

MVC & UIKit

MVC

Controller

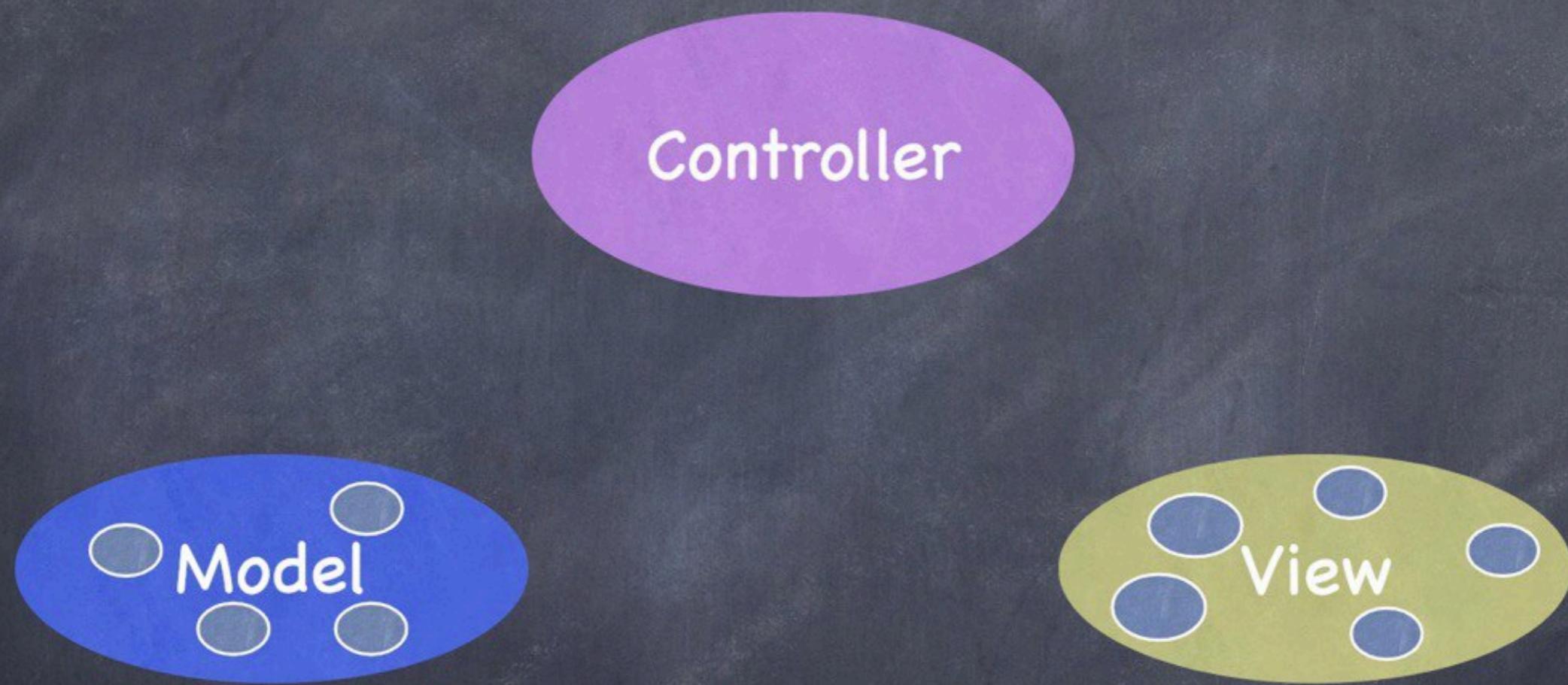
Model

View

Divide objects in your program into 3 “camps.”



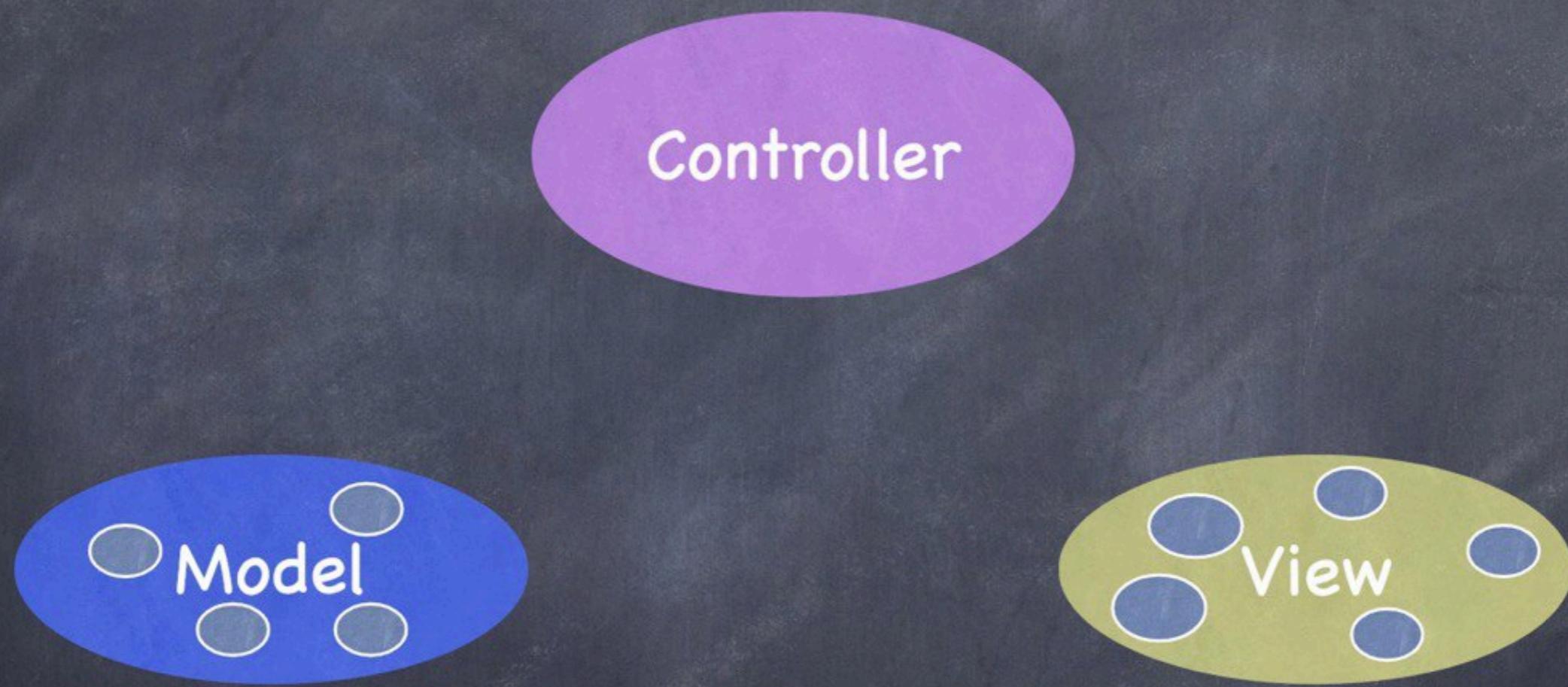
MVC



Model = What your application is (but not how it is displayed)



MVC

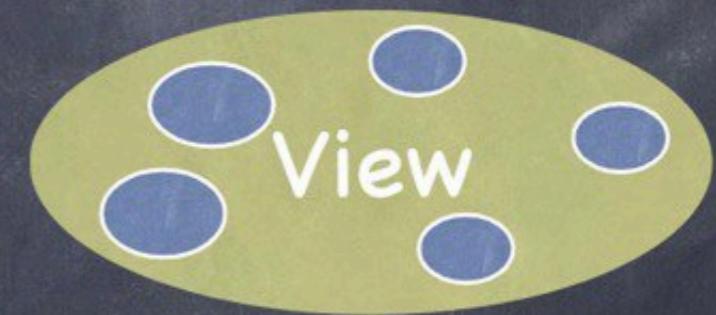
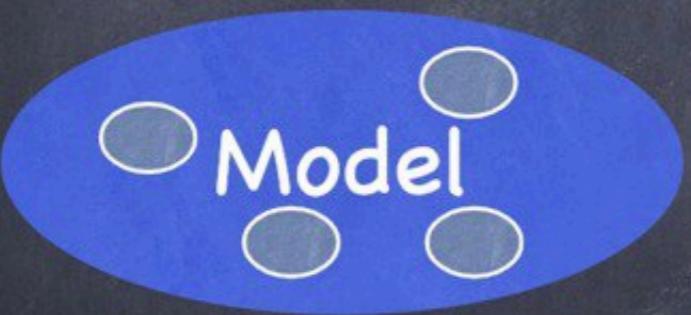


Controller = How your Model is presented to the user (UI logic)



