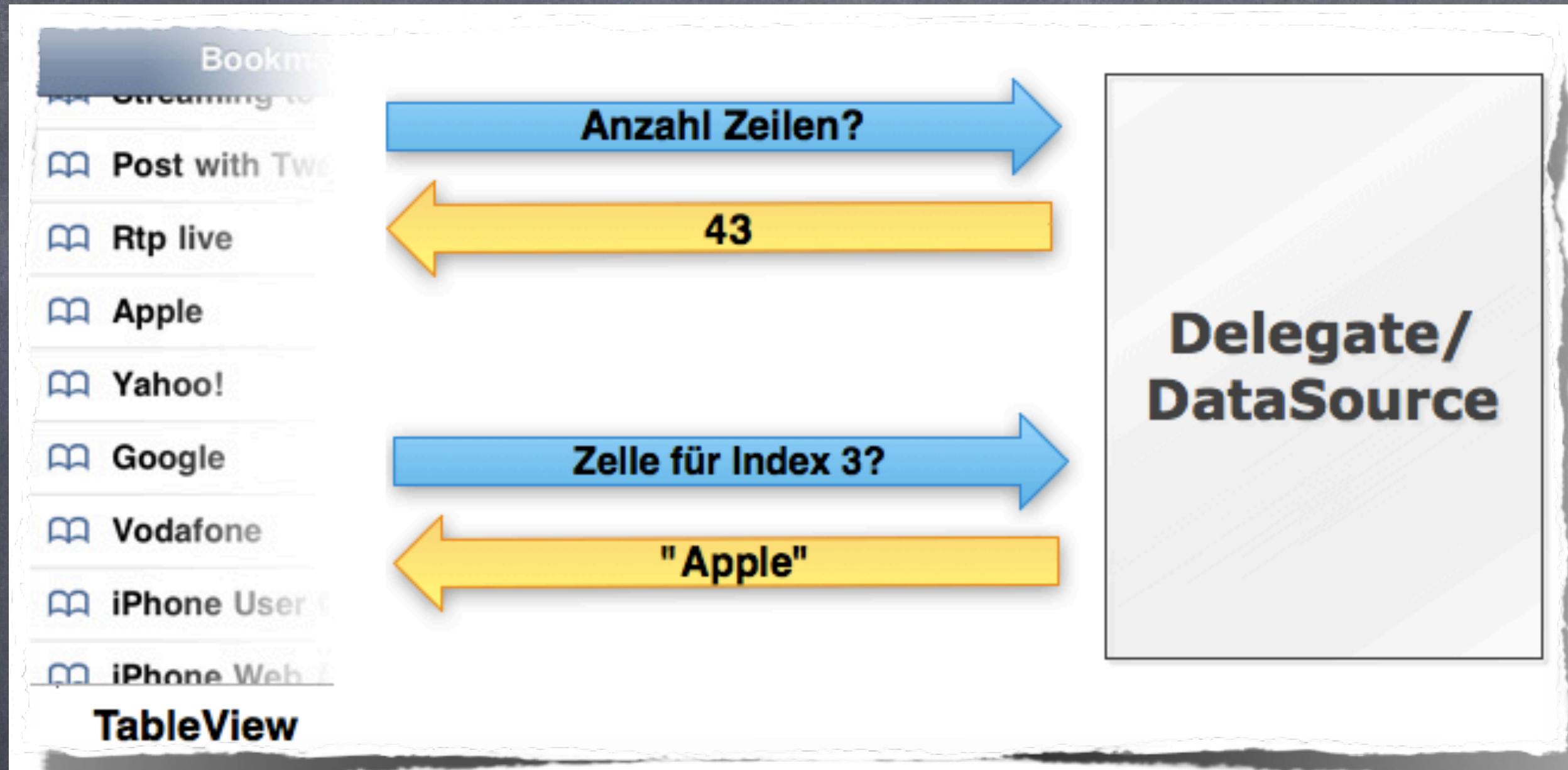


Design Pattern: Delegation

Matthias Tretter, @myell0w

Purpose

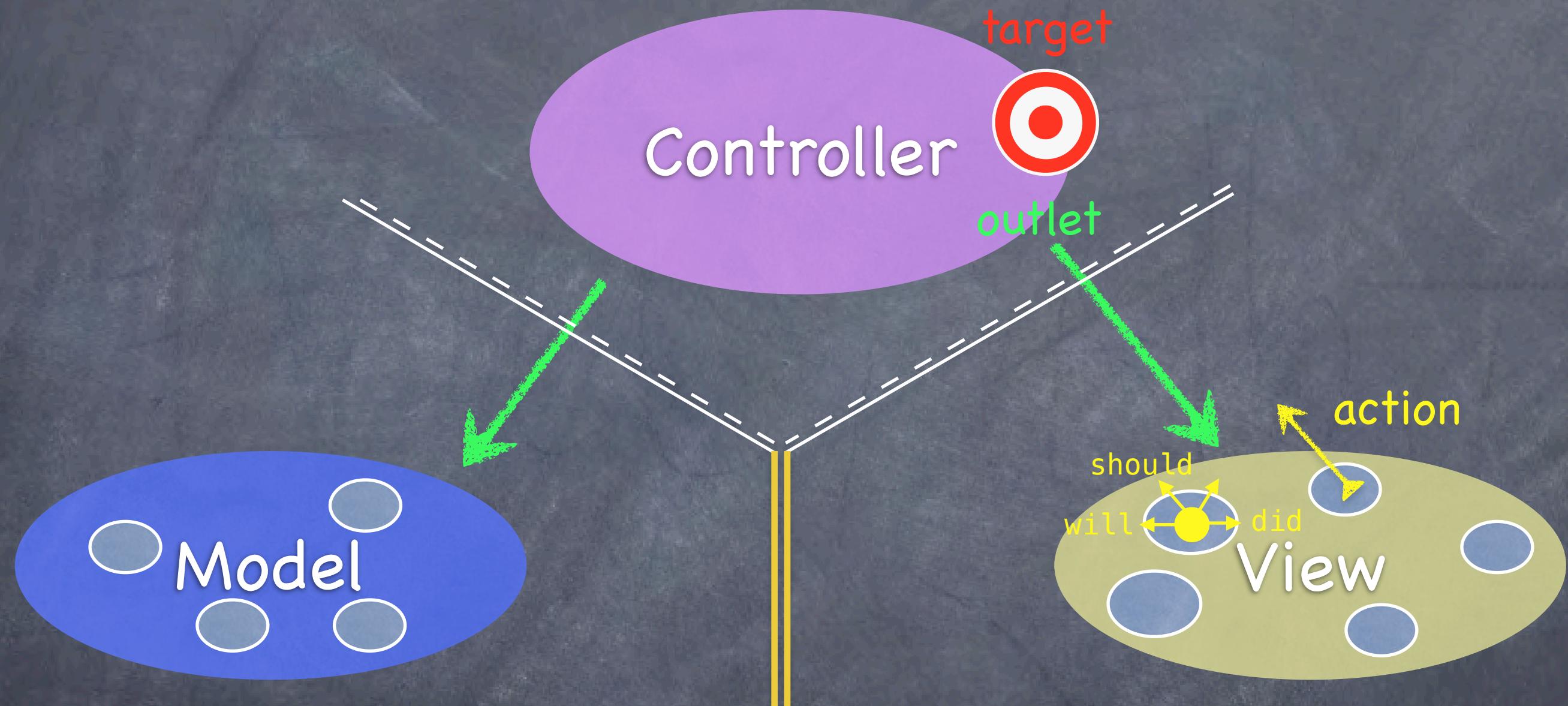
- ⦿ hand over control to another part of the program
- ⦿ object defers task to its delegate
- ⦿ Inversion of responsibility



