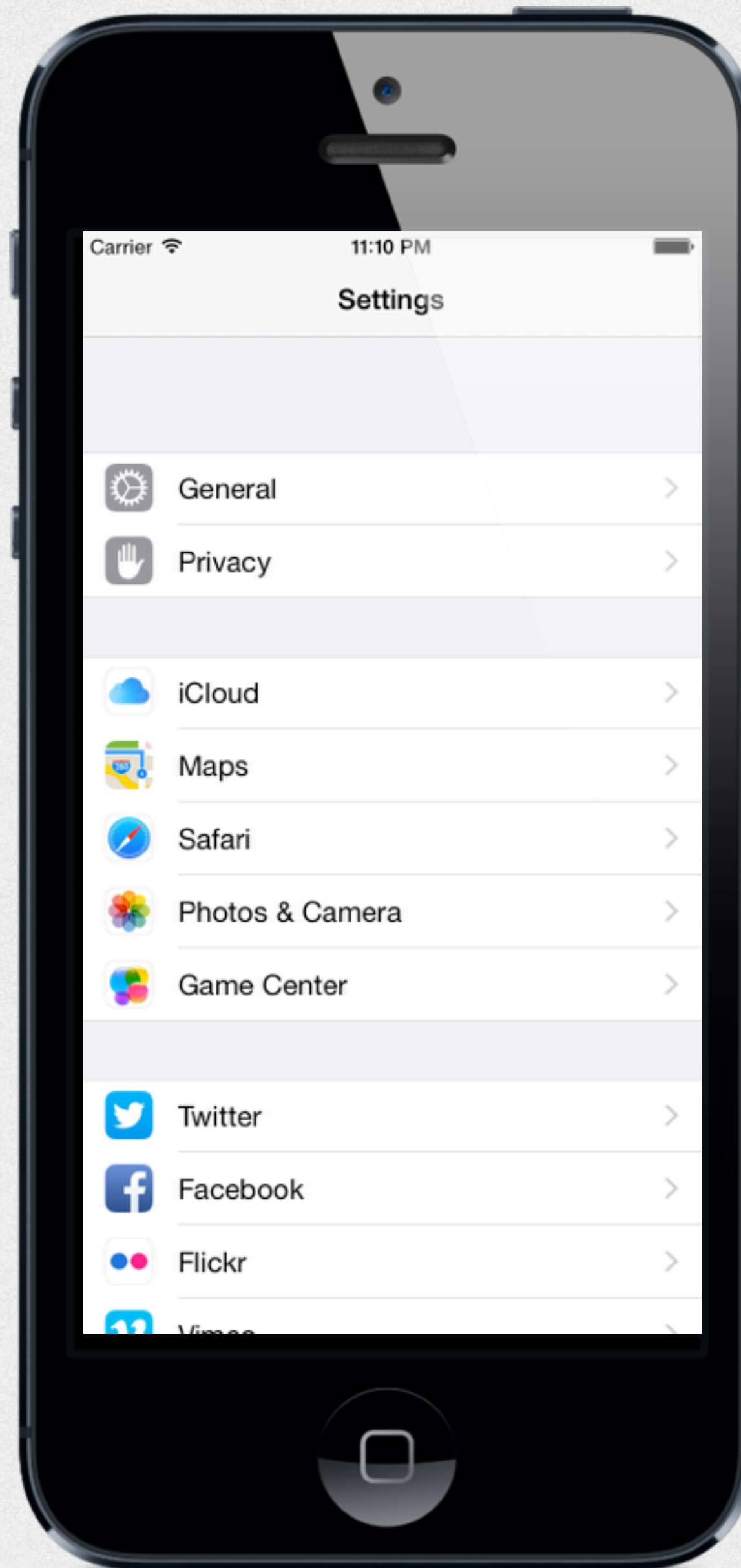


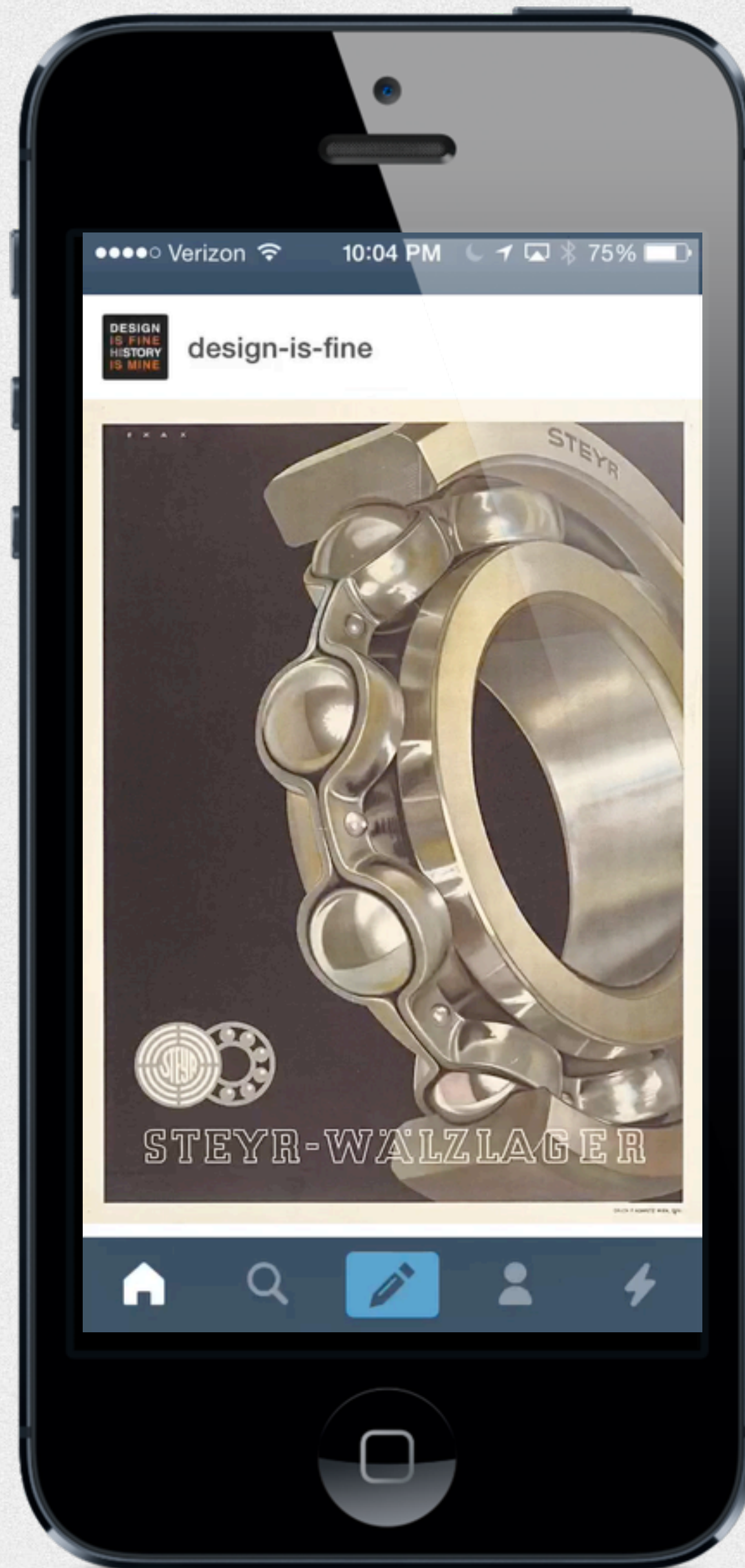
# 305: View Controller Transitions

Part 1: Overview

