

# 

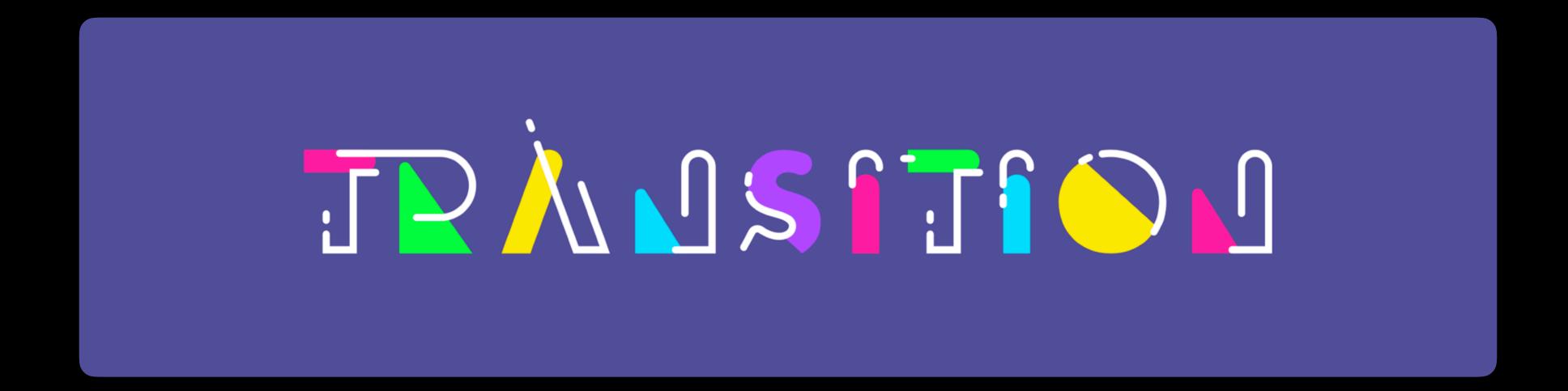






# 





easy interactive interruptible custom view controller transitions





easy interactive interruptible custom view controller transitions







1. Demo



- 1. Demo
- 2. Slides



- 1. Demo
- 2. Slides
- 3. Coding demo



# Demo

1. Where?

- 1. Where?
- 2. What?

- 1. Where?
- 2. What?
- 3. How?

Where?





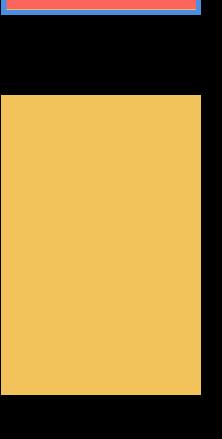




Navigation



Navigation





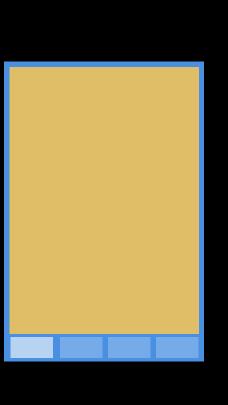
Navigation

Modal



Navigation

Modal





Navigation

Modal

Tab Bar

What?







**Custom Transition** 





**Custom Transition** 

2

Interactive Custom Transition





**Custom Transition** 



Interactive Custom Transition



Interactive Custom Transition with a Shared Element



1 Custom Transition



1 Custom Transition

You provide the transition animation



- 1 Custom Transition
  - You provide the transition animation
  - iOS provides any available interaction (interactive pop)



2 Interactive Custom Transition



2 Interactive Custom Transition

You provide the transition animation



- 2 Interactive Custom Transition
  - You provide the transition animation
  - You provide the transition interaction



- 2 Interactive Custom Transition
  - You provide the transition animation
  - You provide the transition interaction

The interaction drives the pacing of the animation:



- 2 Interactive Custom Transition
  - You provide the transition animation
  - You provide the transition interaction

The interaction drives the pacing of the animation:

Speed up



- 2 Interactive Custom Transition
  - You provide the transition animation
  - You provide the transition interaction

The interaction drives the pacing of the animation:

- Speed up
- Slow down



- 2 Interactive Custom Transition
  - You provide the transition animation
  - You provide the transition interaction

The interaction drives the pacing of the animation:

- Speed up
- Slow down
- Reverse



Interactive Custom Transition with a Shared Element



Interactive Custom Transition with a Shared Element

You provide the transition animation



- Interactive Custom Transition with a Shared Element
  - You provide the transition animation
  - You provide the transition interaction



- Interactive Custom Transition with a Shared Element
  - You provide the transition animation
  - You provide the transition interaction
  - You provide the transition's shared element



- Interactive Custom Transition with a Shared Element
  - You provide the transition animation
  - You provide the transition interaction
  - You provide the transition's shared element

The shared element is moved interactively between the fromView and toView in a transition.

How?