MVC

Controller



View = Your Controller's minions



MVC

Controller

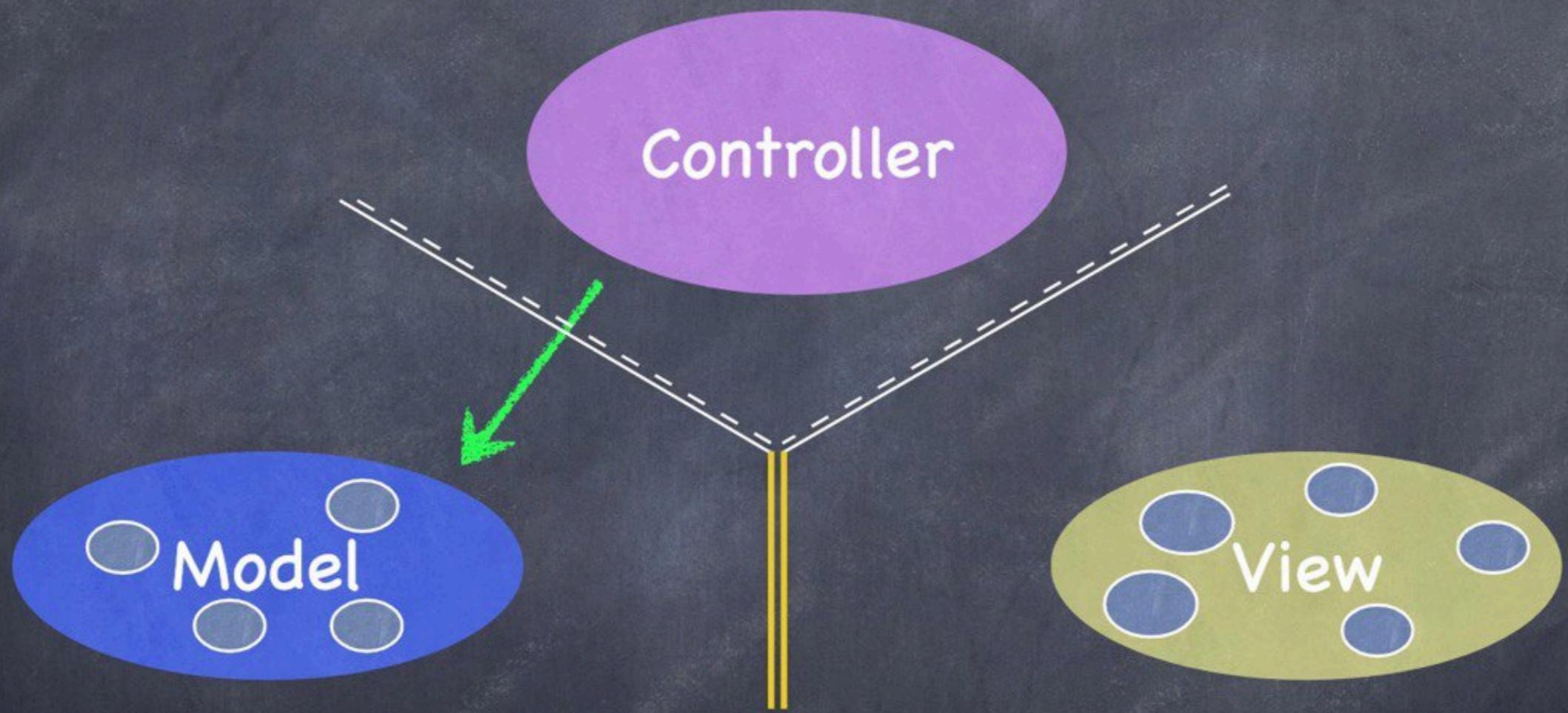
Model

View

View = Your Controller's minions



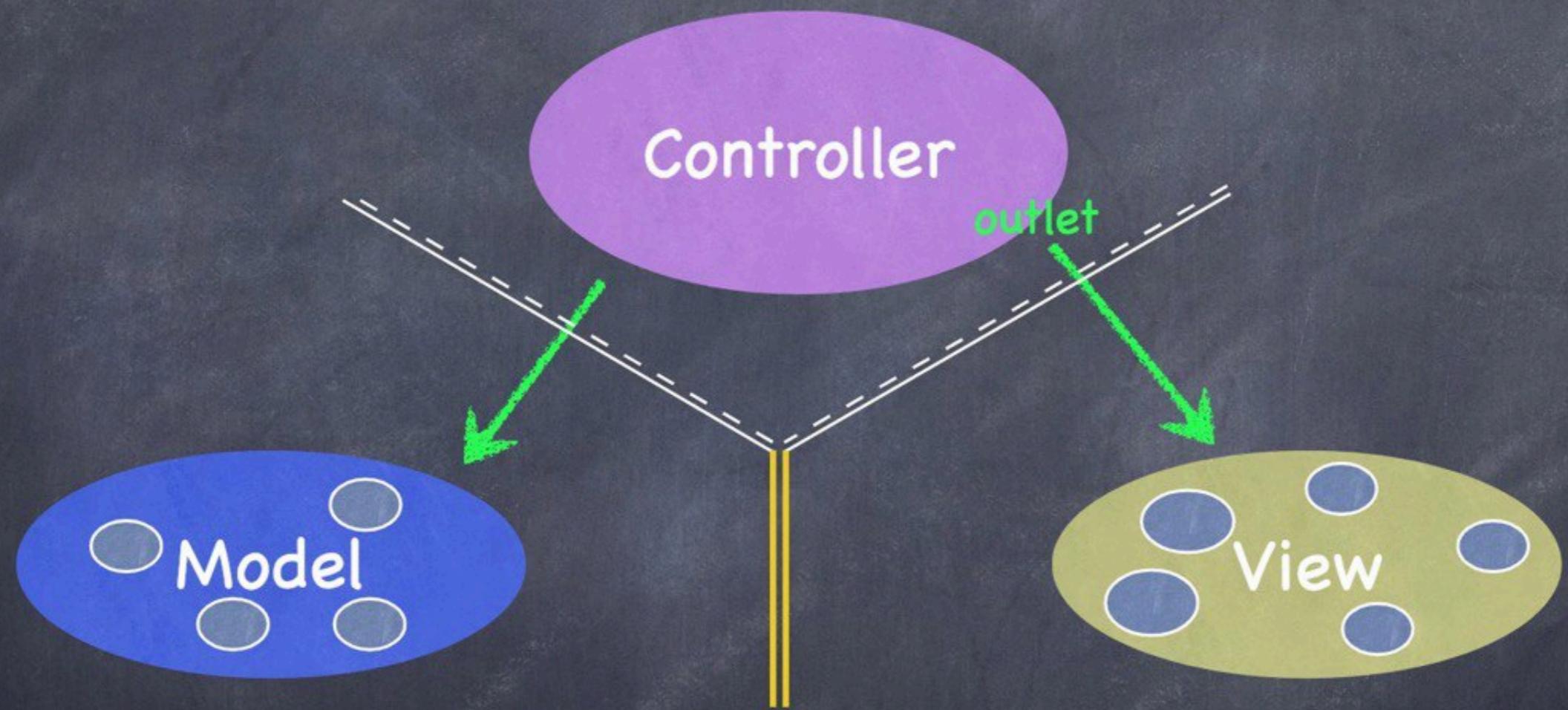
MVC



Controllers can always talk directly to their Model.



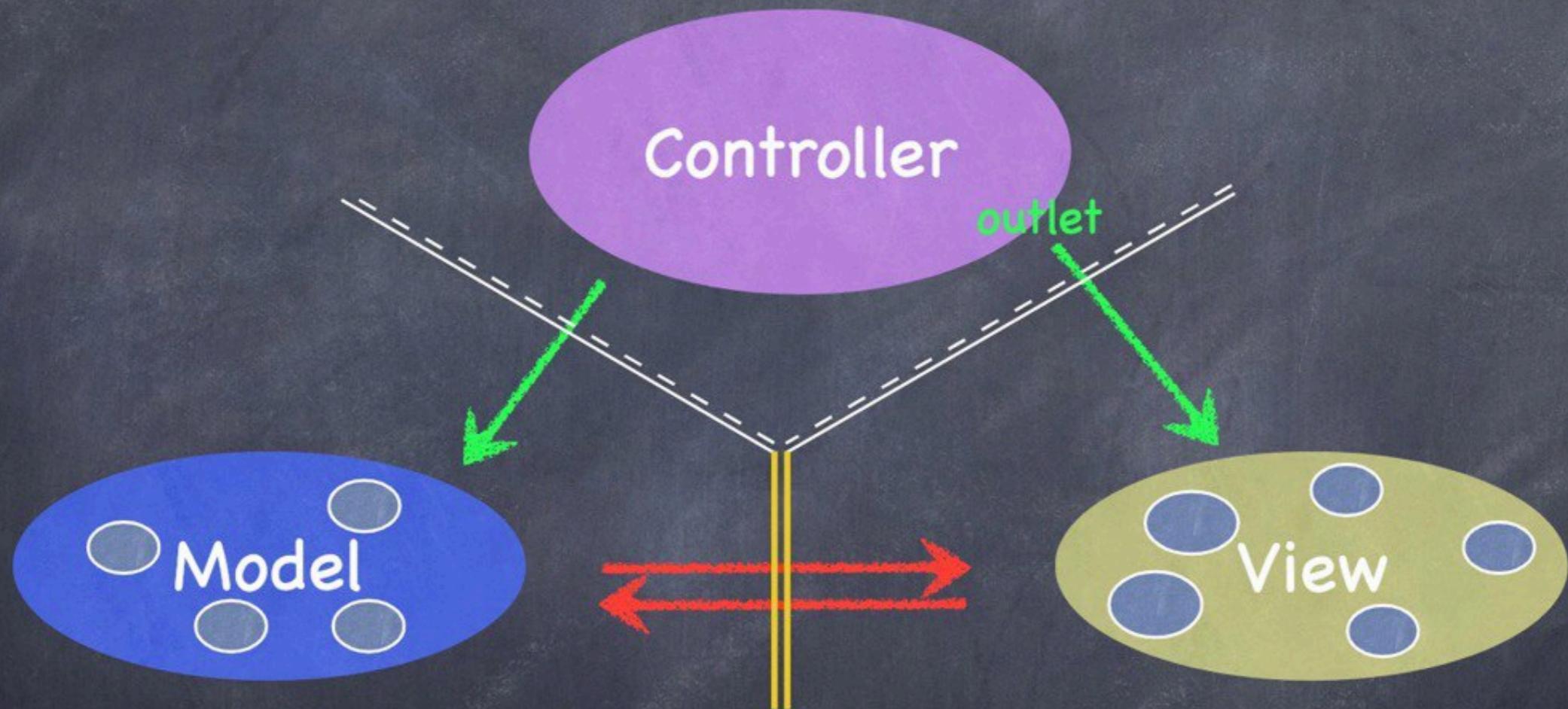
MVC



Controllers can also talk directly to their View.