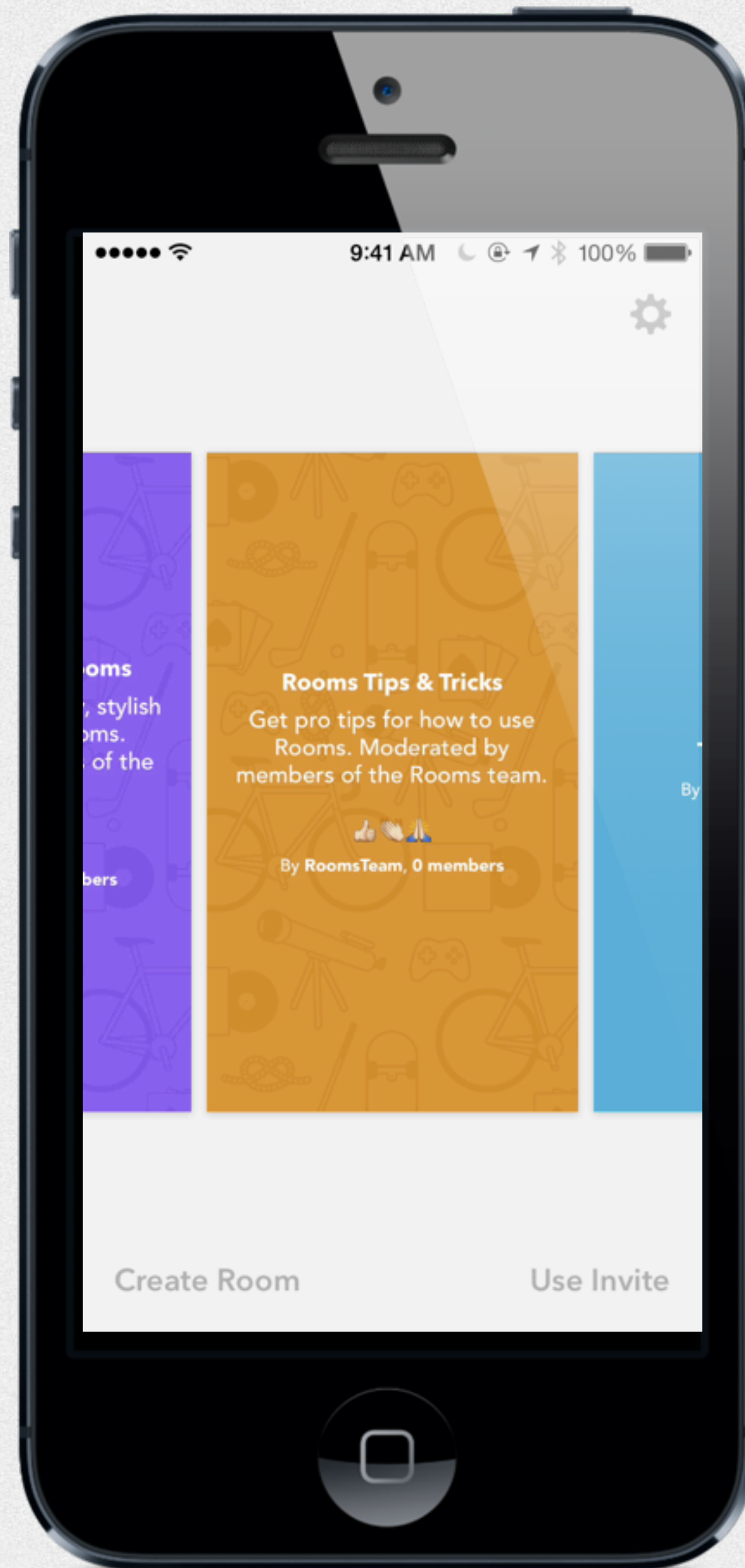














# Stone Age

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View Controller  
Containment