Typical iOS use-case: UITableView

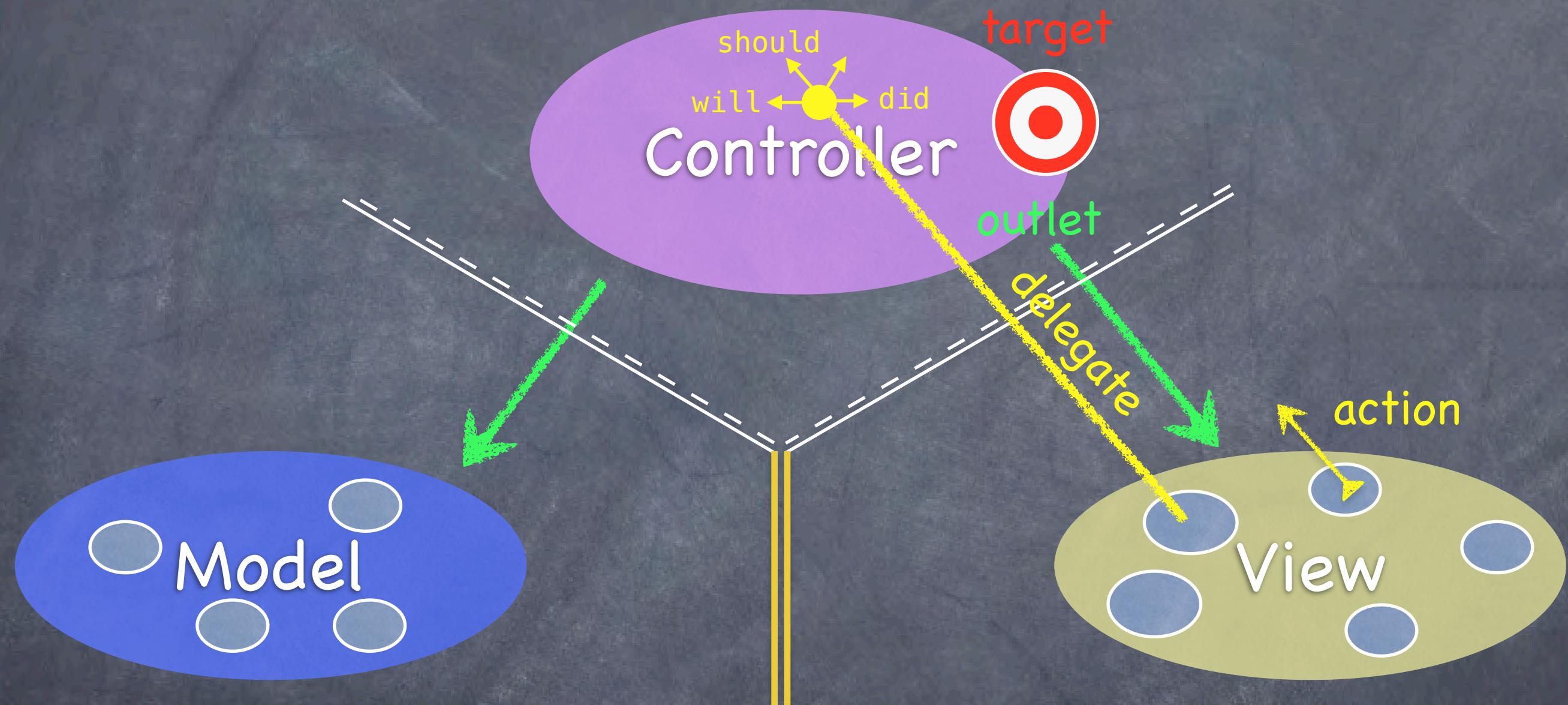
Recall: MVC
How does it fit?

MVC



Sometimes the **View** needs to synchronize with the **Controller**.

