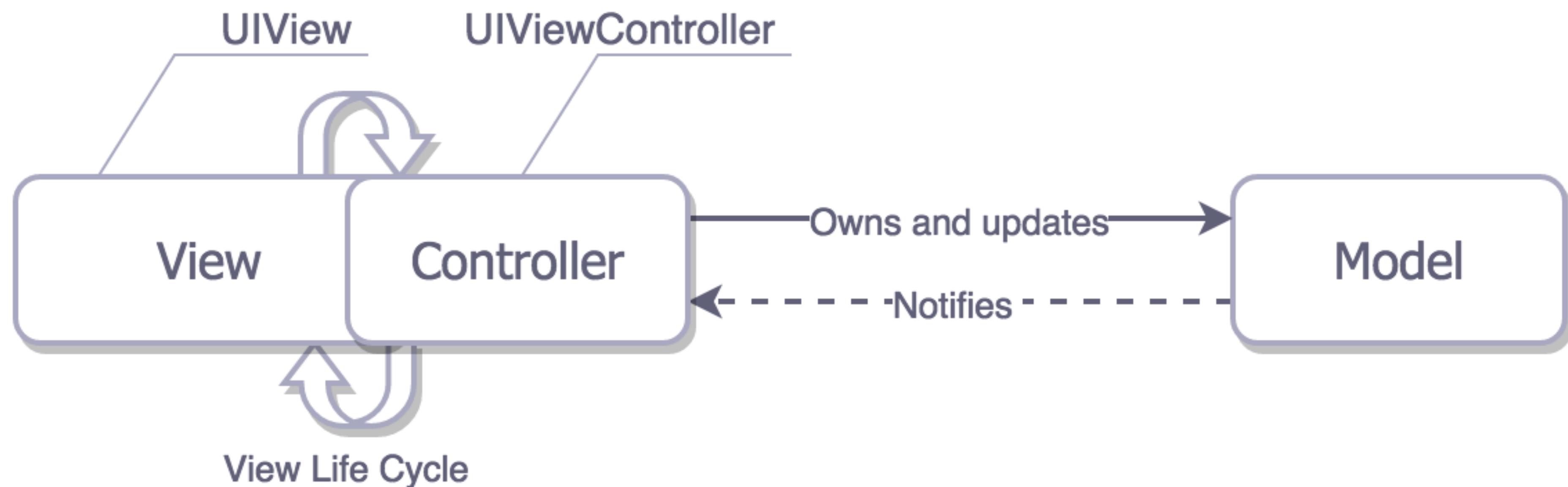




Apple's MVC



Reality . . .