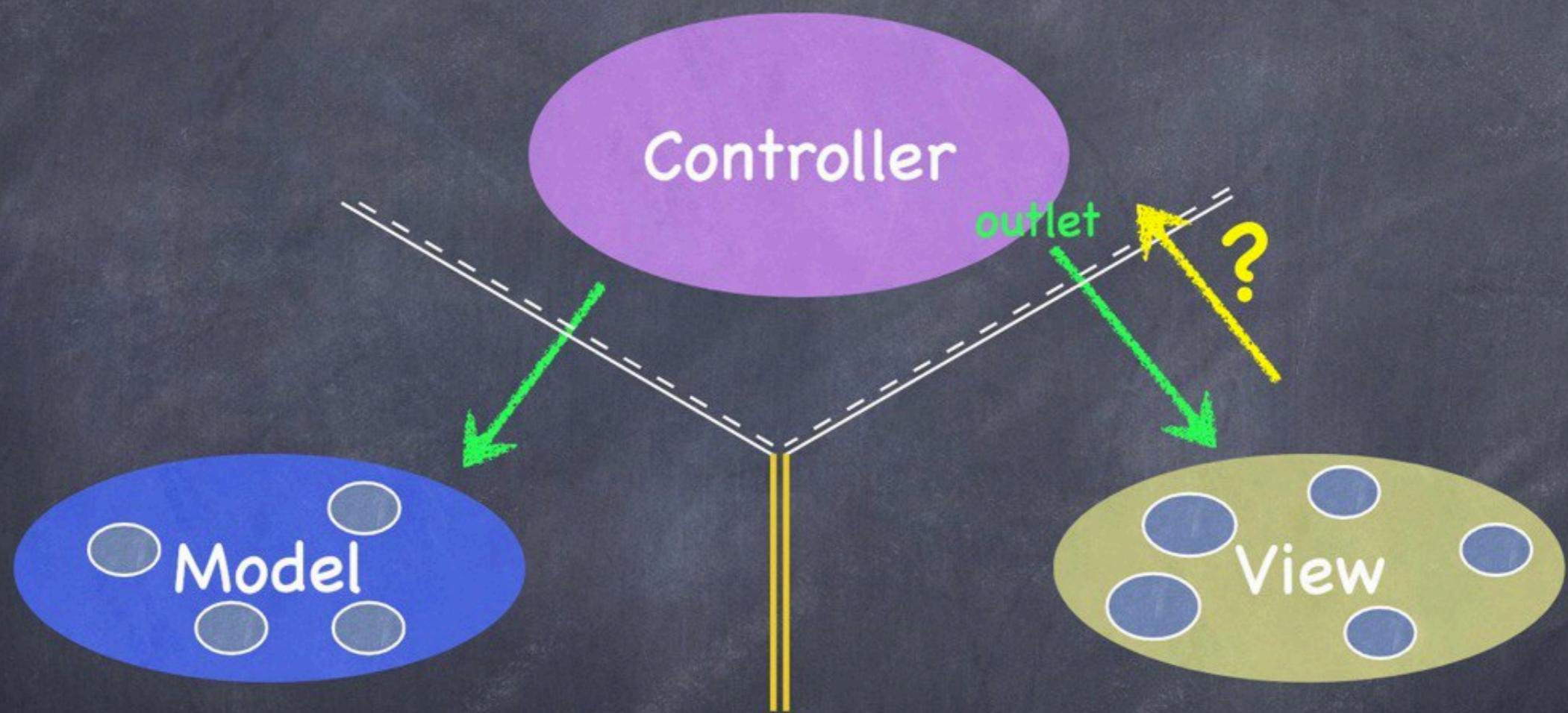
MVC



The **Model** and **View** should never speak to each other.



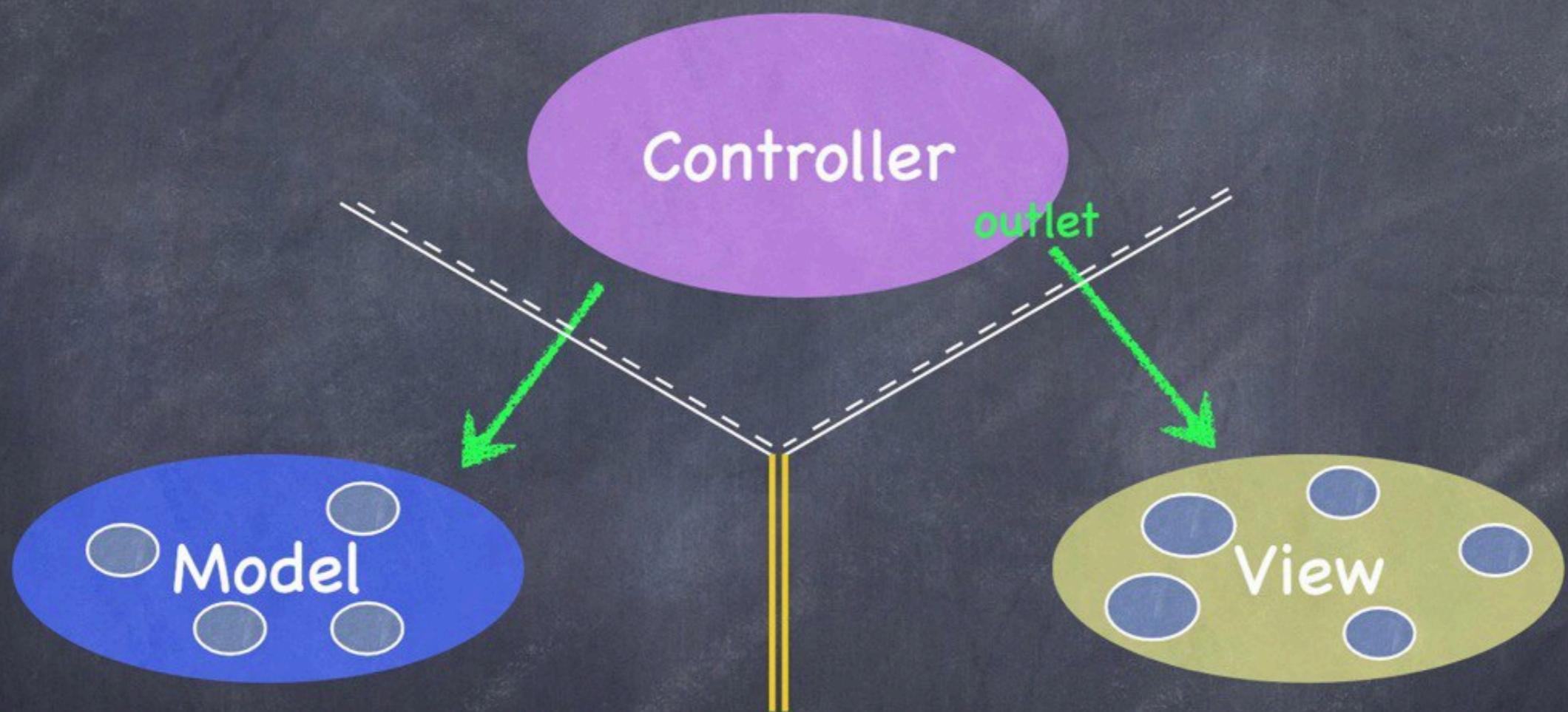
MVC



Can the **View** speak to its **Controller**?