Start	<u>End</u>





Start End











	Start	End
Animation		
Interaction		

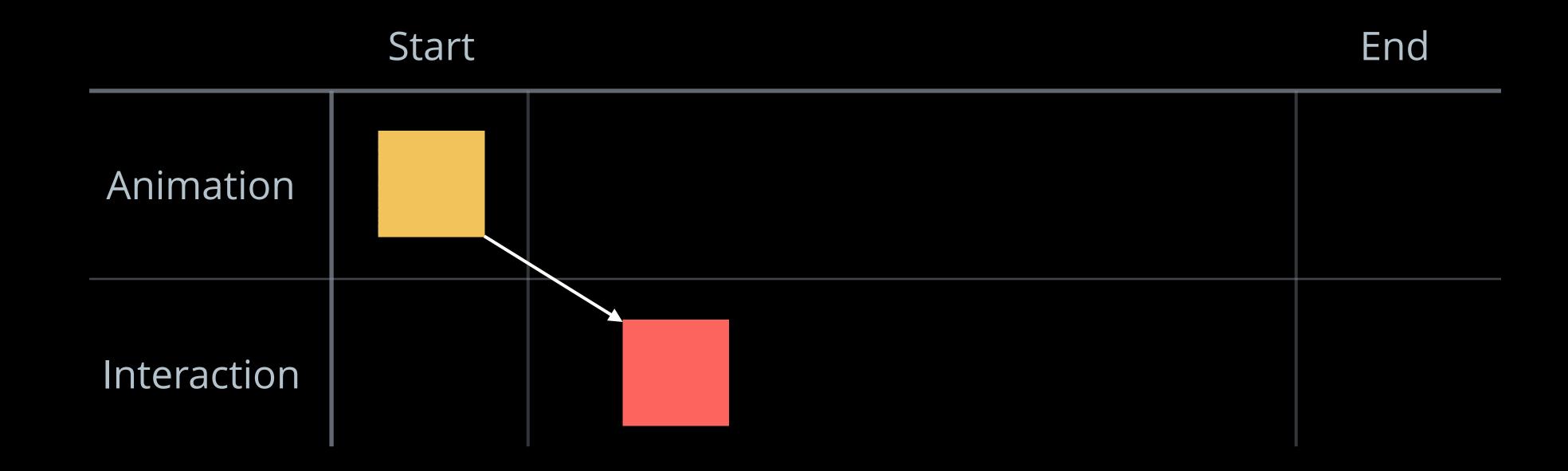


	Start	End
Animation		
Interaction		

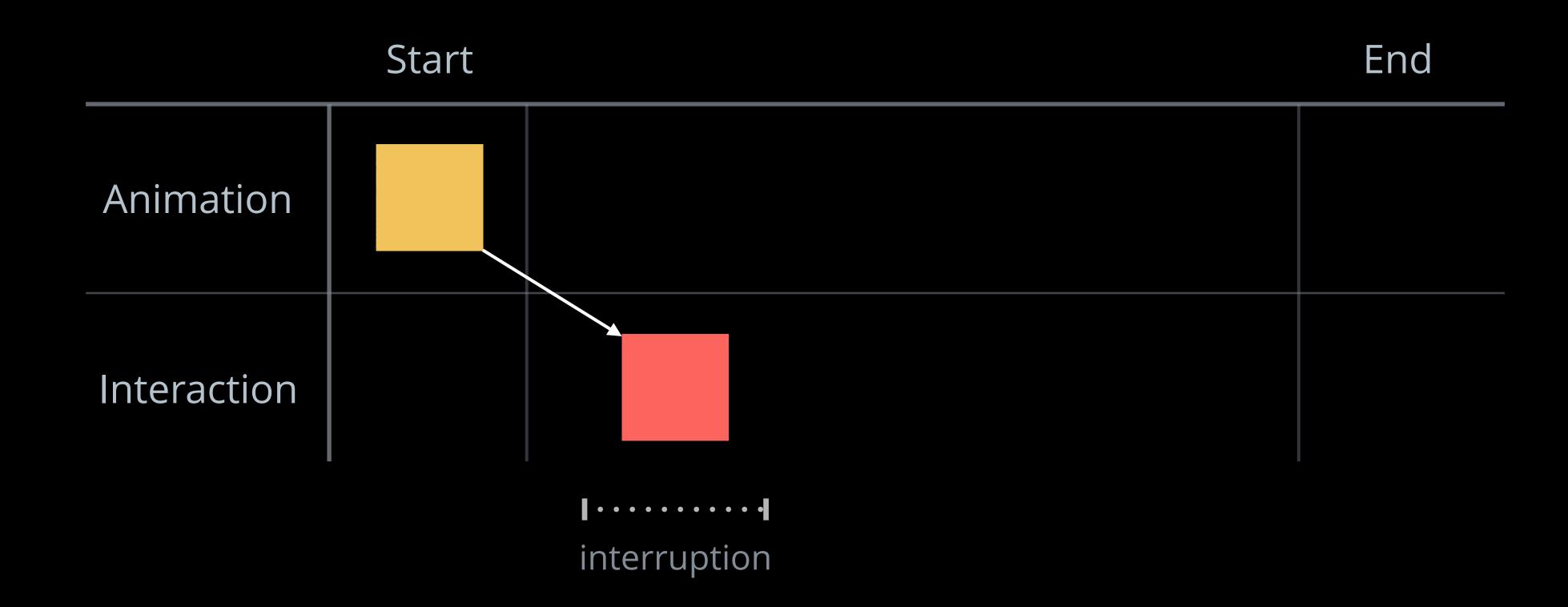


	Start	End
Animation		