MVC

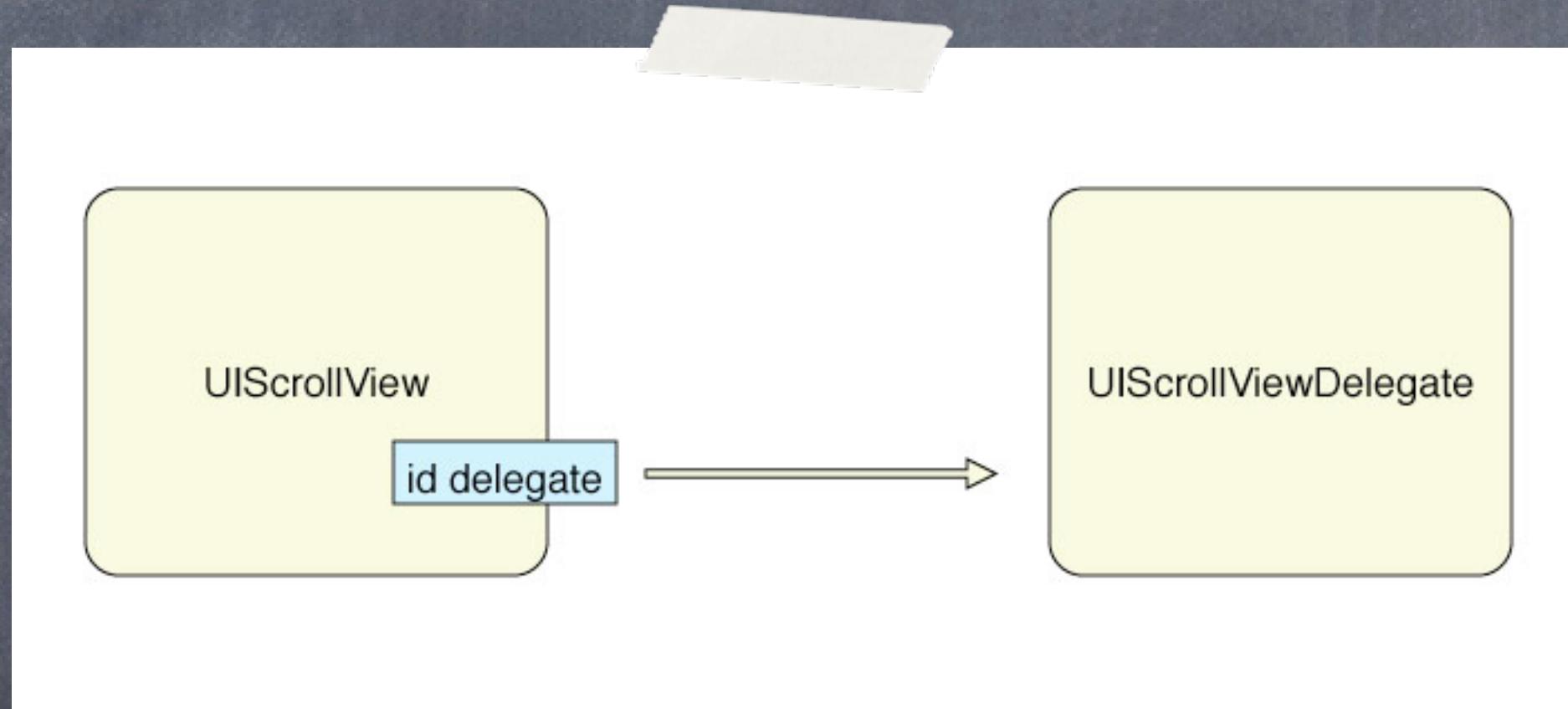


The Controller sets itself as the View's delegate.