Colin Campbell
@Colin_Campbell

 Seguir



iOS architecture, where MVC stands for
Massive View Controller

 Traducir del inglés

RETWEETS

374

ME GUSTA

233



2:27 - 21 ene. 2013

There are other
architectures based on MVC

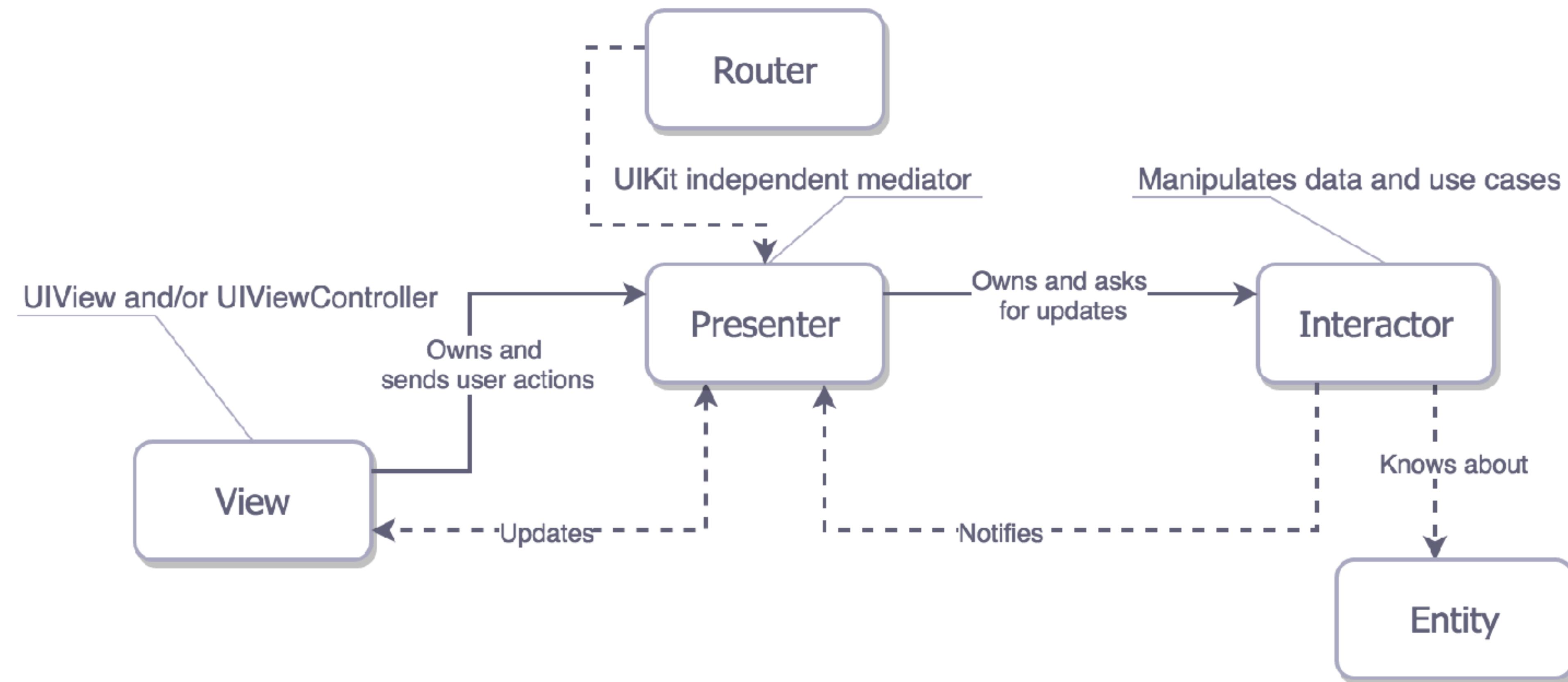
→ MVP

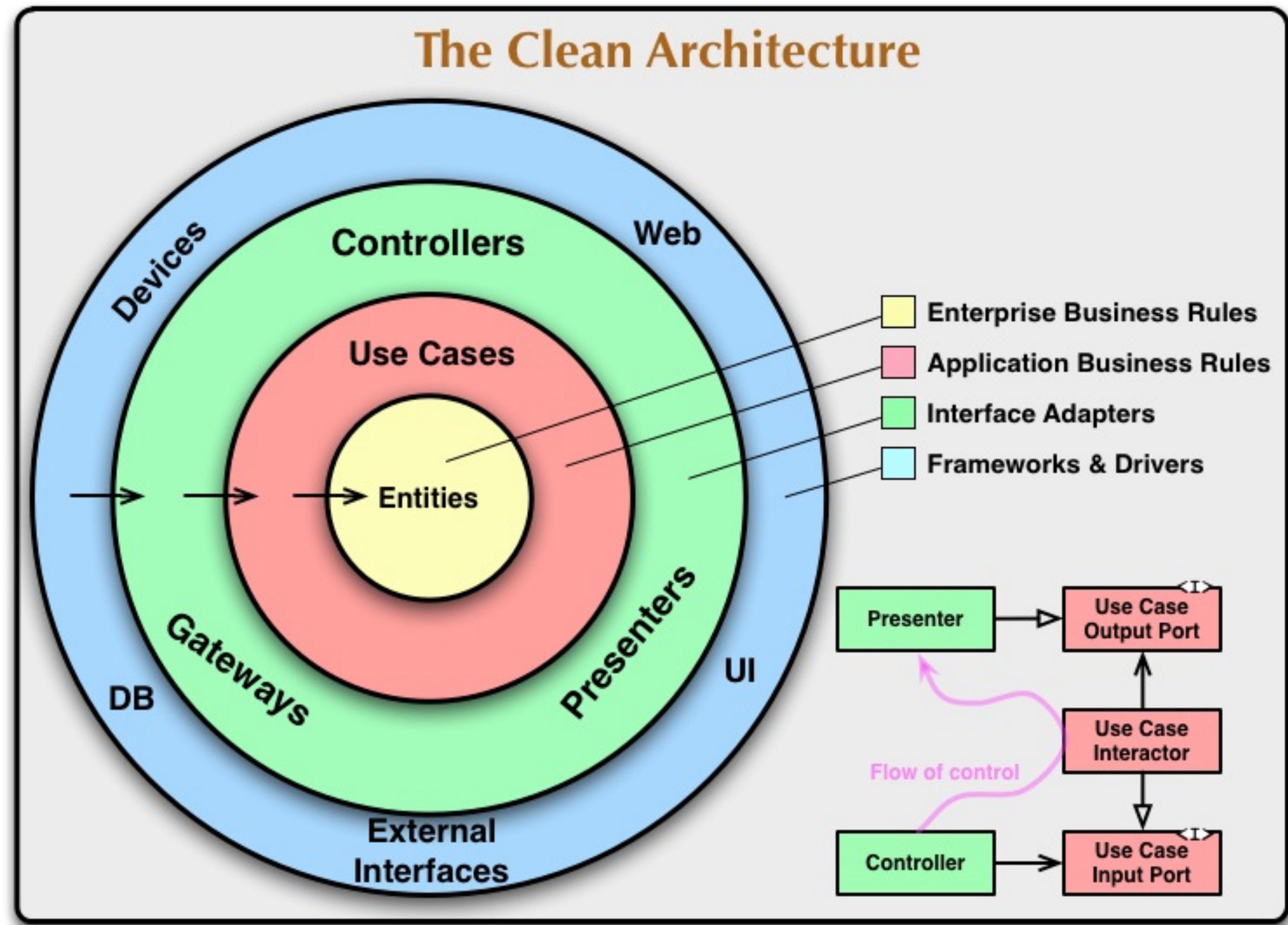
→ MVVM



The search of
the holly mobile