Interaction		

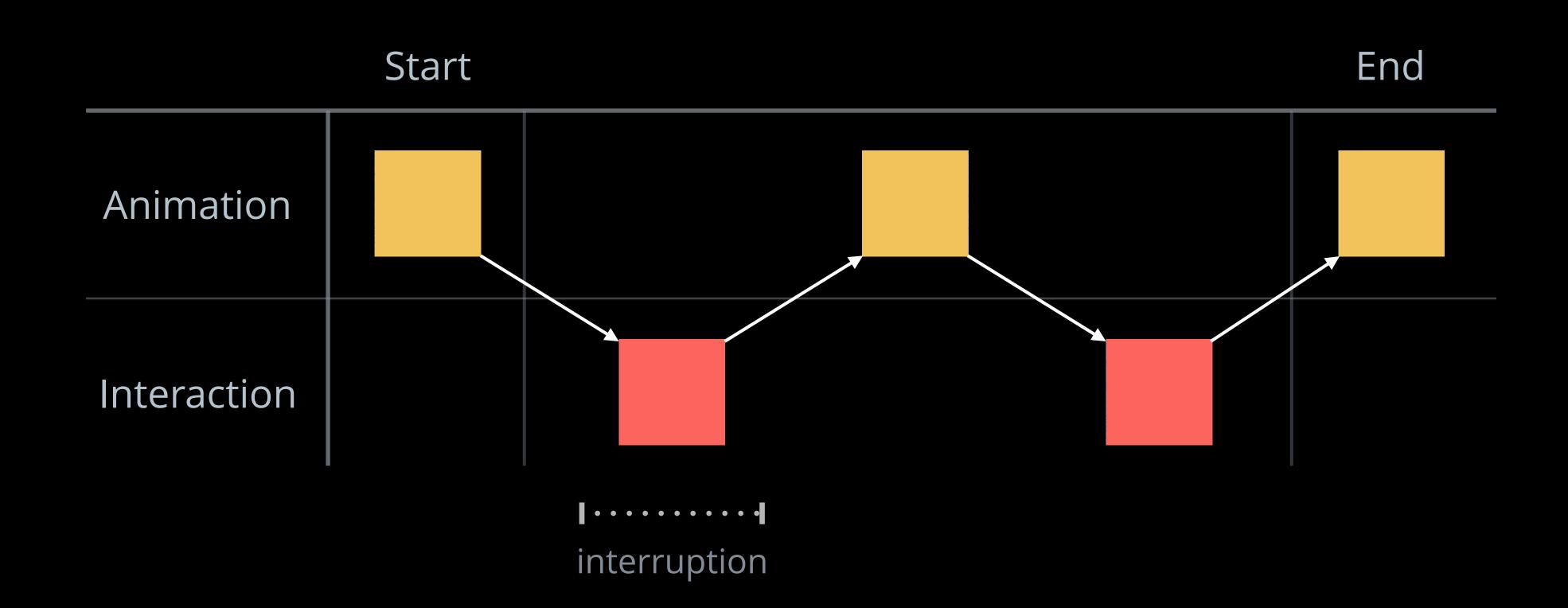






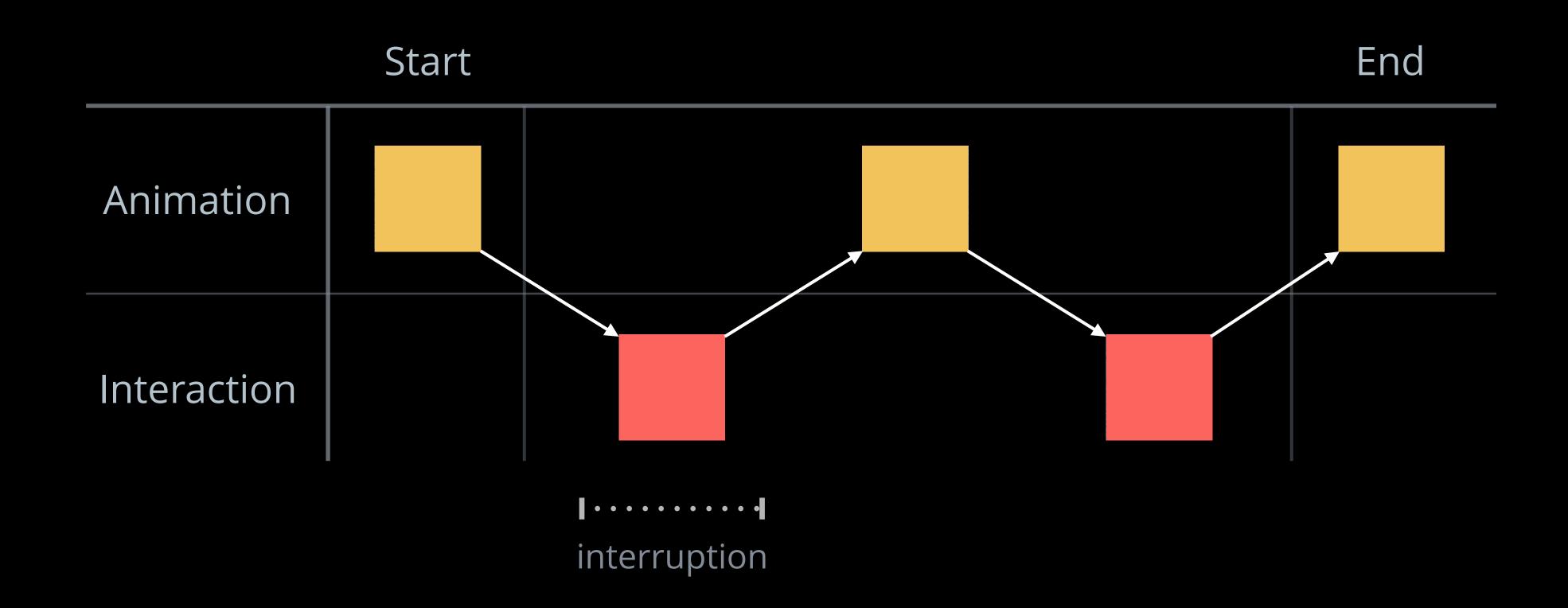






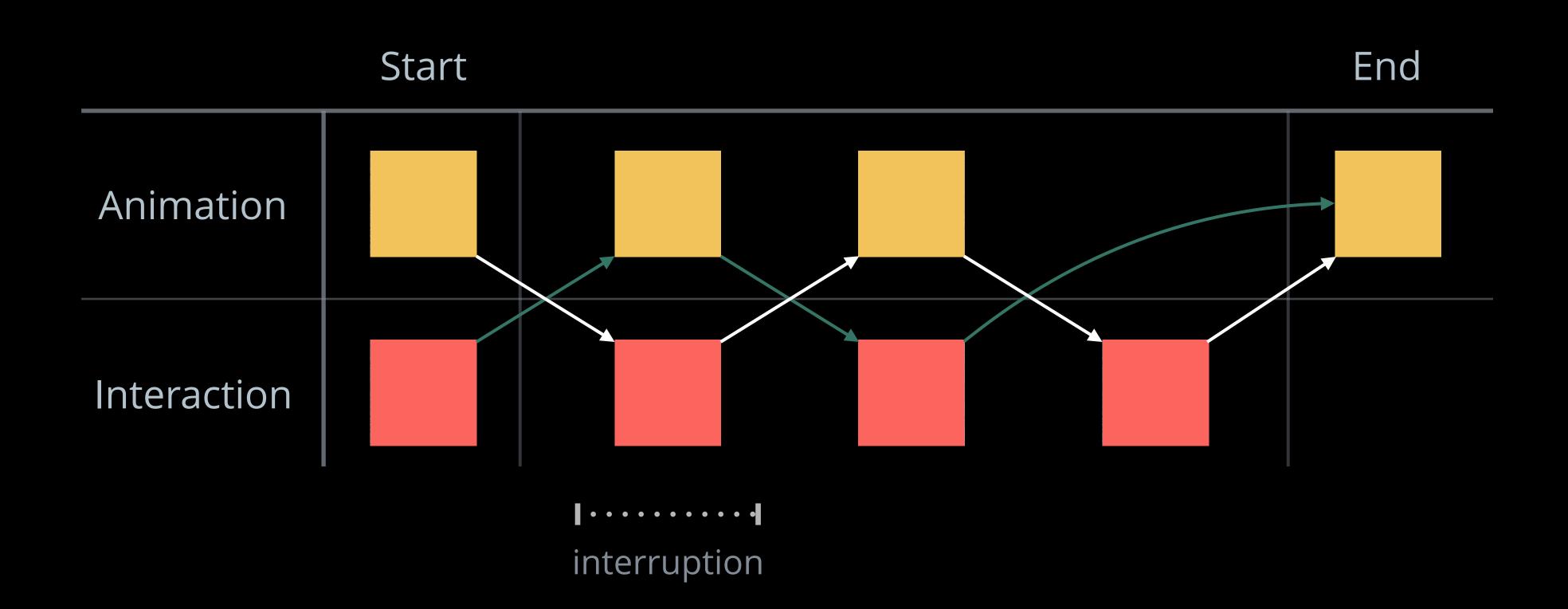


"user transition"





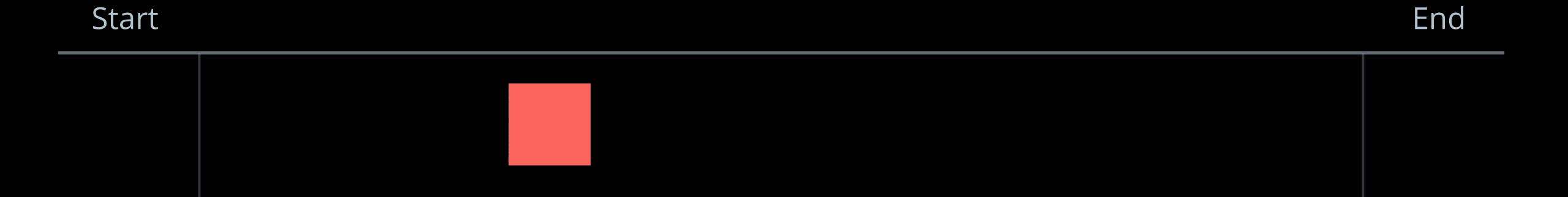
"user transition"