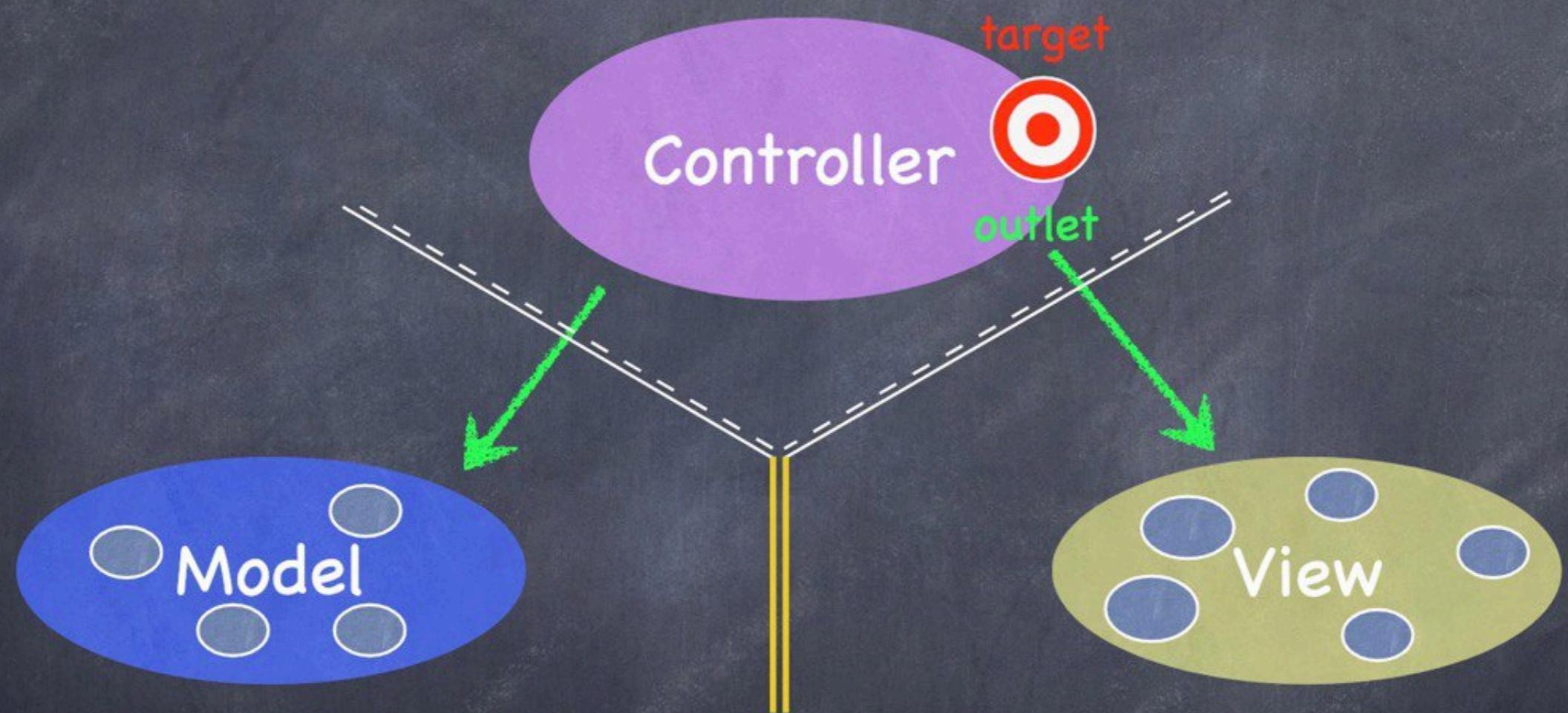
MVC



Sort of. Communication is “blind” and structured.



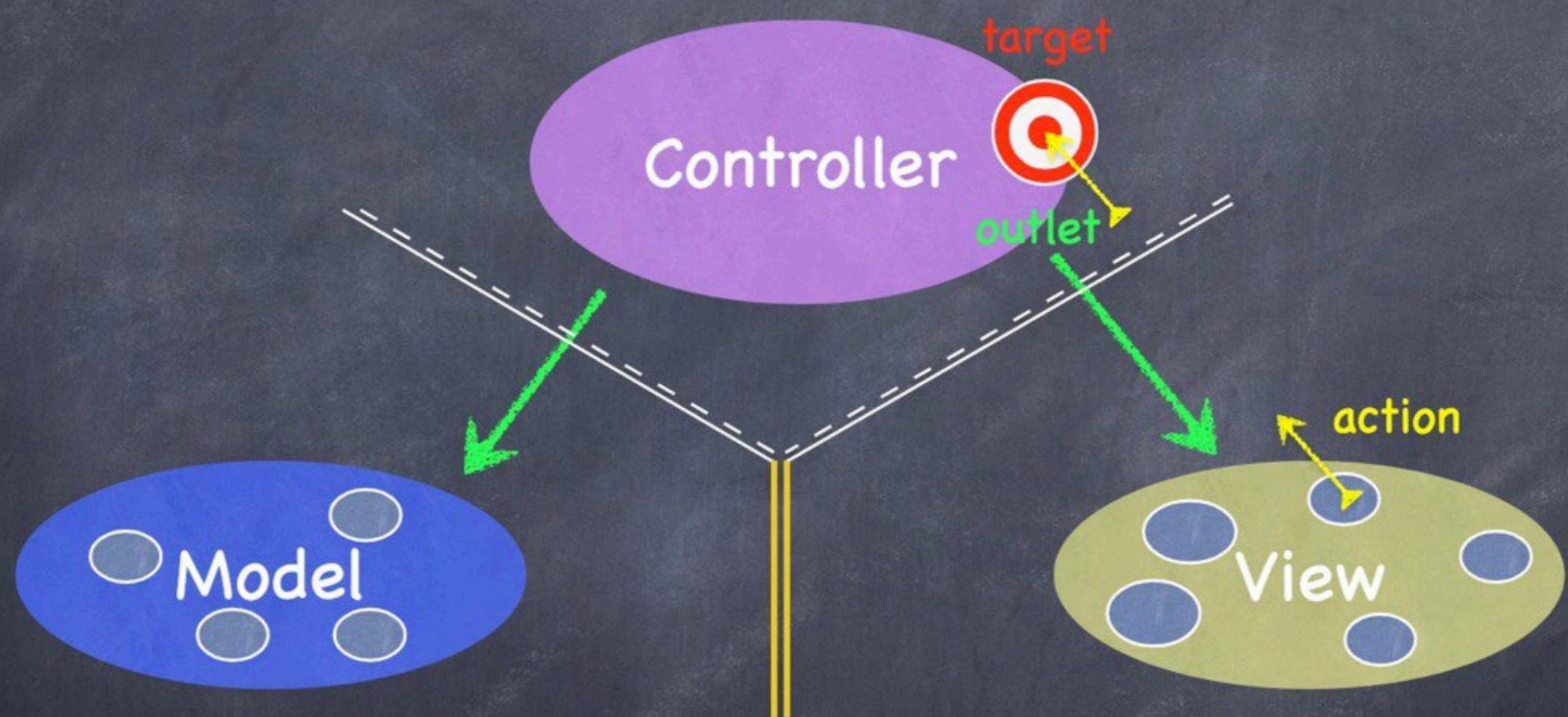
MVC



The **Controller** can drop a **target** on itself.



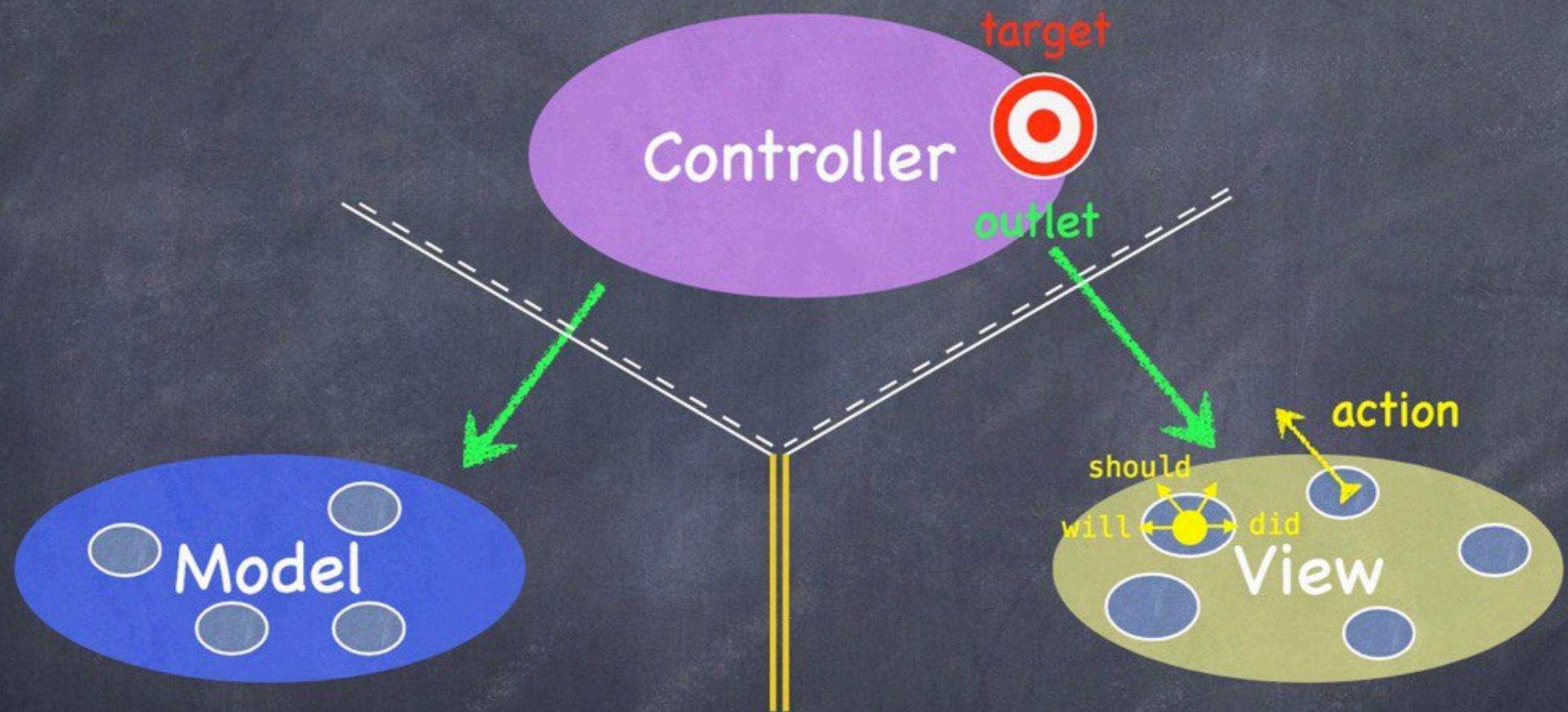
MVC



The View sends the **action** when things happen in the UI.