architecture

VIPER





Single Responsibility Principle

View

Display information to the user and
detect user interaction

Presenter

Contains the UI related (UIKit independent)
business logic.

Interactor

Performs business logic.

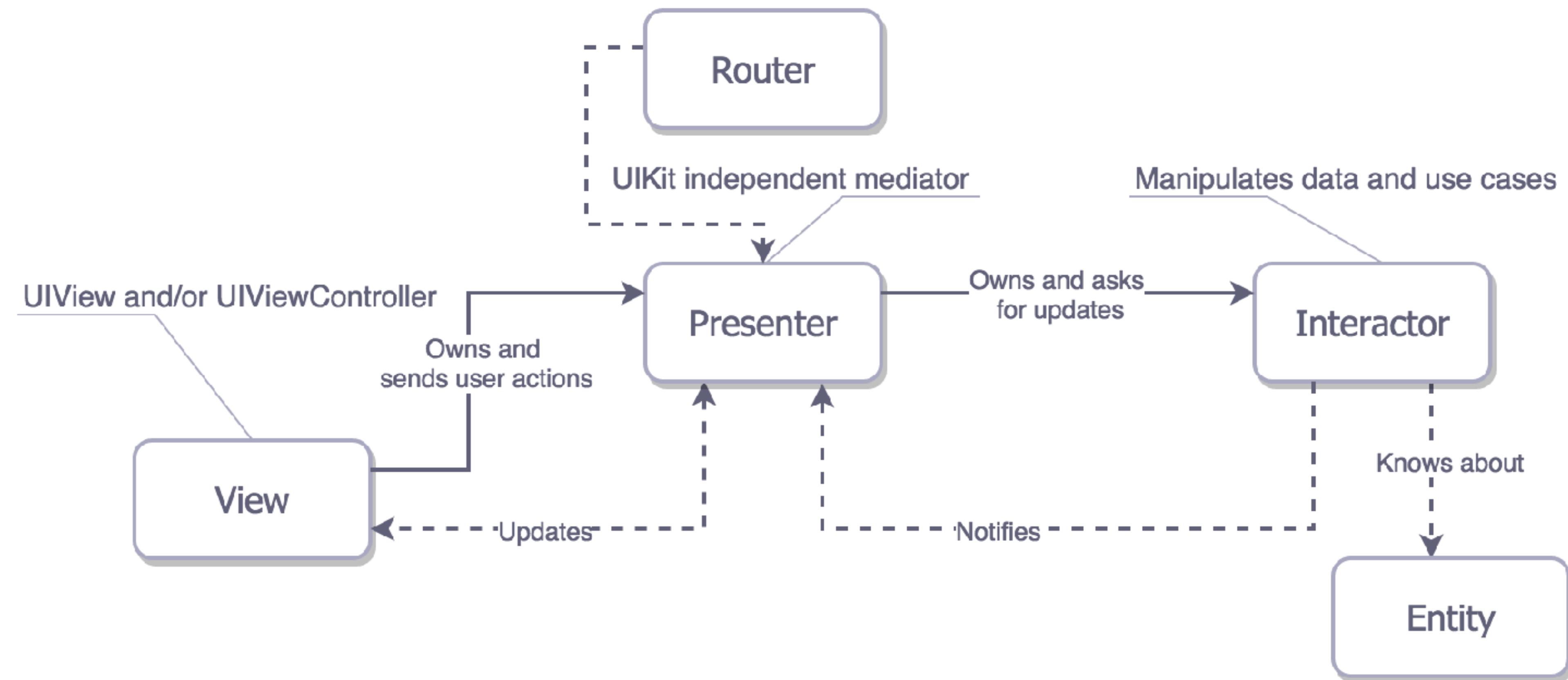
Entities

Plain data objects

Router

Handles navigation between VIPER components.