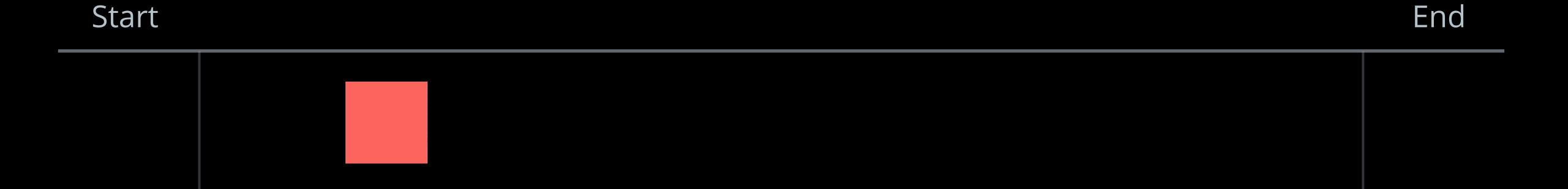




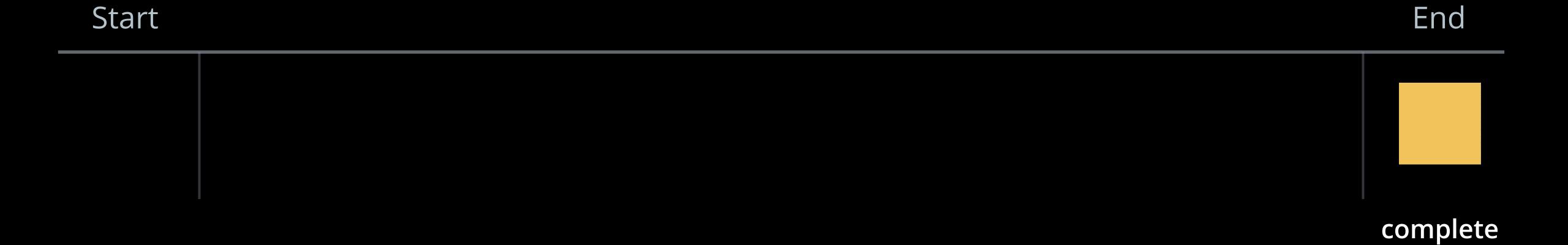








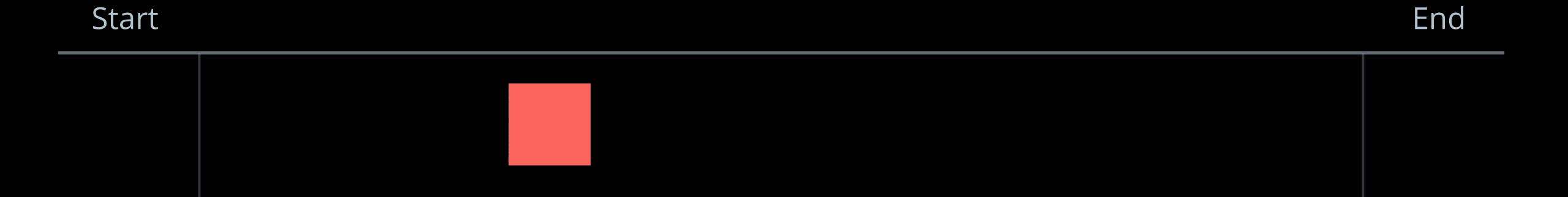




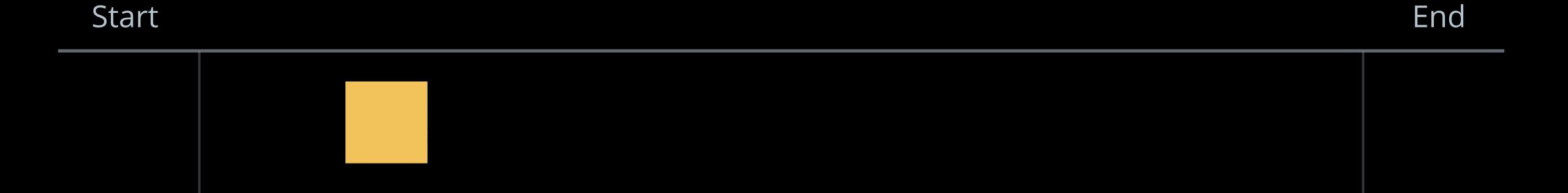




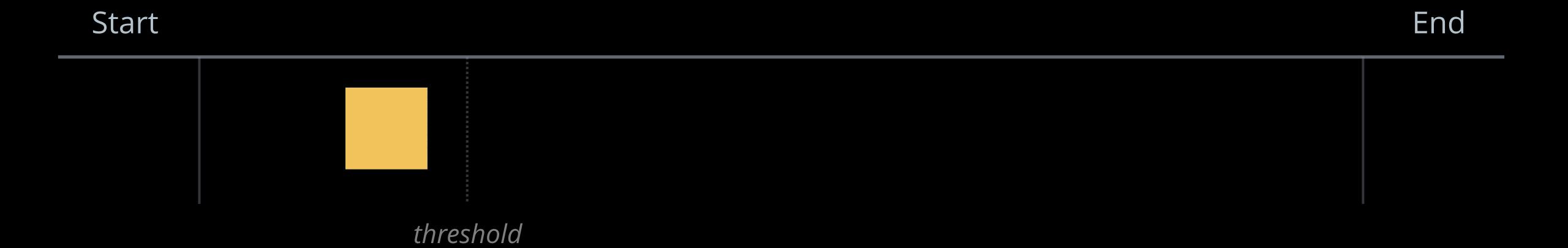




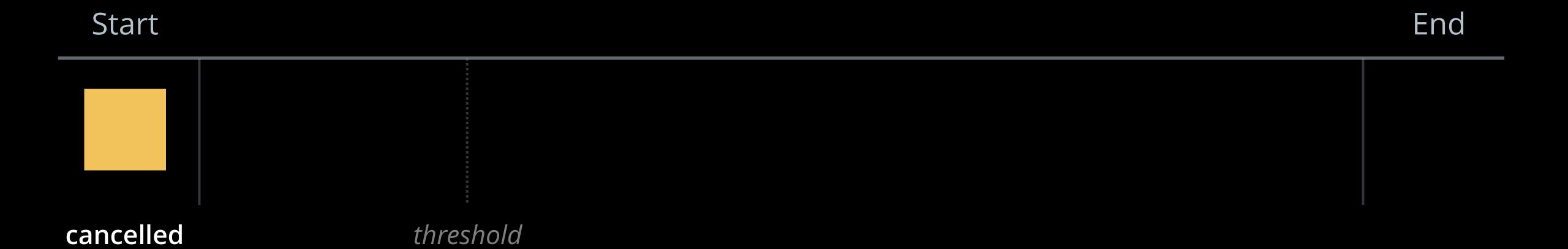








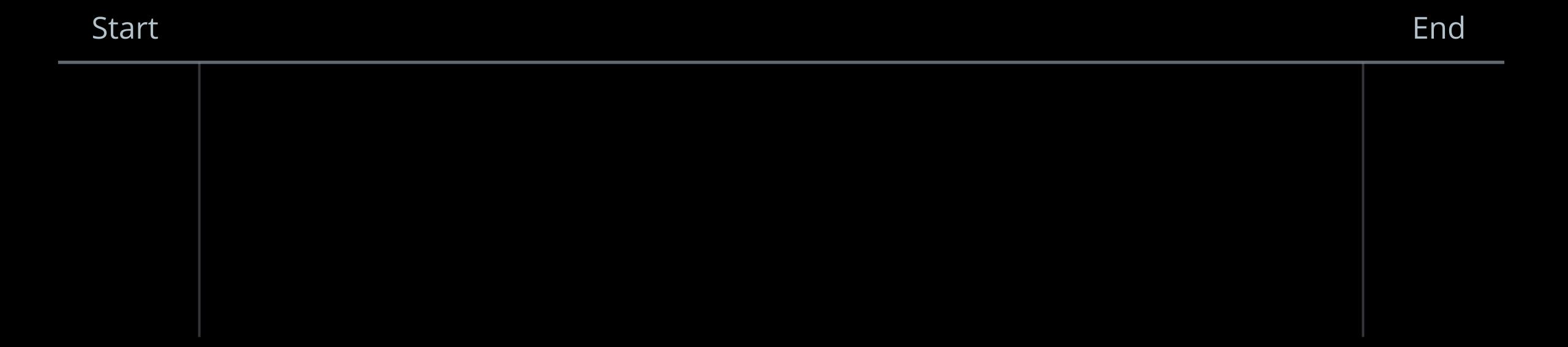




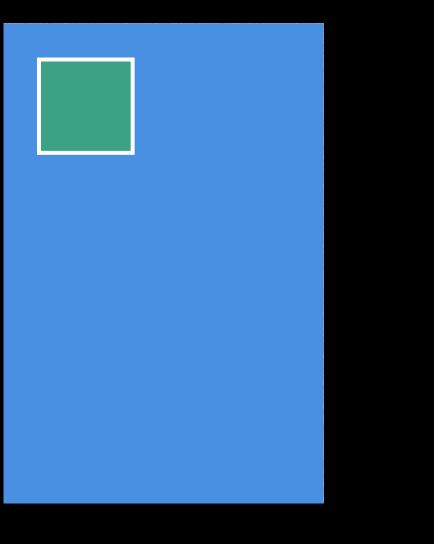


Start	End



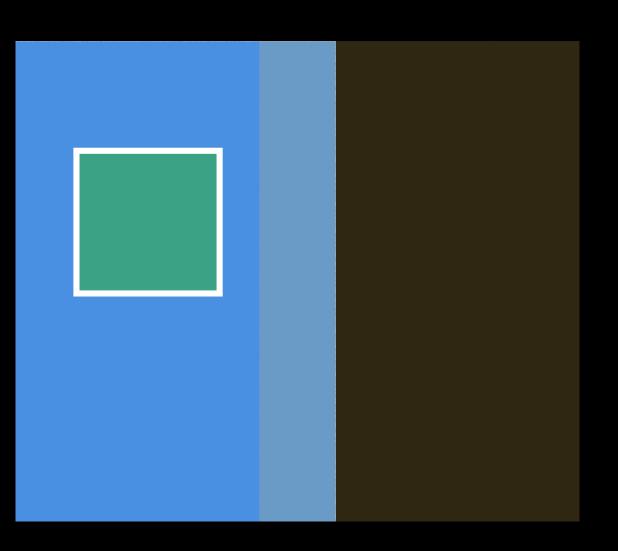






Start End



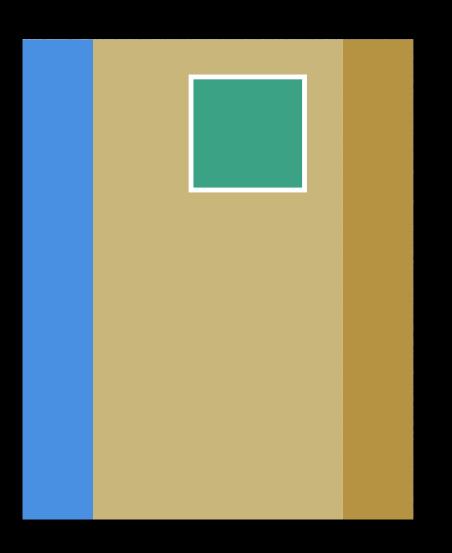


Start

UIViewPropertyAnimator

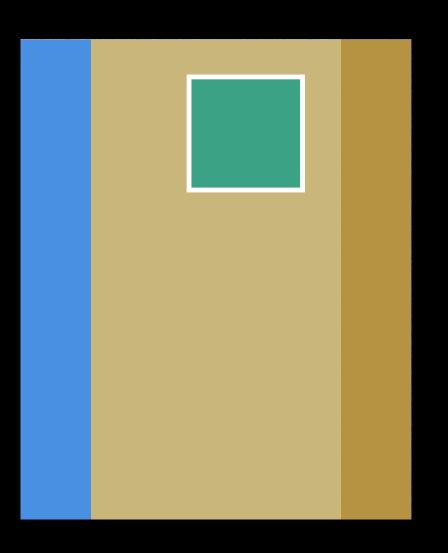
UIViewPropertyAnimator



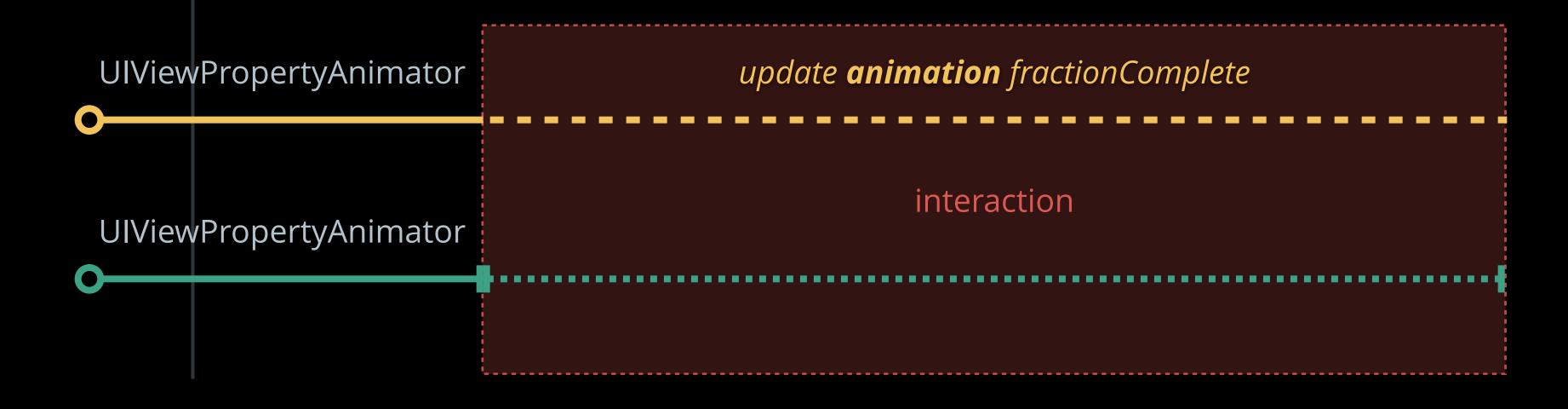




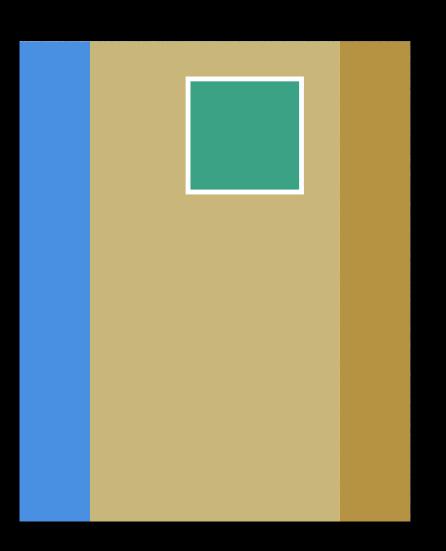




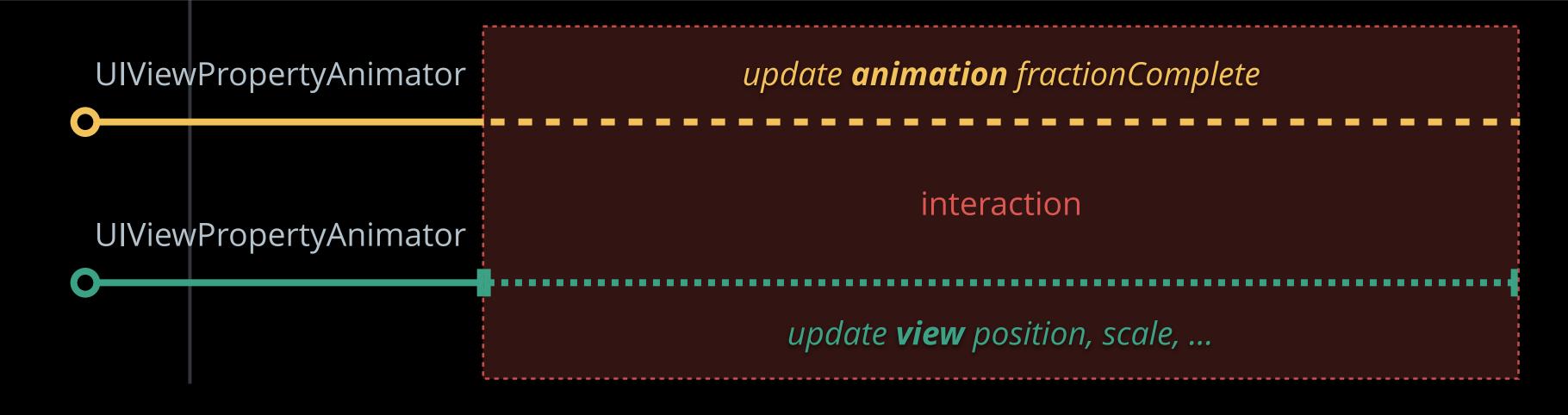
Start



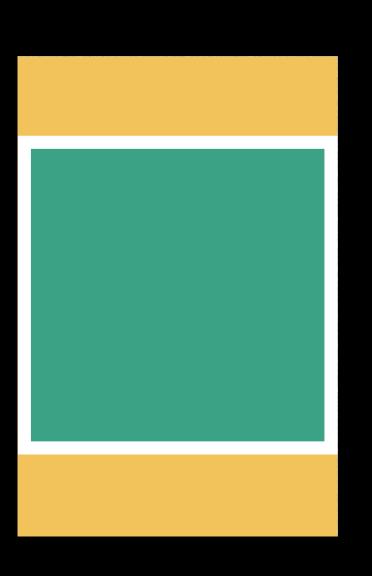


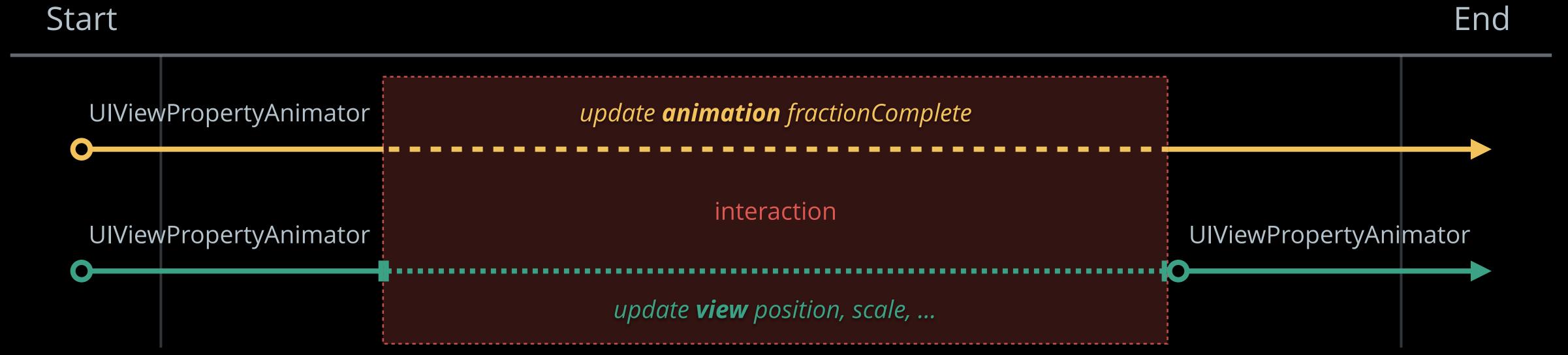


Start











# Ingredients



# Ingredients



UlTabBar Controller UlNavigationController



UlViewController UlViewController UlViewController UlViewController



UProperty Animator
UIViewController
UIProperty Controller
UIProperty Controller
UIViewINavigationController



UlGestureRecognizer
UlViewController
UlProperty Animator
UlViewController
UlProperty Controller



UlGesture Peroperty Animator UlView Controller UlTabBar Controller UlTabBar Controller UlView Controller



Ul Gesture Coproperty Animator Ul View Controller Ul Tabbar Gerty Animator Ul Tabbar Gerty Animator Ul Tabbar Gerty Animator Ul Tabbar Gerty Controller Controller



Ulproperty Animator

Ulview Controller



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ANIMATION • INTERACTION • SHARED ELEMENT