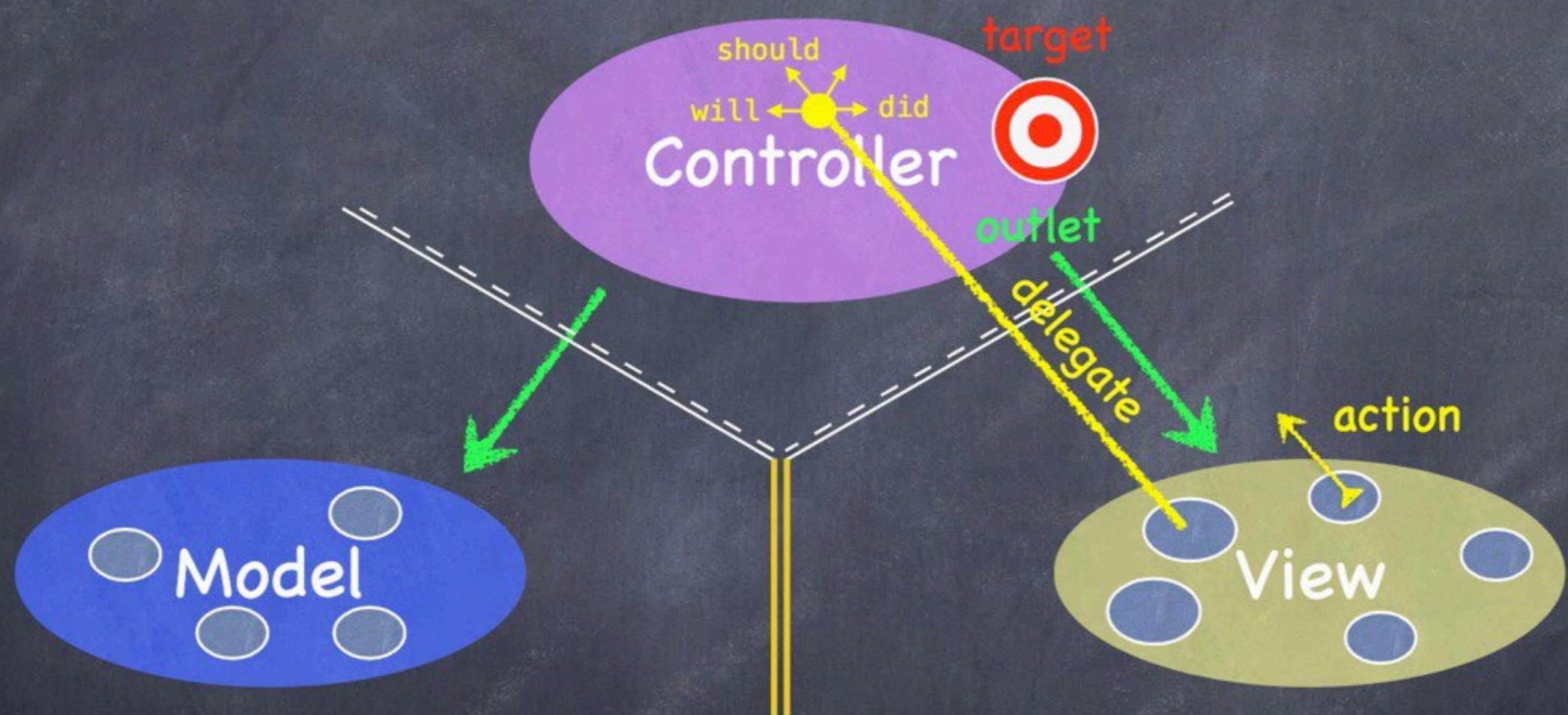
MVC



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



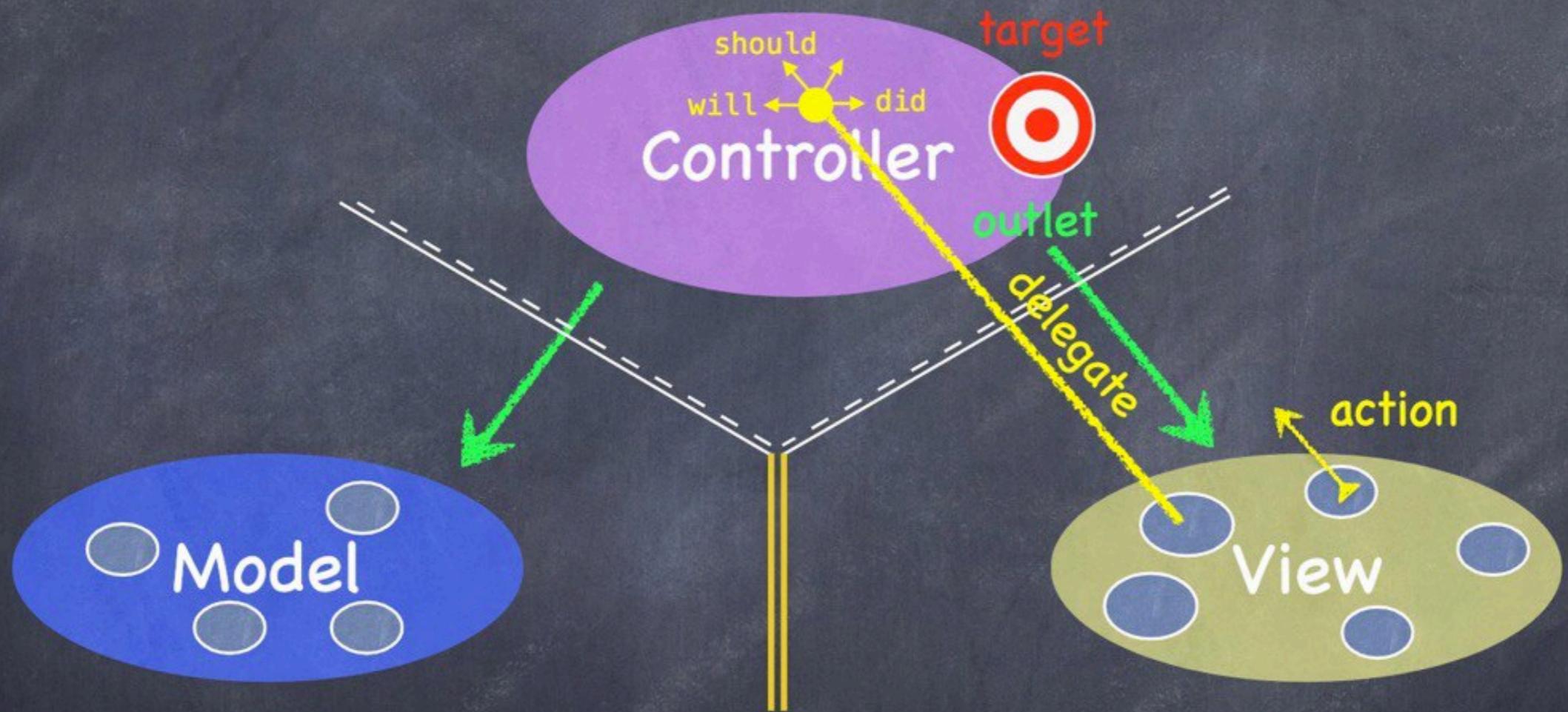
MVC



The **Controller** sets itself as the **View's delegate**.