VIPER



Conclusion

- Separation of concerns
 - Increased testability
 - Reusability
 - Spaghetti code
 - Verbosity
 - complex for small projects

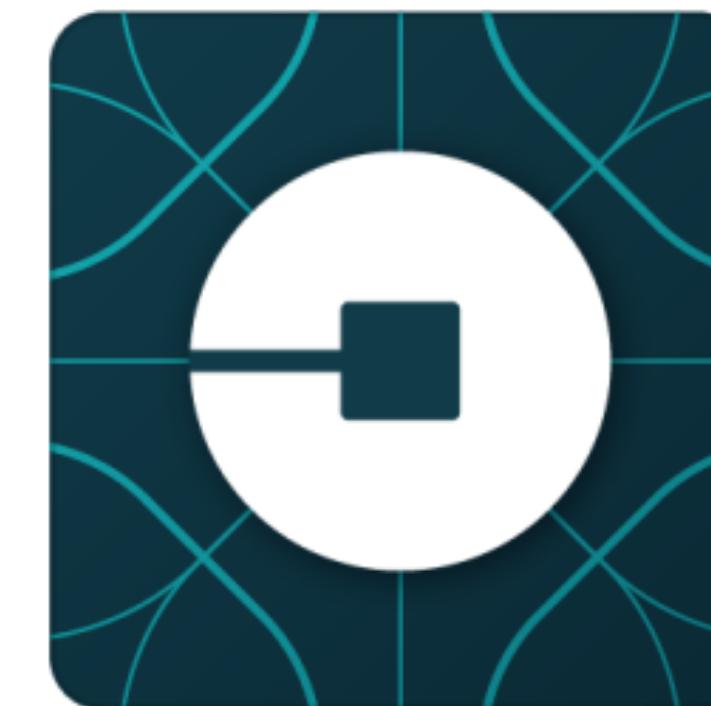
Conclusion



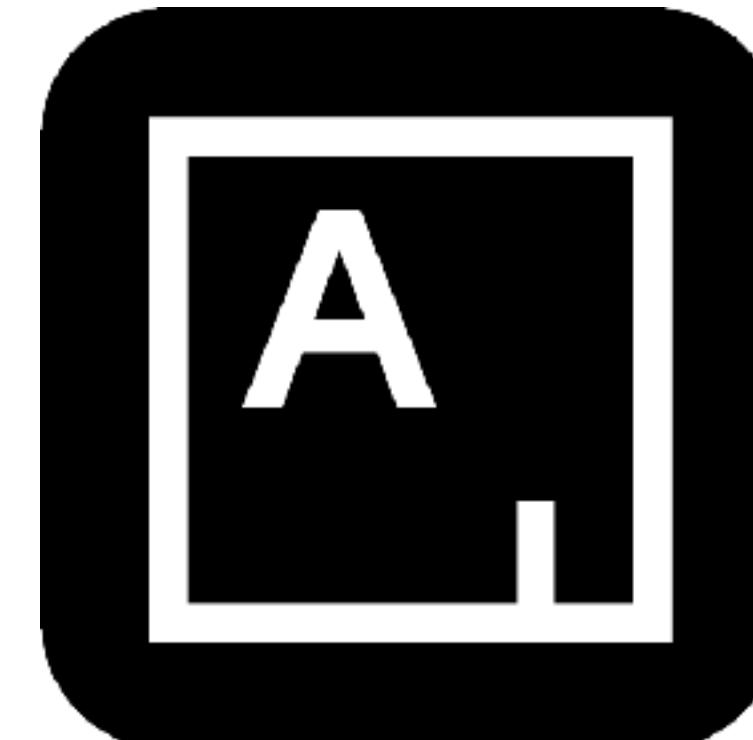
→ complex for small projects

Who uses Cocoa Touch?

Every native iOS App is built with Cocoa Touch.



built using VIPER:



Languages in Cocoa Touch

Cocoa Touch is written in Objective-C, C O.O. & Swift

You can use



Objective-C

or



Swift

Questions?

@NaufalAros

Resources and further reading

- <https://medium.com/ios-os-x-development/ios-architecture-patterns-ecba4c38de52>
- <https://www.objc.io/issues/13-architecture/viper/>
- Cocoa Design Patterns: <https://goo.gl/pFFbKz>
- Artsy App: <https://github.com/artsy/eigen>
- Clean Architecture: <https://goo.gl/wg7gPJ>
- Viper Demo: <https://github.com/objcio/issue-13-viper>
- Apple WWDC16 (What's new in Cocoa): <https://goo.gl/vYtcML>