Navigation Controller  
Subclasses

Custom UIView  
animation hacks

Begin/commit  
controller presentation

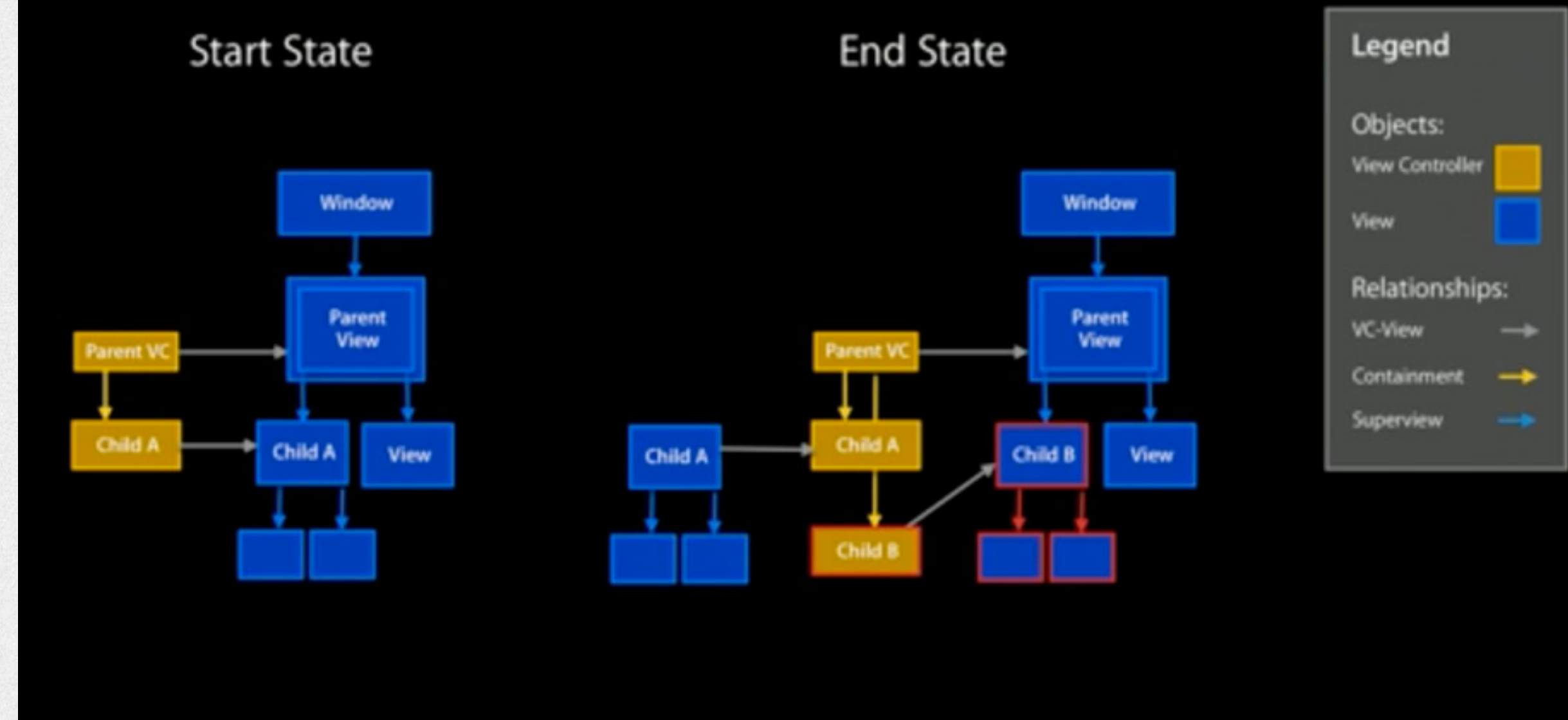


# Transitions



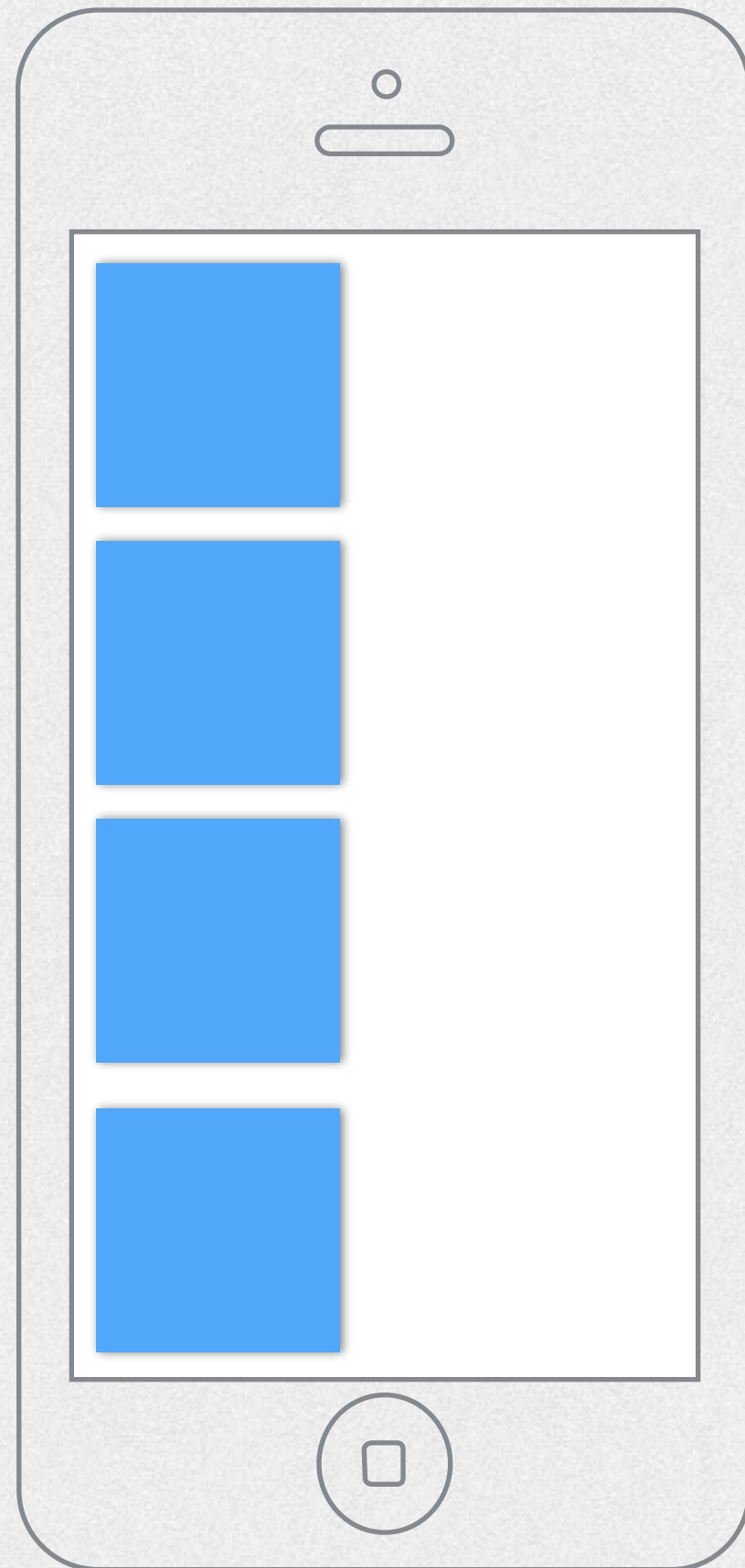
## Custom View Controller Transitions

The anatomy