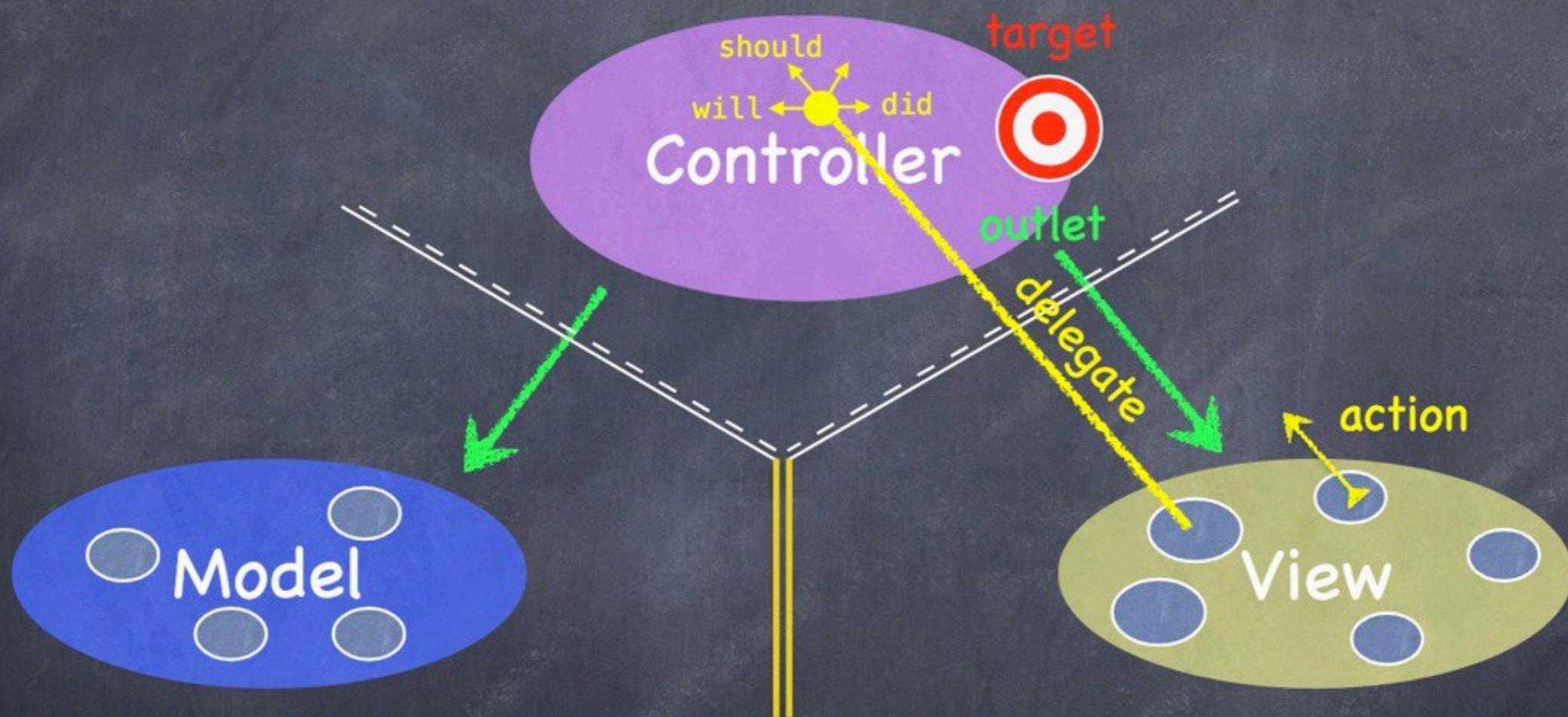
MVC



The **delegate** is set via a protocol (i.e. it's “blind” to class).



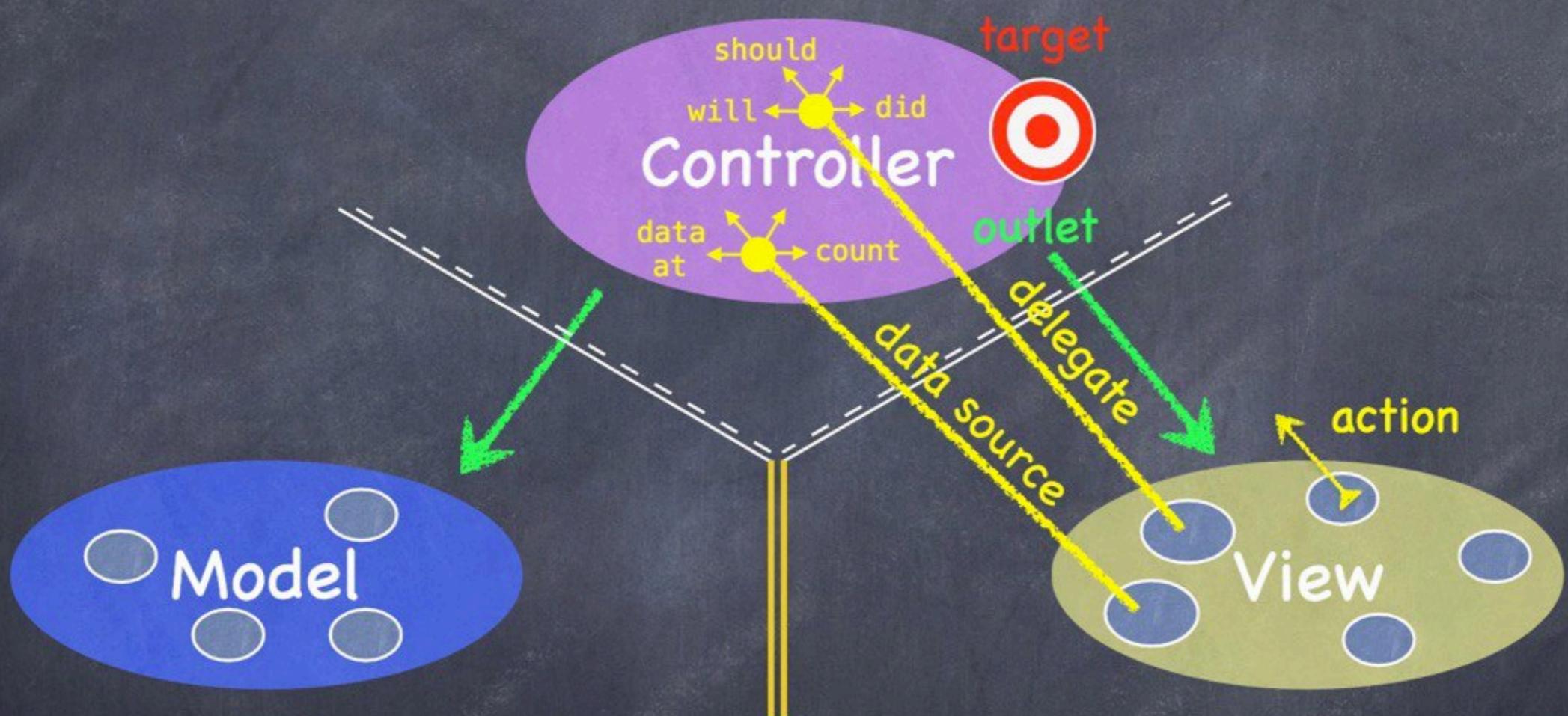
MVC



Views do not own the data they display.



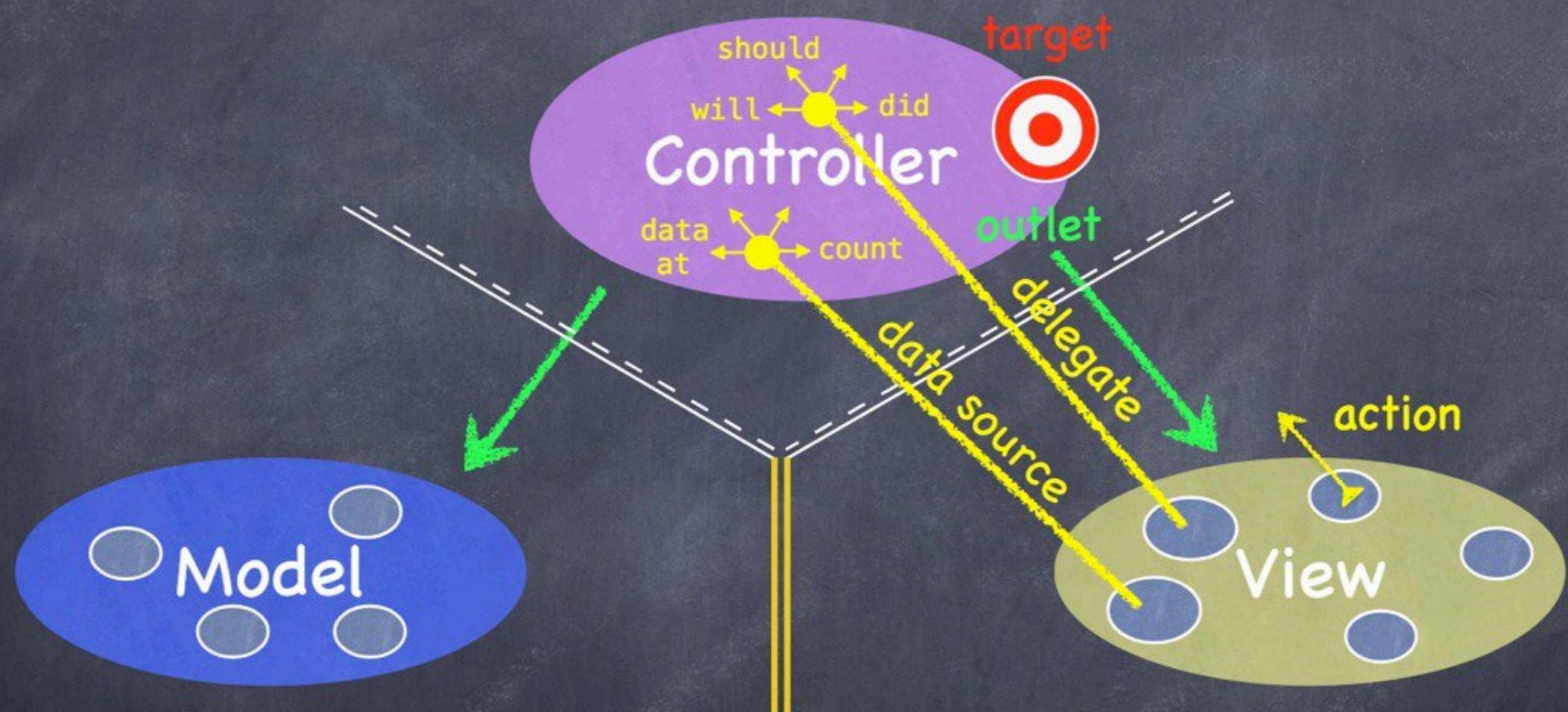
MVC



Controllers are almost always that data source (not Model!).