ANIMATION • INTERACTION • SHARED ELEMENT

Single Responsibility components



ANIMATION • INTERACTION • SHARED ELEMENT

Single Responsibility components

You specify them



ANIMATION • INTERACTION • SHARED ELEMENT

Single Responsibility components

You specify them

Transition ties them together





TransitionController



TransitionController

### "operationController"

UINavigationController UITabBarContoller UIViewController



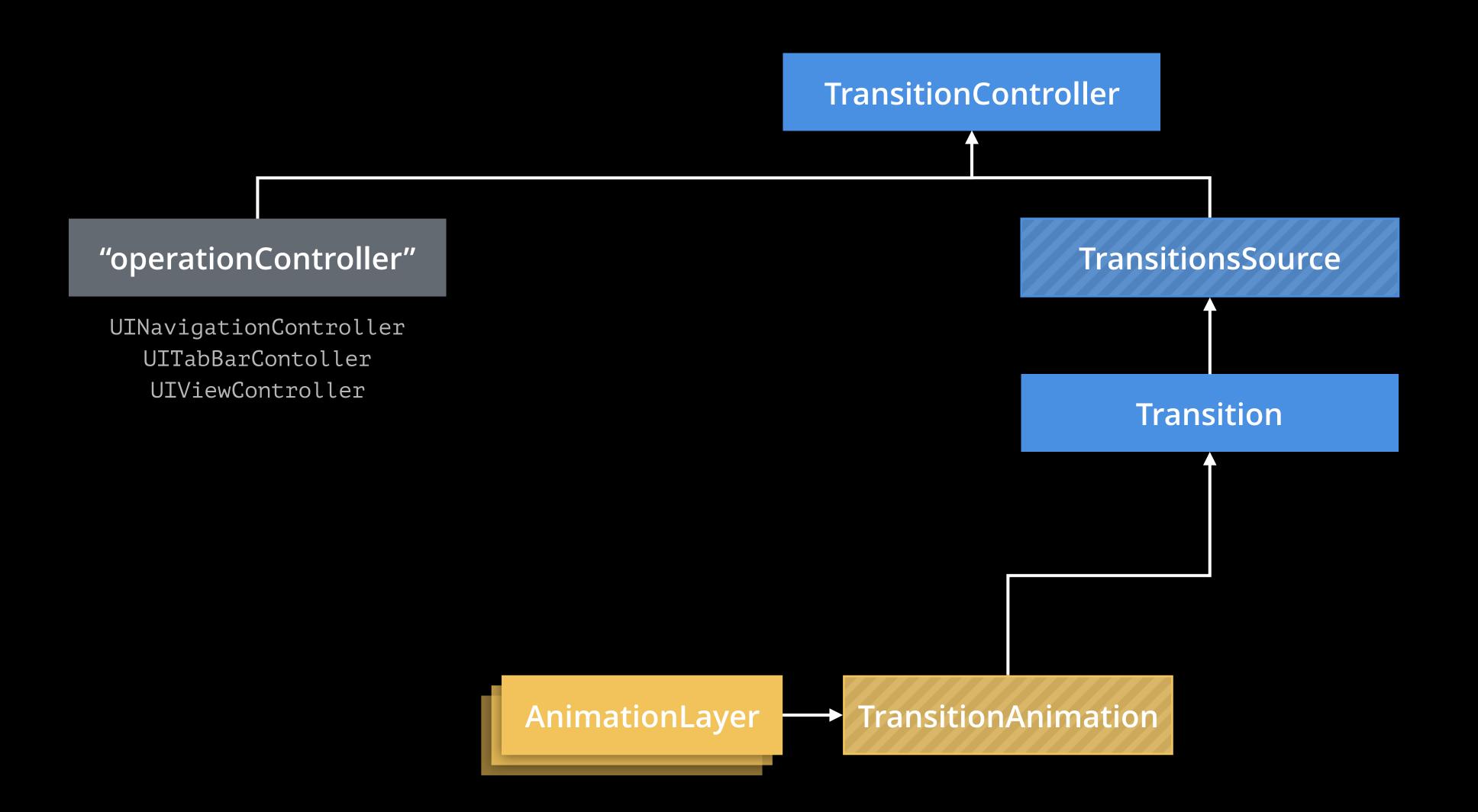


UINavigationController UITabBarContoller UIViewController

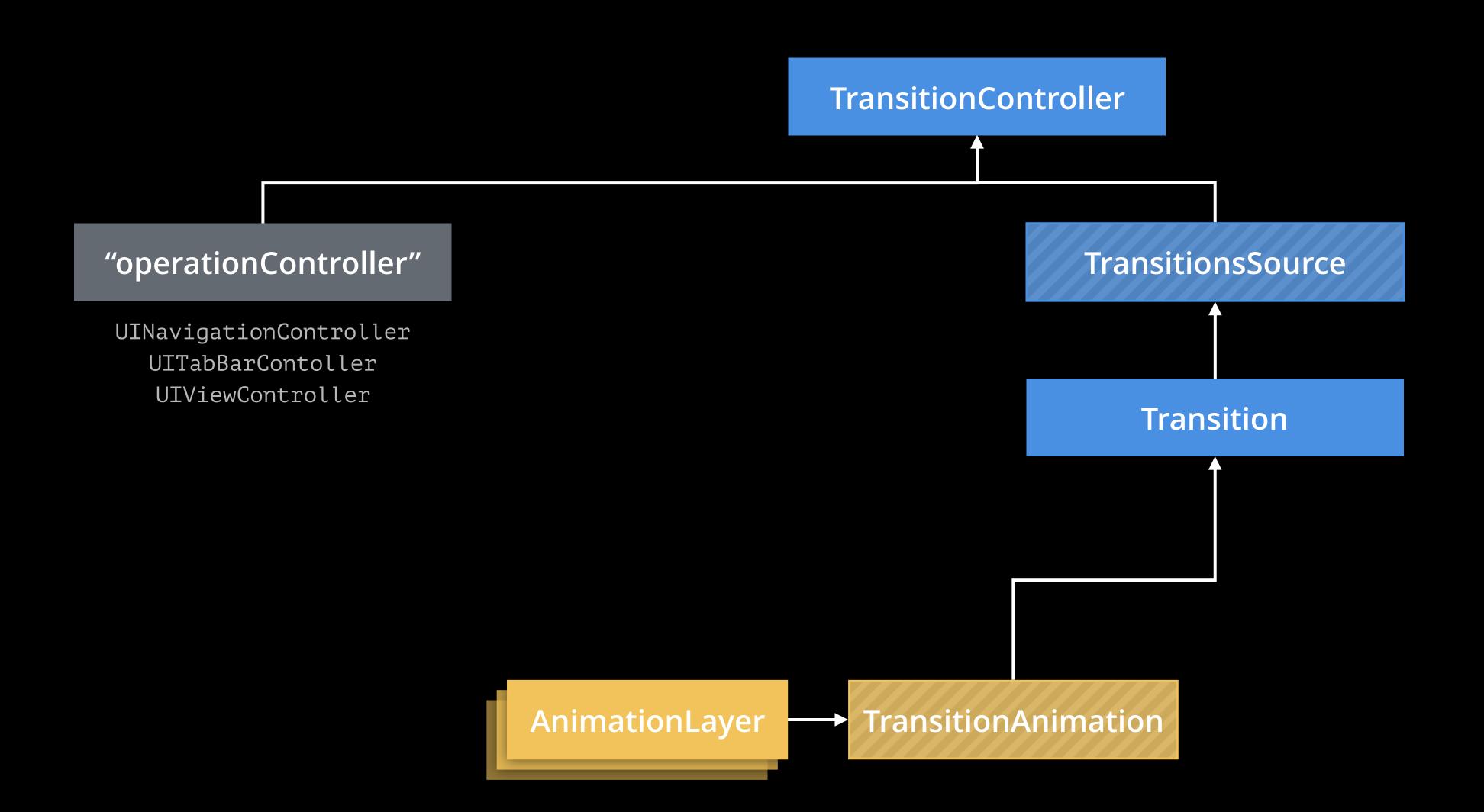




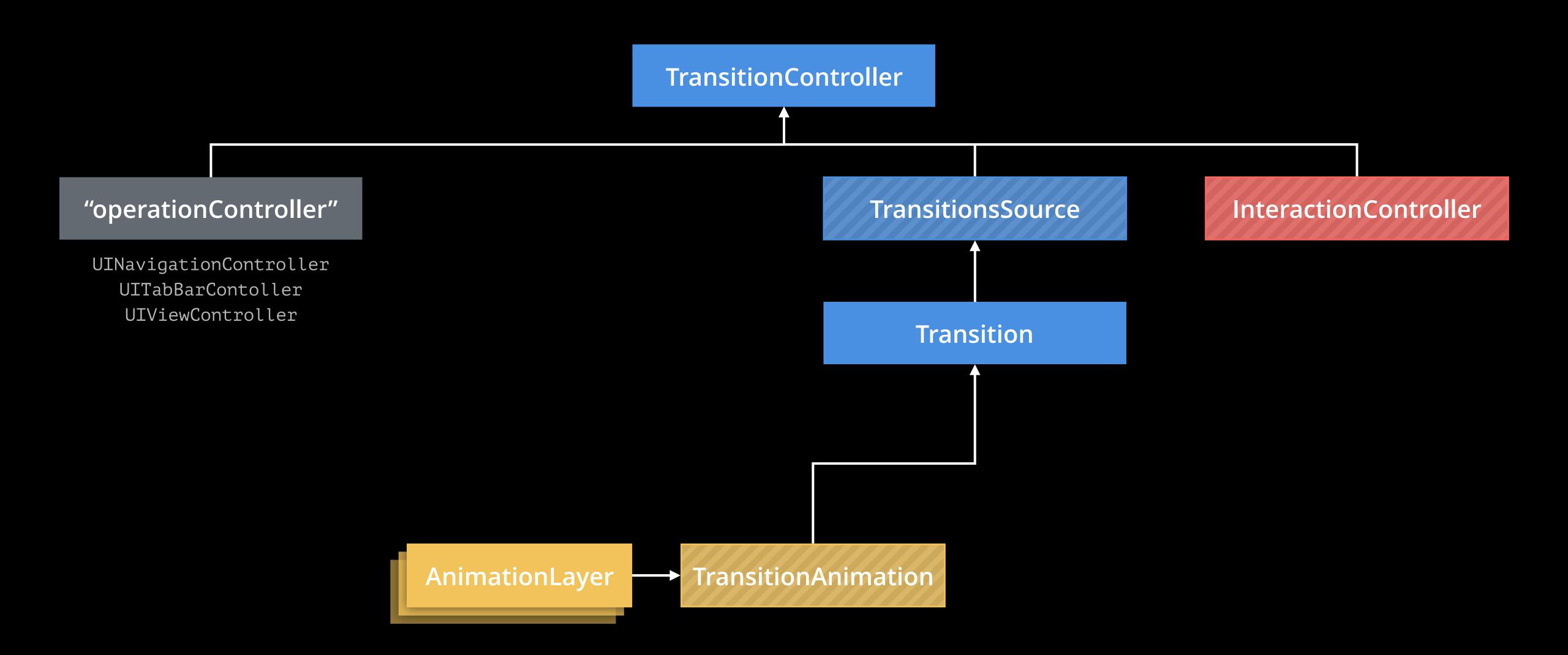




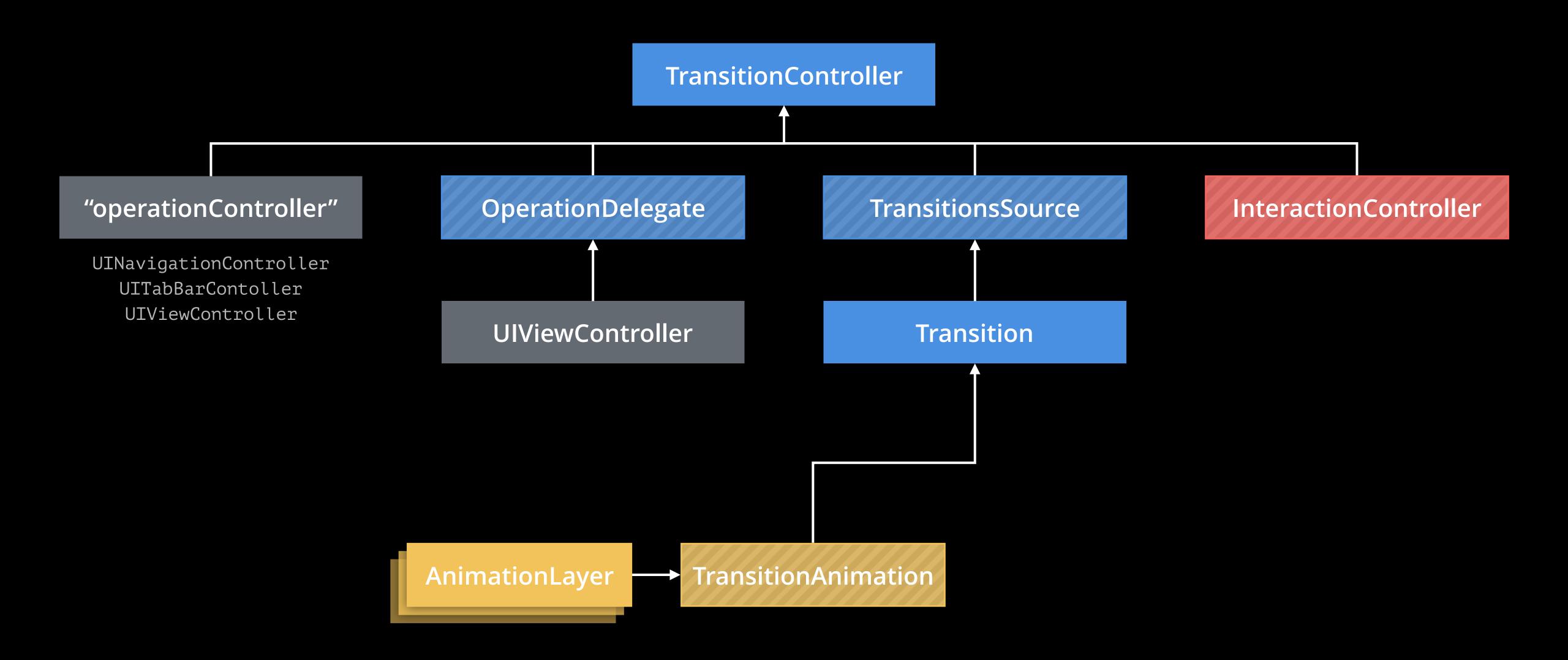




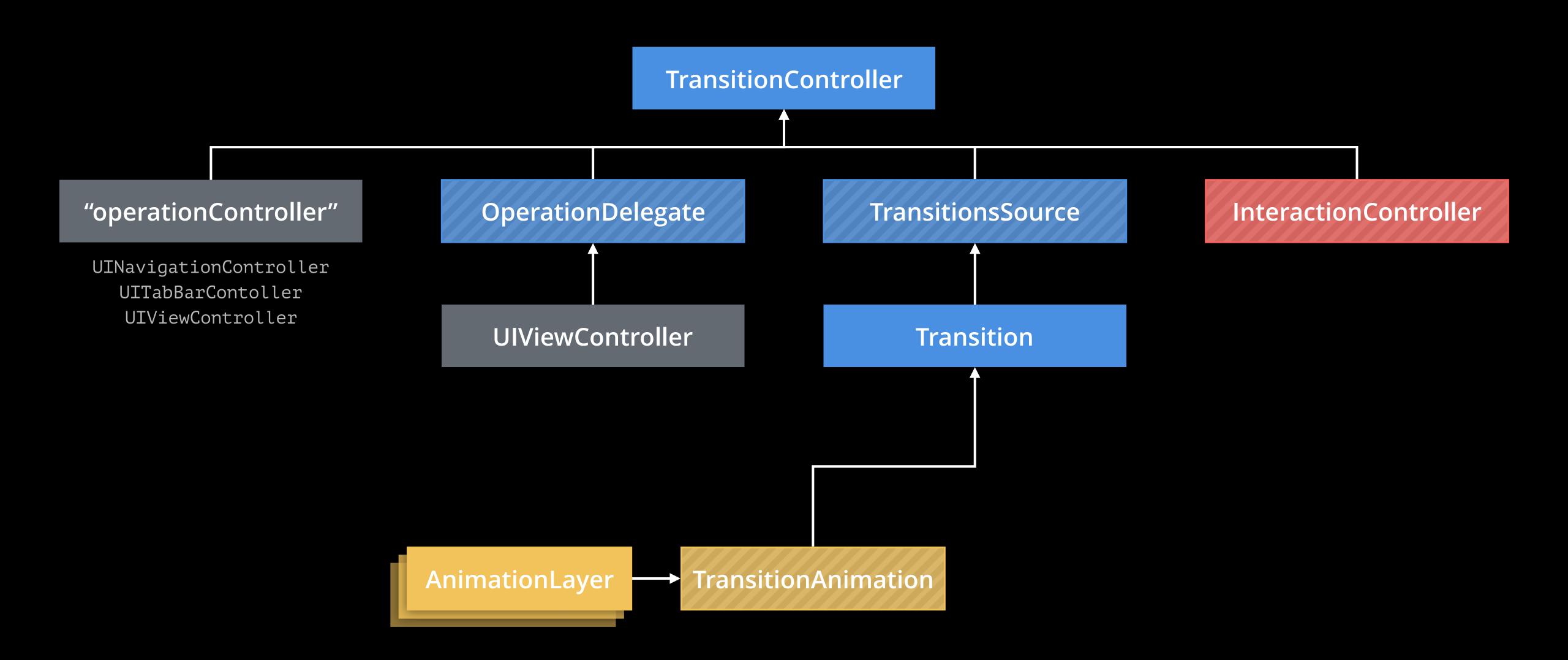




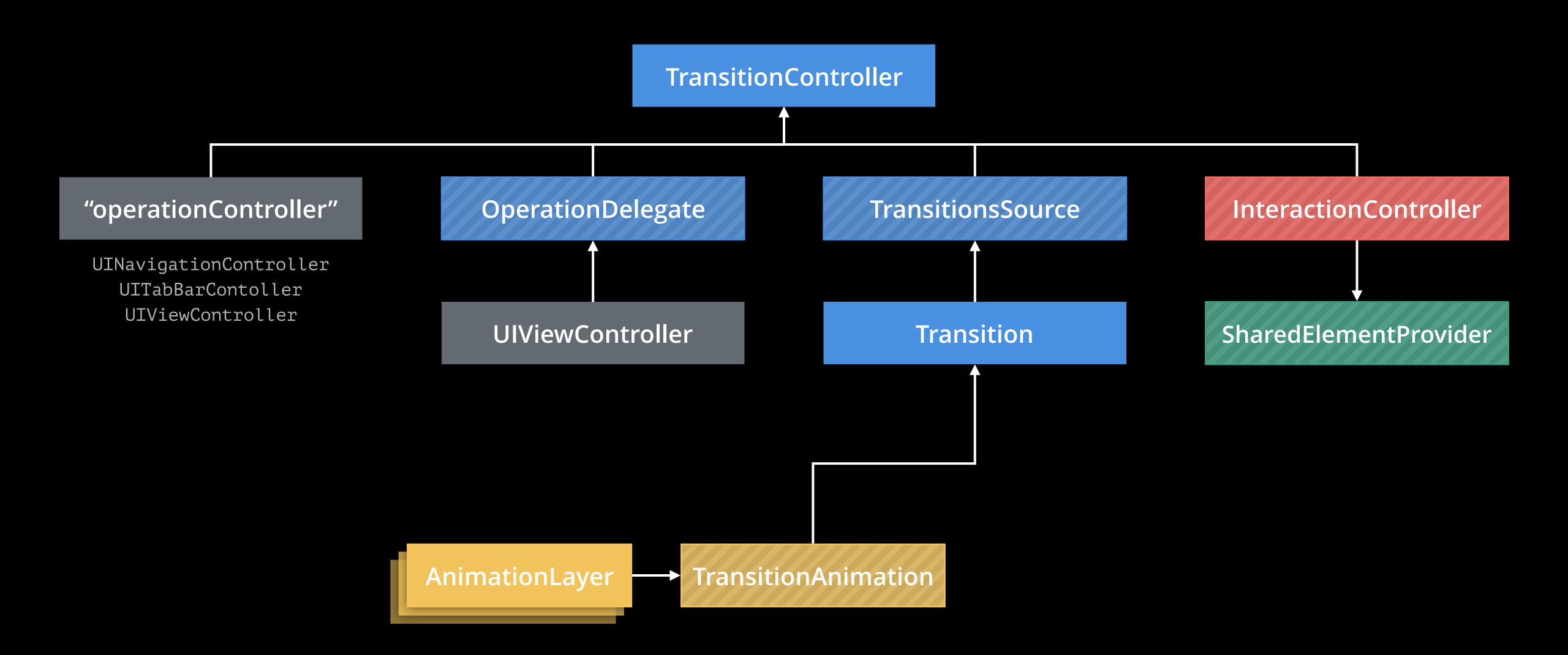




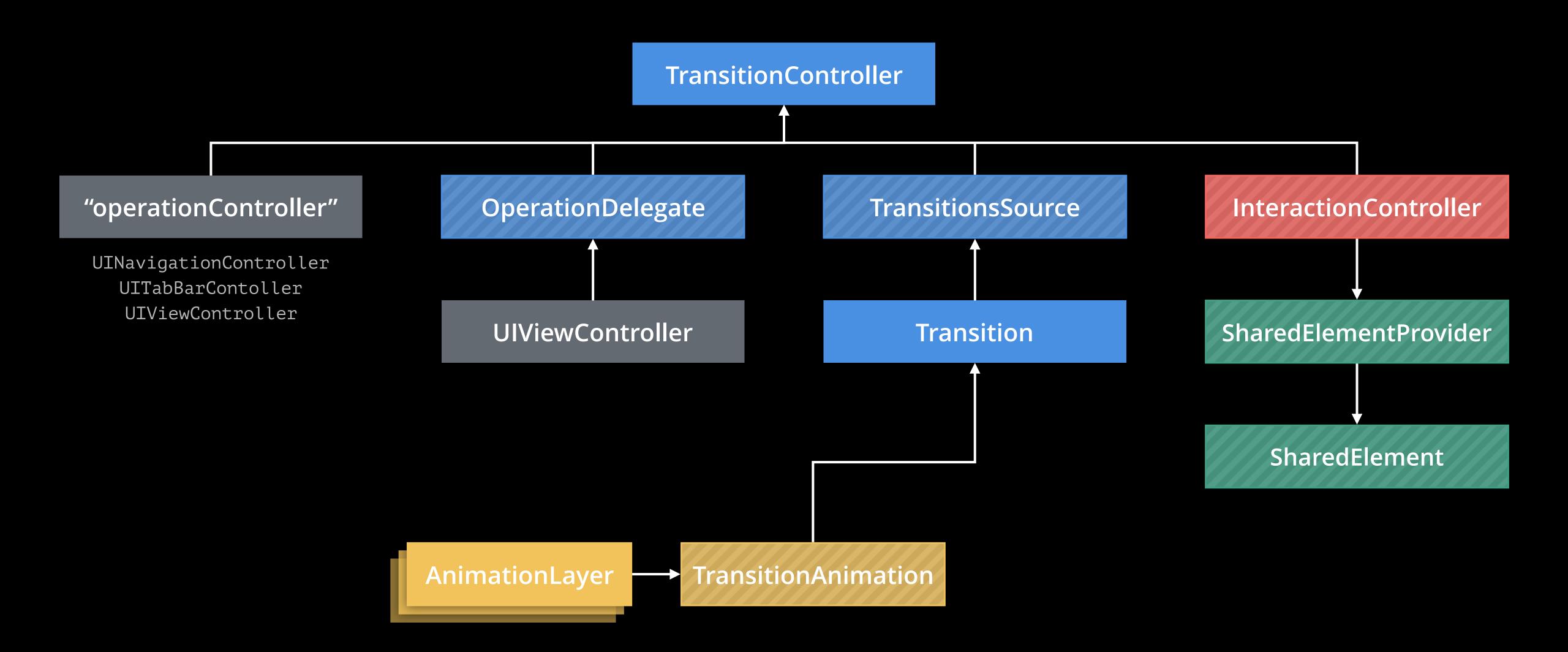




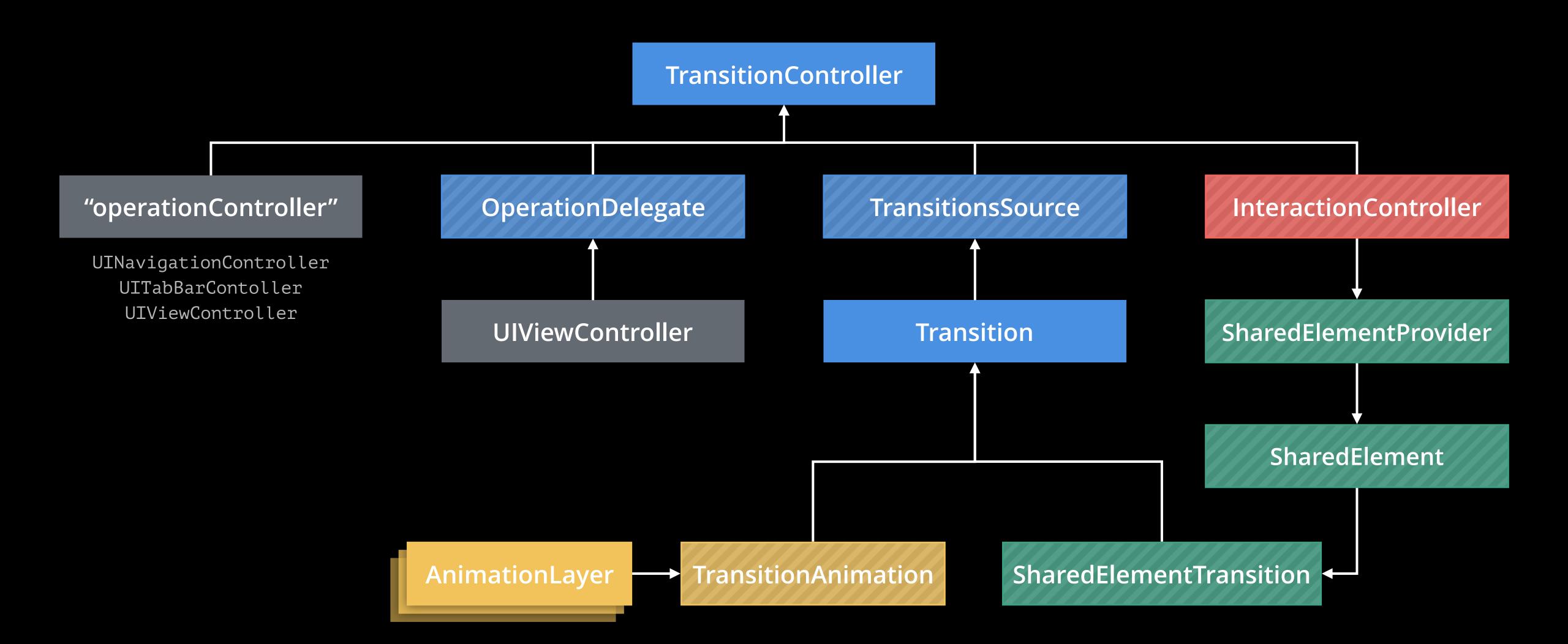