of a transition



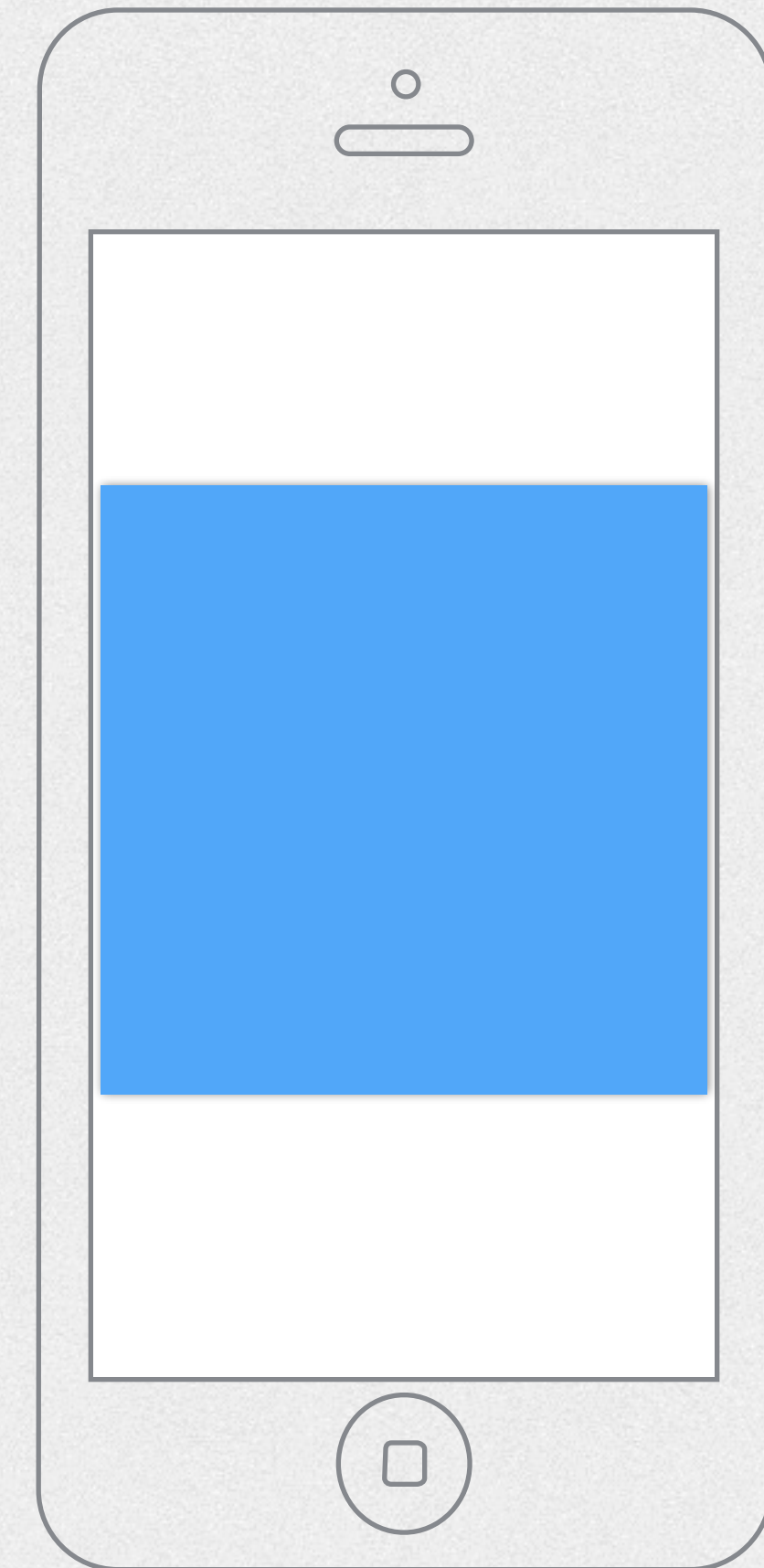


# Transitions



Before

`presentViewController(controller,  