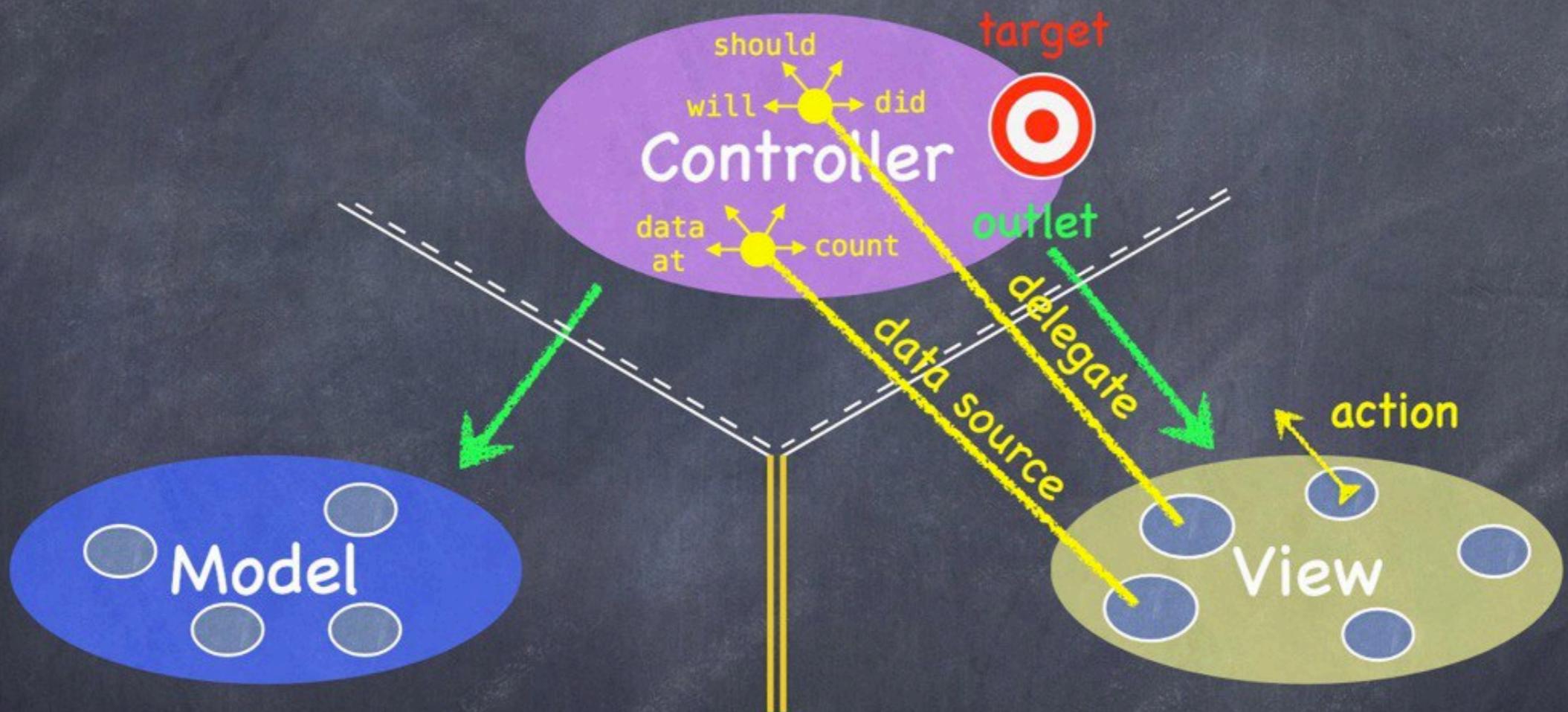
MVC



No. The Model is (should be) UI independent.



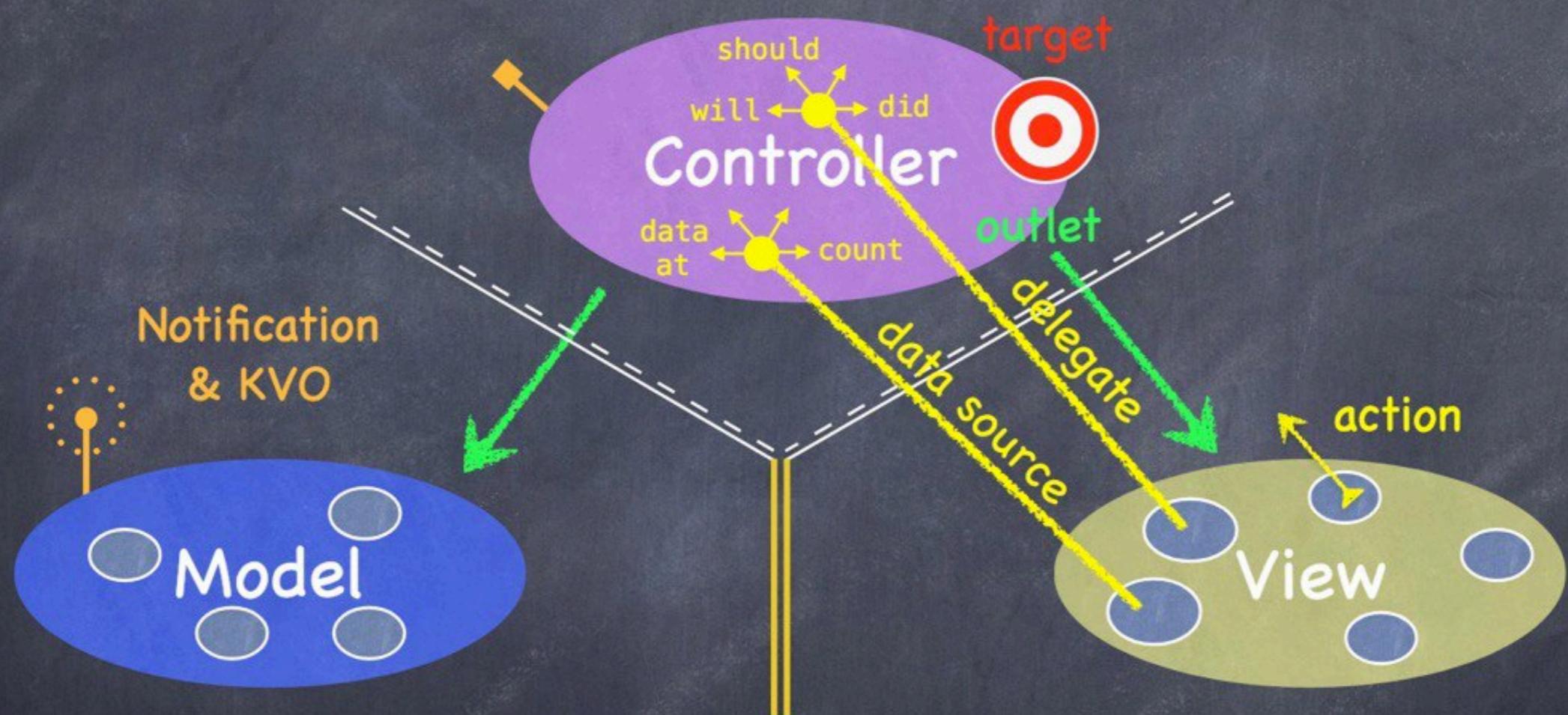
MVC



So what if the Model has information to update or something?