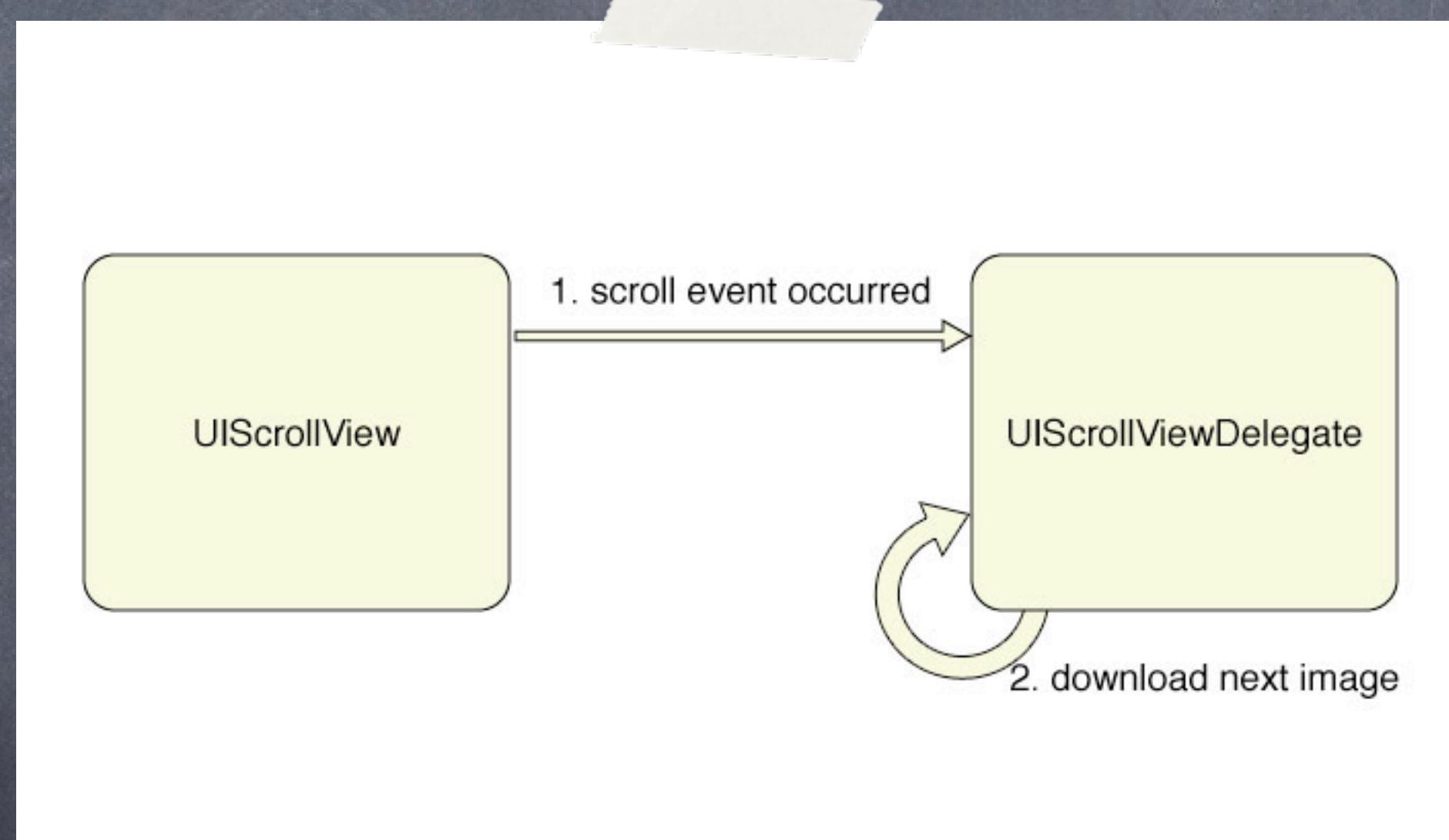
Real-World Example: ScrollView



Real-World Example: ScrollView



Real-World Example: ScrollView



UIScrollViewDelegate

- scrollViewDidScroll:
 - scrollViewWillBeginDragging:
 - scrollViewDidEndDragging:willDecelerate:
 - scrollViewWillBeginDecelerating:
 - scrollViewDidEndDecelerating:
- ...

DataSource

- ⦿ Similar to Delegate
- ⦿ Different Purpose: Control of data
- ⦿ E.g. Data to display in UITableView

Further Literature

- ⦿ iOS Design Pattern: Delegation
<http://blog.teamtreehouse.com/ios-design-patterns-delegation-part-2>