animated: true,  
completion: nil)`



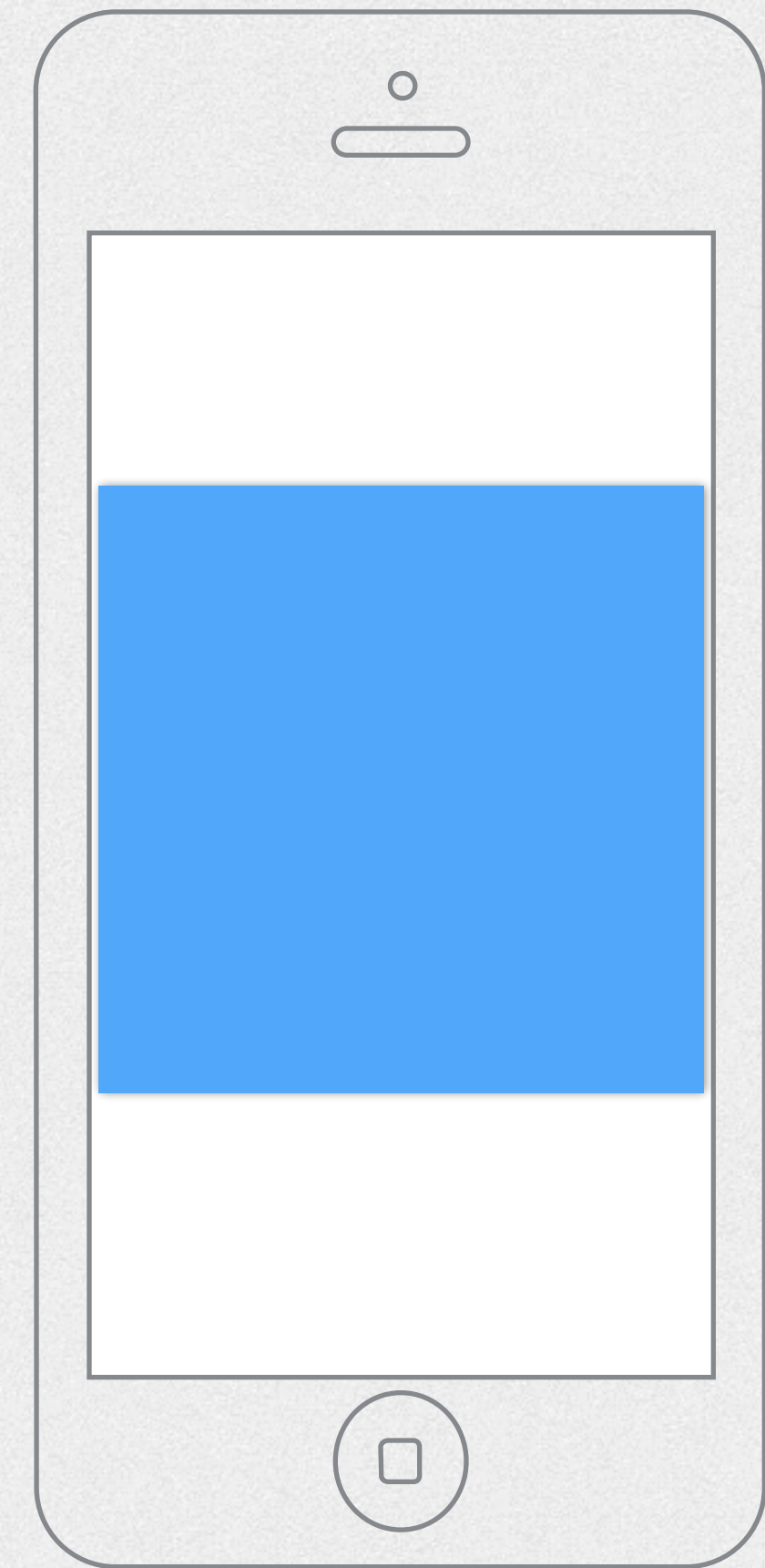
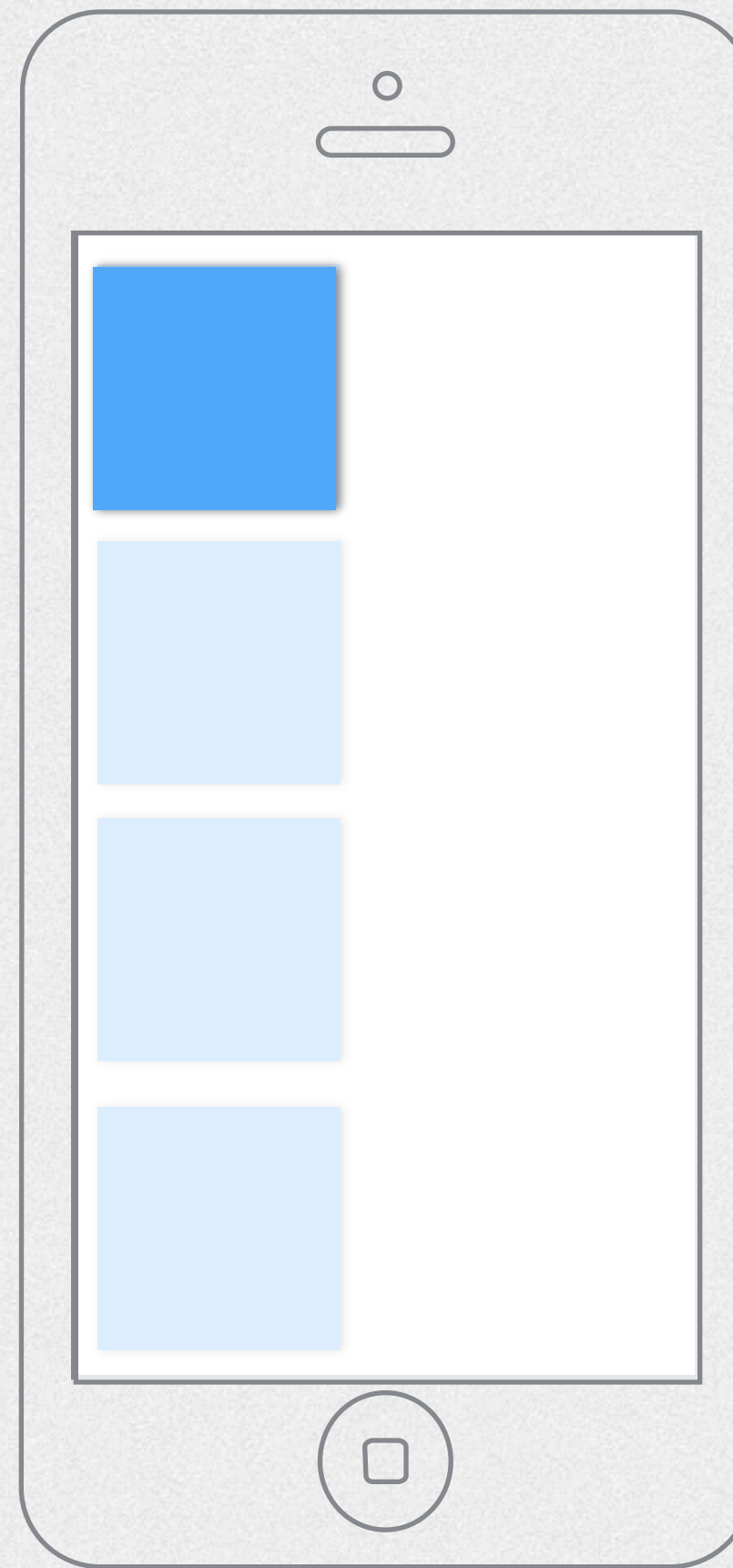
After