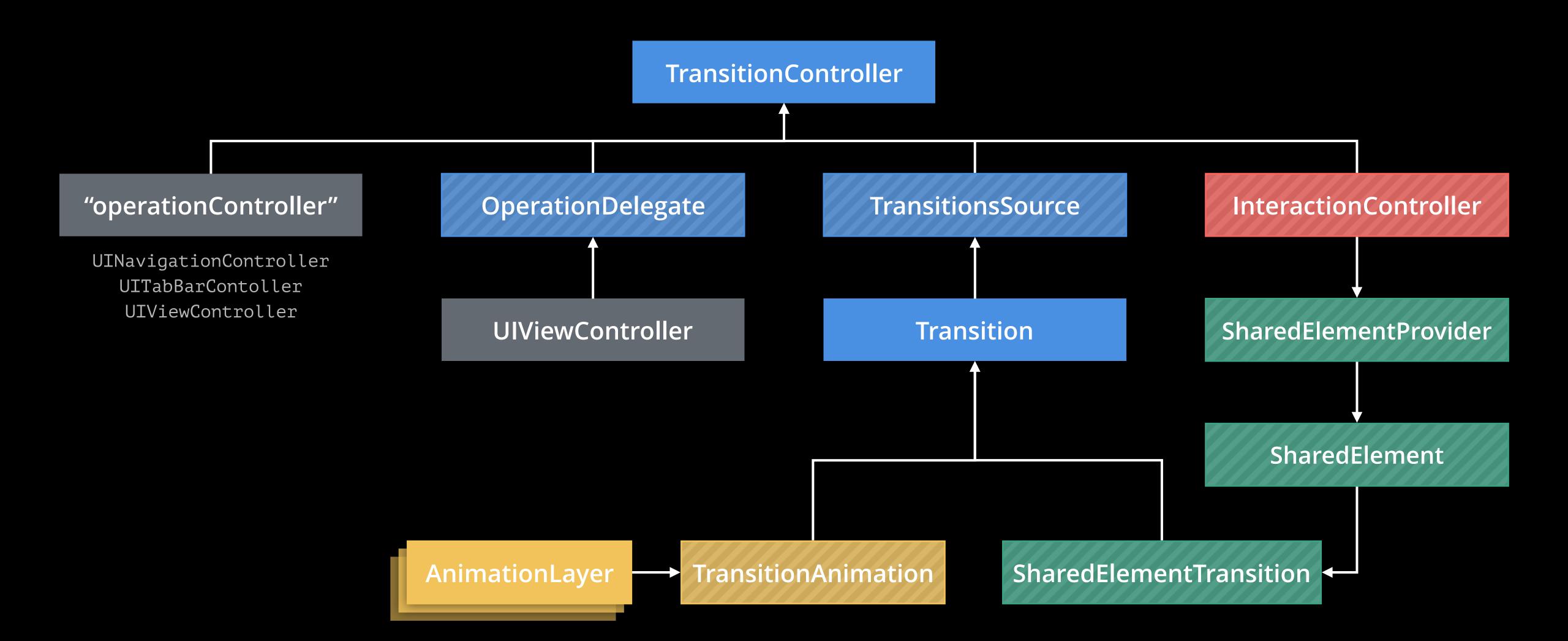














# Coding Demo

# Thank you!

https://github.com/Touchwonders/Transition





# Thank you!

https://github.com/Touchwonders/Transition 🜟







https://github.com/Touchwonders/Transition





### iOS Engineer

https://touchwonders.homerun.co/ios-software-engineer

### User Experience Designer

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