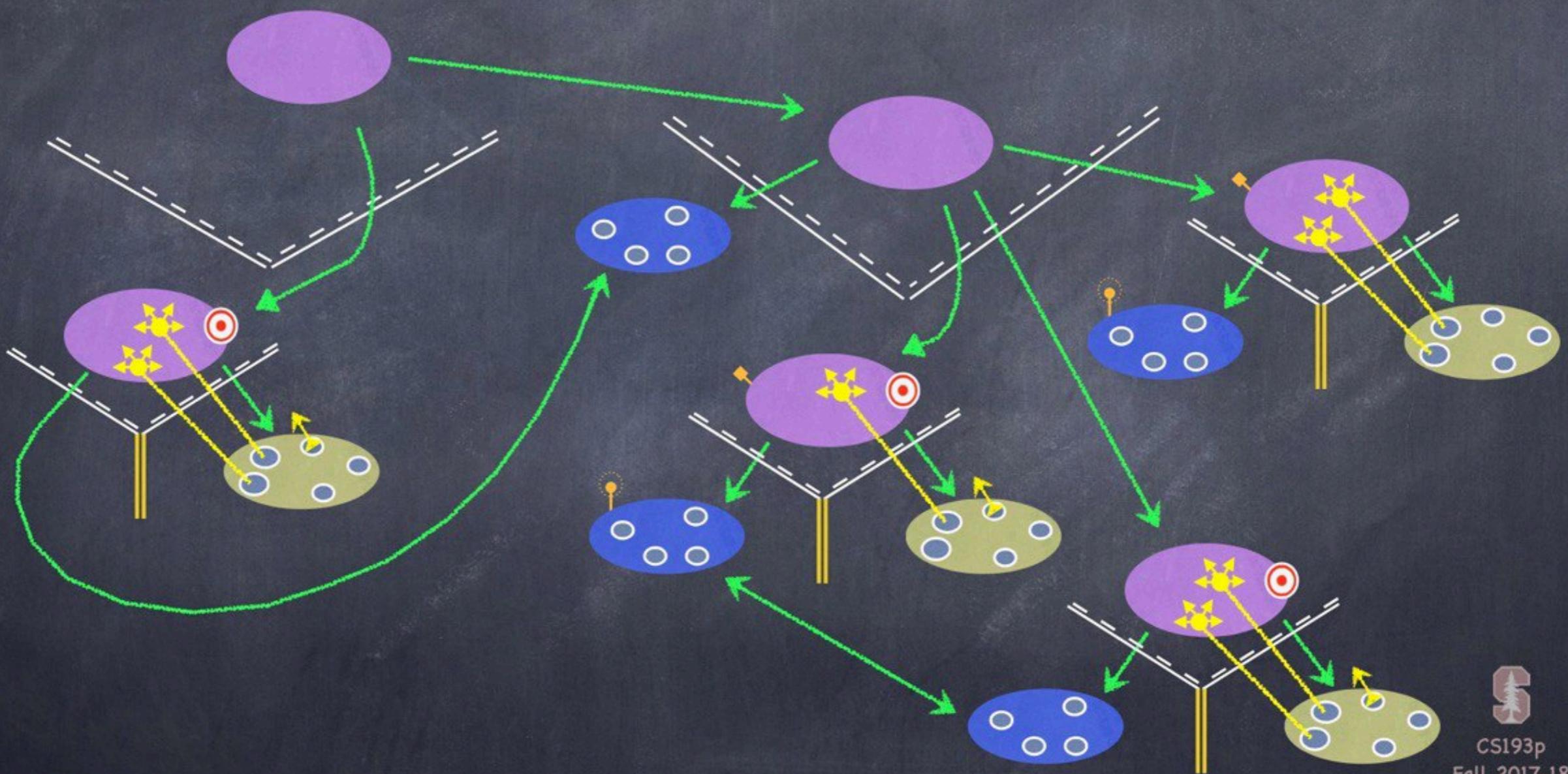
MVC



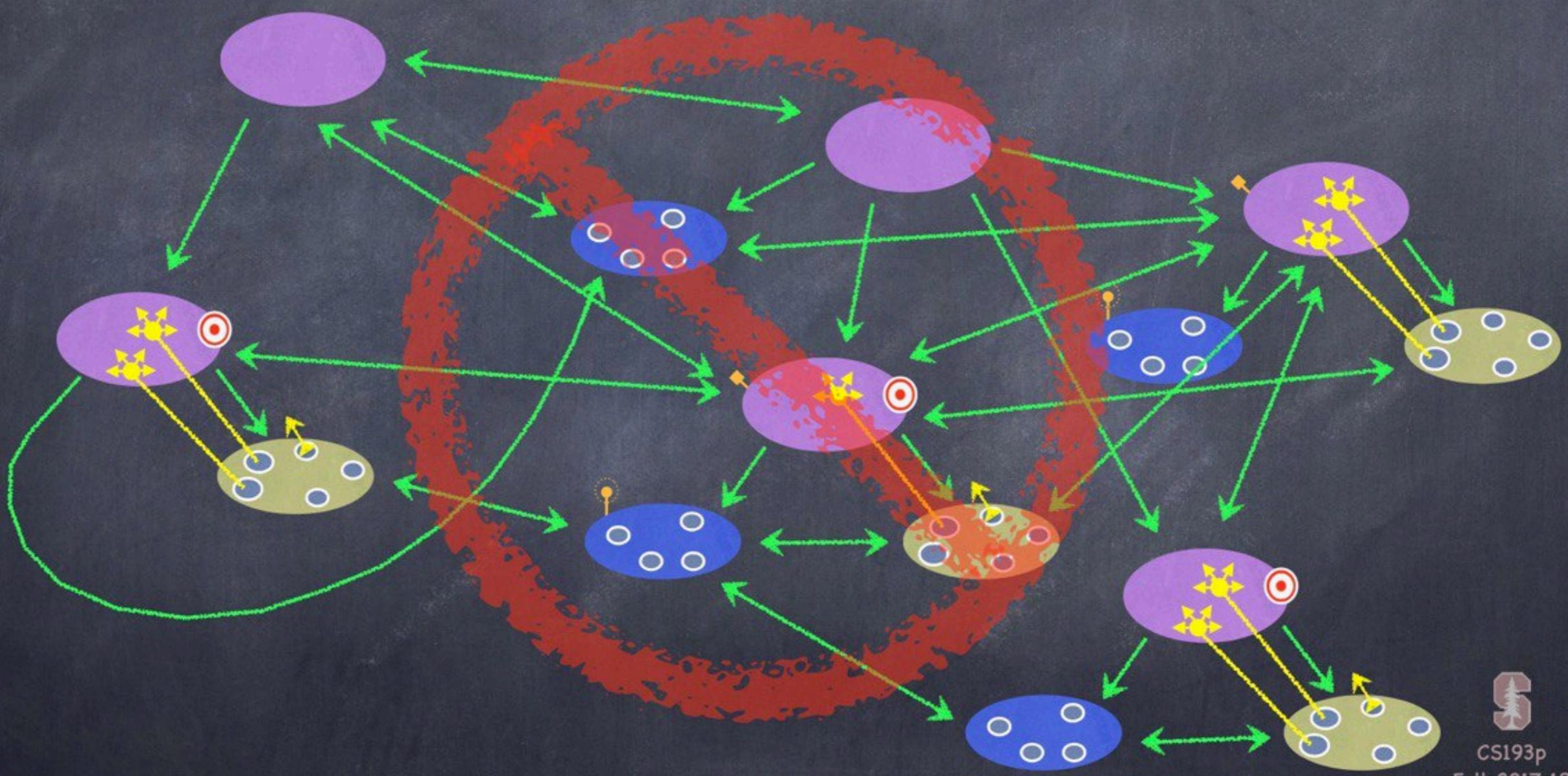
It uses a “radio station”-like broadcast mechanism.



MVCs working together



MVCs not working together



CS193p
Fall 2017-18

Lab 2



+ iOS App Store Only

Offers In-App Purchases

This app is only available on the App Store for iOS devices.

This app is designed for both iPhone and iPad

★★★★★ (14)

Rating: 12+

TOP IN-APP PURCHASES

- | | |
|-------------------|------------|
| 1. 80 Gems | 349.00 ₺ |
| 2. Remove Ads | 999.00 ₺ |
| 3. 1500 Coins | 1,390.00 ₺ |
| 4. 250 Coins | 349.00 ₺ |
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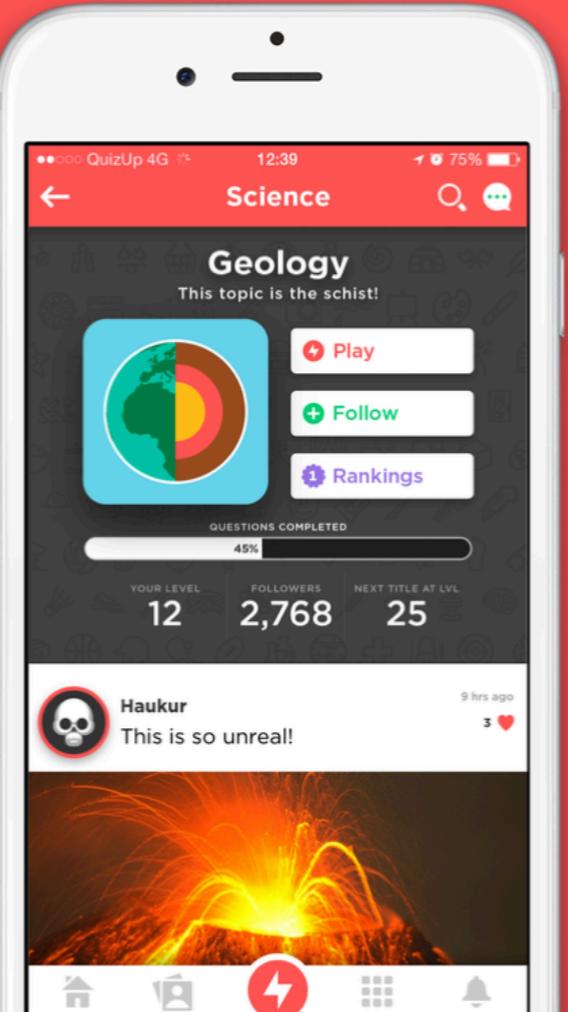
Ratings and Reviews

Screenshots

iPhone

iPad

Topics for every possible interest



Epic head-to-head battles!



Customize own pro



Assignment

1. Покрыт комментариями (10%)
2. Заливал каждое изменения в гит (15%)
3. Объяснил код (40%)
4. Переписал удаленный код во время защиты (35%)