# Transitions

---

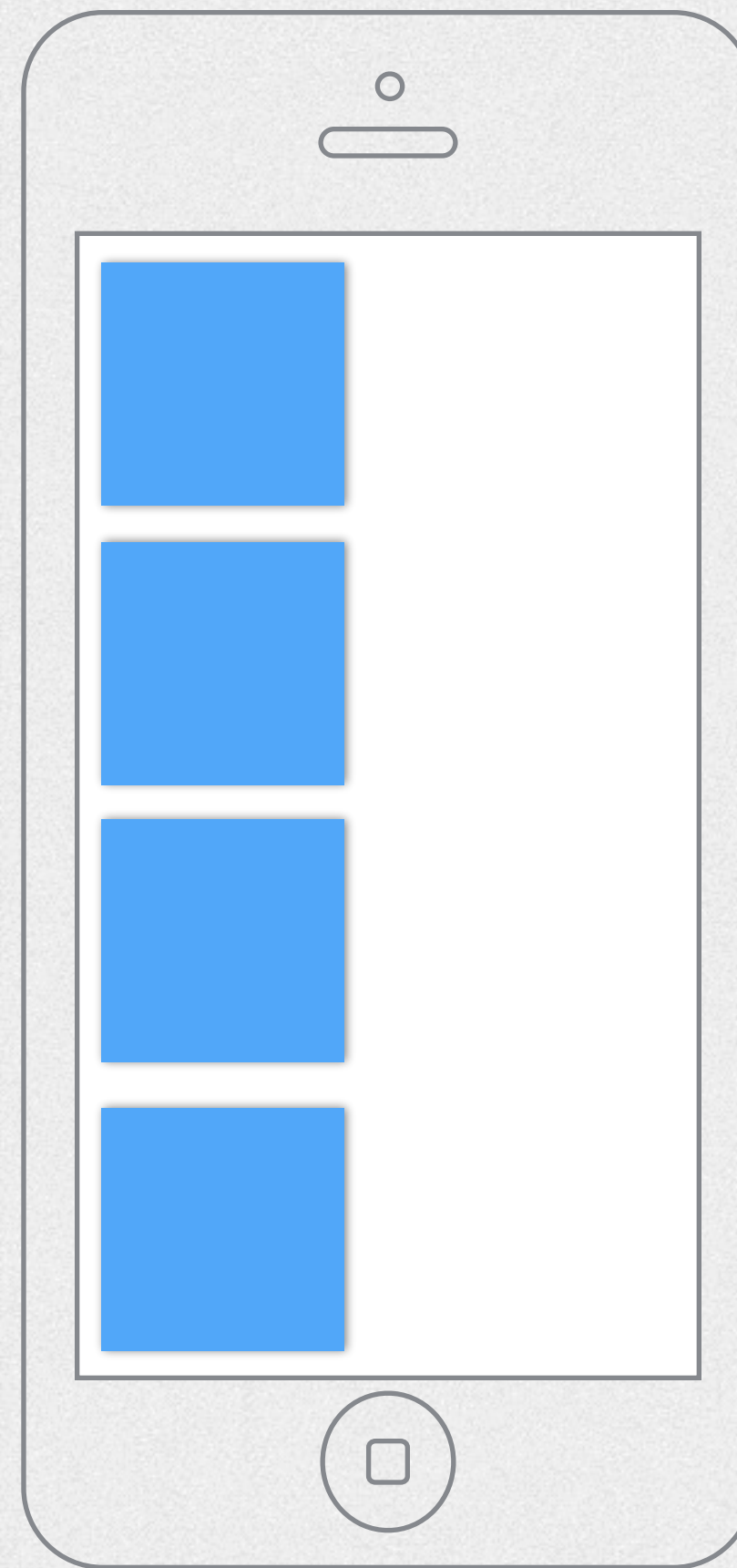
Container View





# Presentation

---





# Dismissal

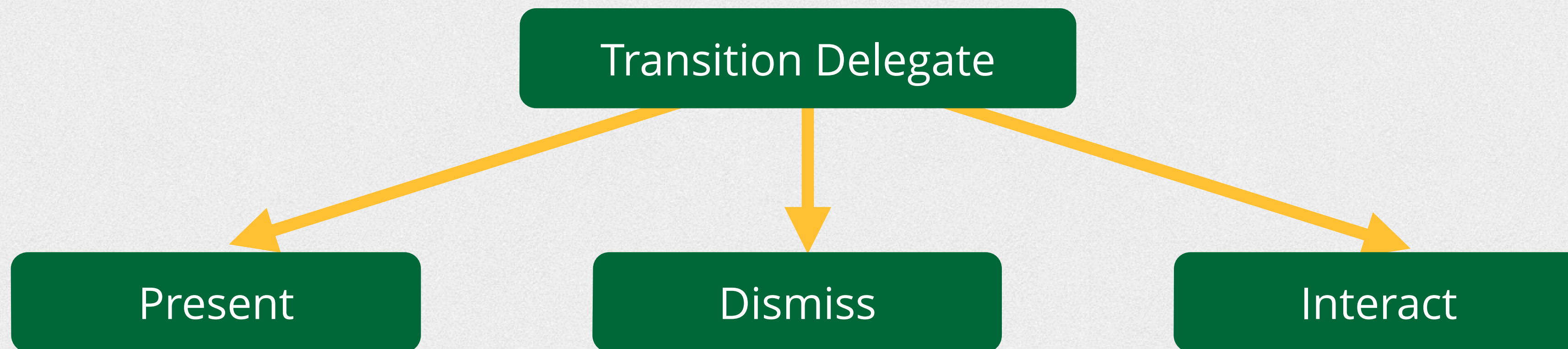
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# Transitions

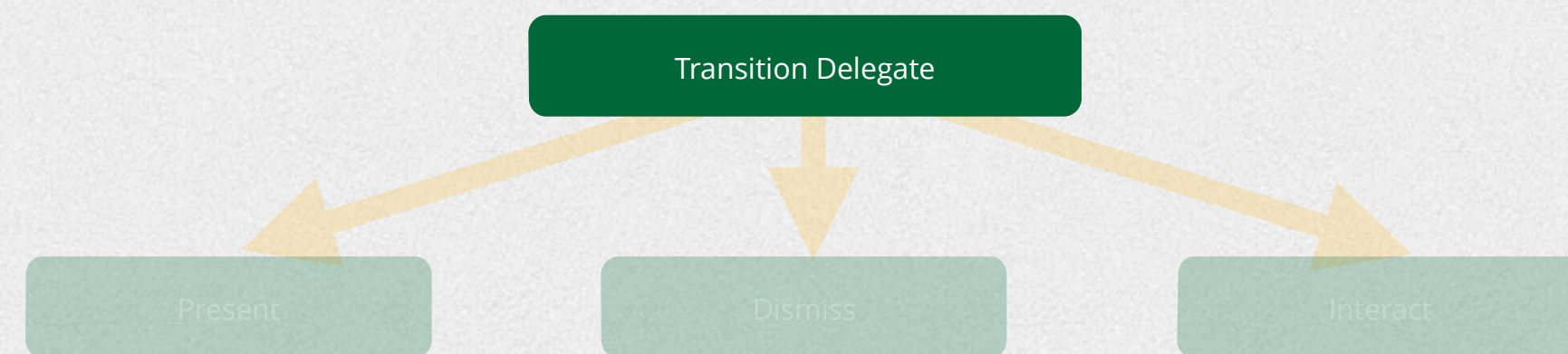
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# UIViewControllerTransitioningDelegate

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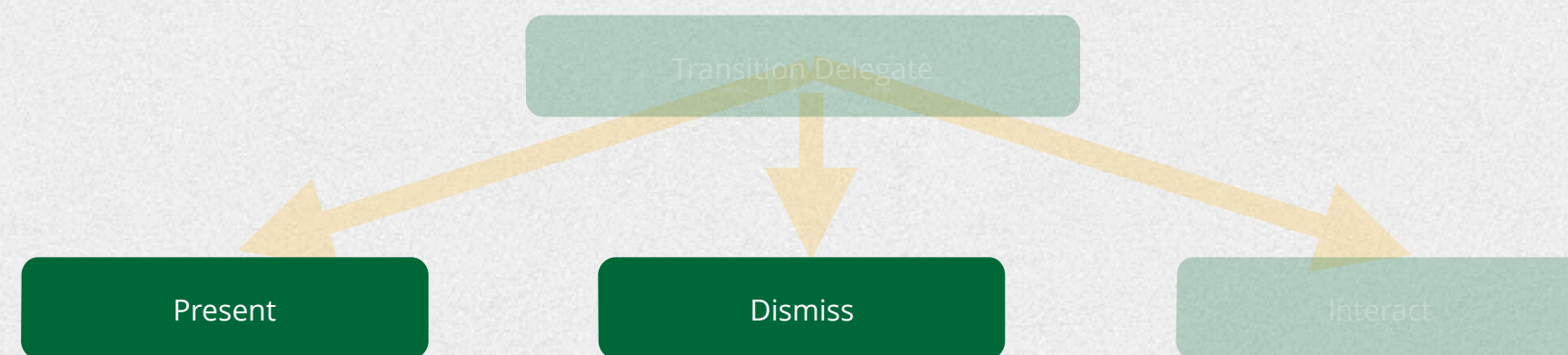


- ⚙️ Purely a delegator
- ⚙️ Objects for presentation, dismissal, and interaction
- ⚙️ Keep a strong reference



# UIViewControllerAnimatedTransitioning

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- ⚙ Animation and duration
- ⚙ Returned by transition delegate
- ⚙ Responsible for cleanup



# UIViewControllerContextTransitioning

---

- ⚙ Has **to** and **from** controllers
- ⚙ Duration
- ⚙ Call **completeTransition(\_:)** when finished



# UIViewControllerContextTransitioning

---

```
let to = context.viewControllerForKey(  
    UTransitionContextToViewControllerKey)
```

```
let from = context.viewControllerForKey(  
    UTransitionContextFromViewControllerKey)
```

```
let container = context.containerView()
```



# Tutorial Overview

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- ⚙️ **Demo:** Basic Transition
- ⚙️ **Lab:** Presentation Transition
- ⚙️ **Challenge:** Dismiss Transition

