

Design Pattern: Target-Action

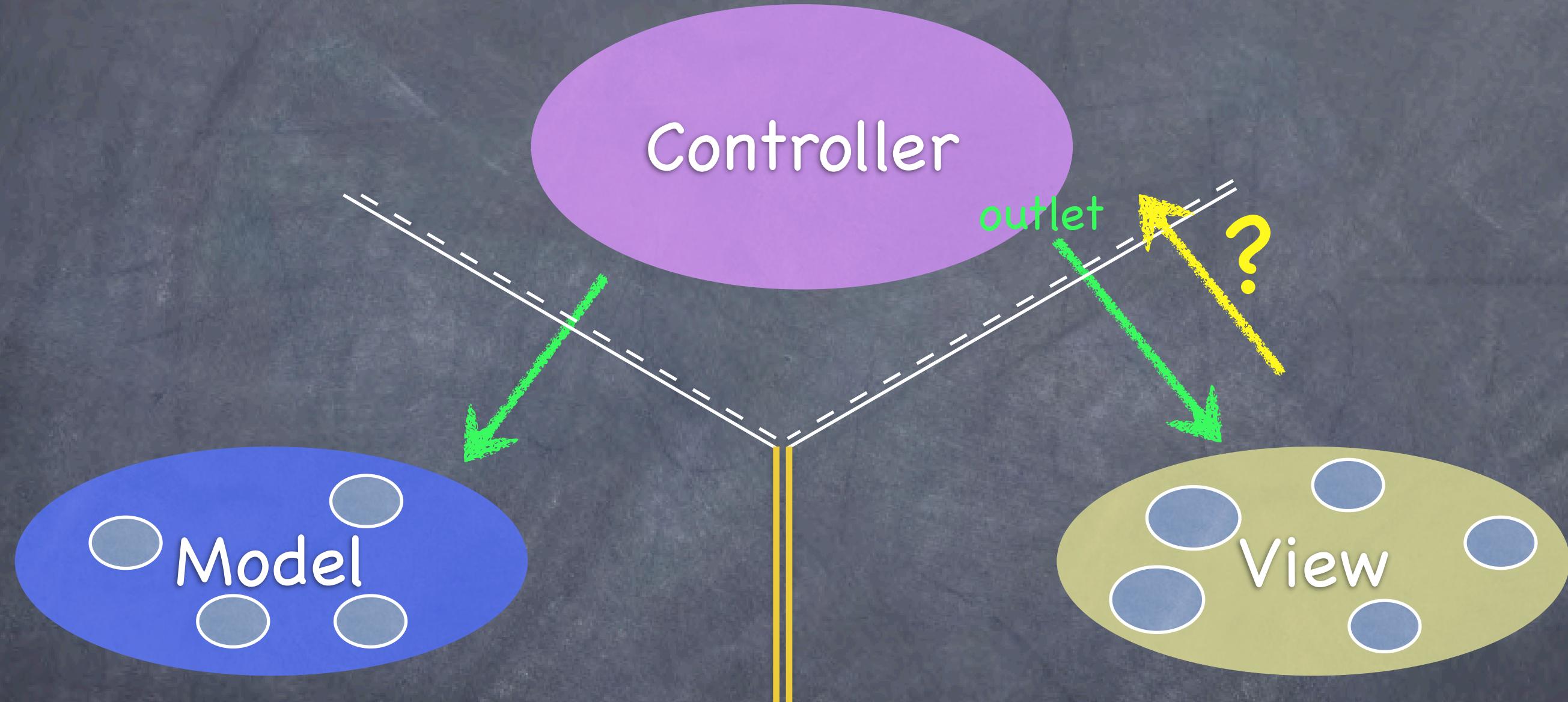
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Purpose

- ⦿ Send a message to another object, when an event occurs
- ⦿ Target: Object we want to inform about the event
- ⦿ Action: Message to send to the target

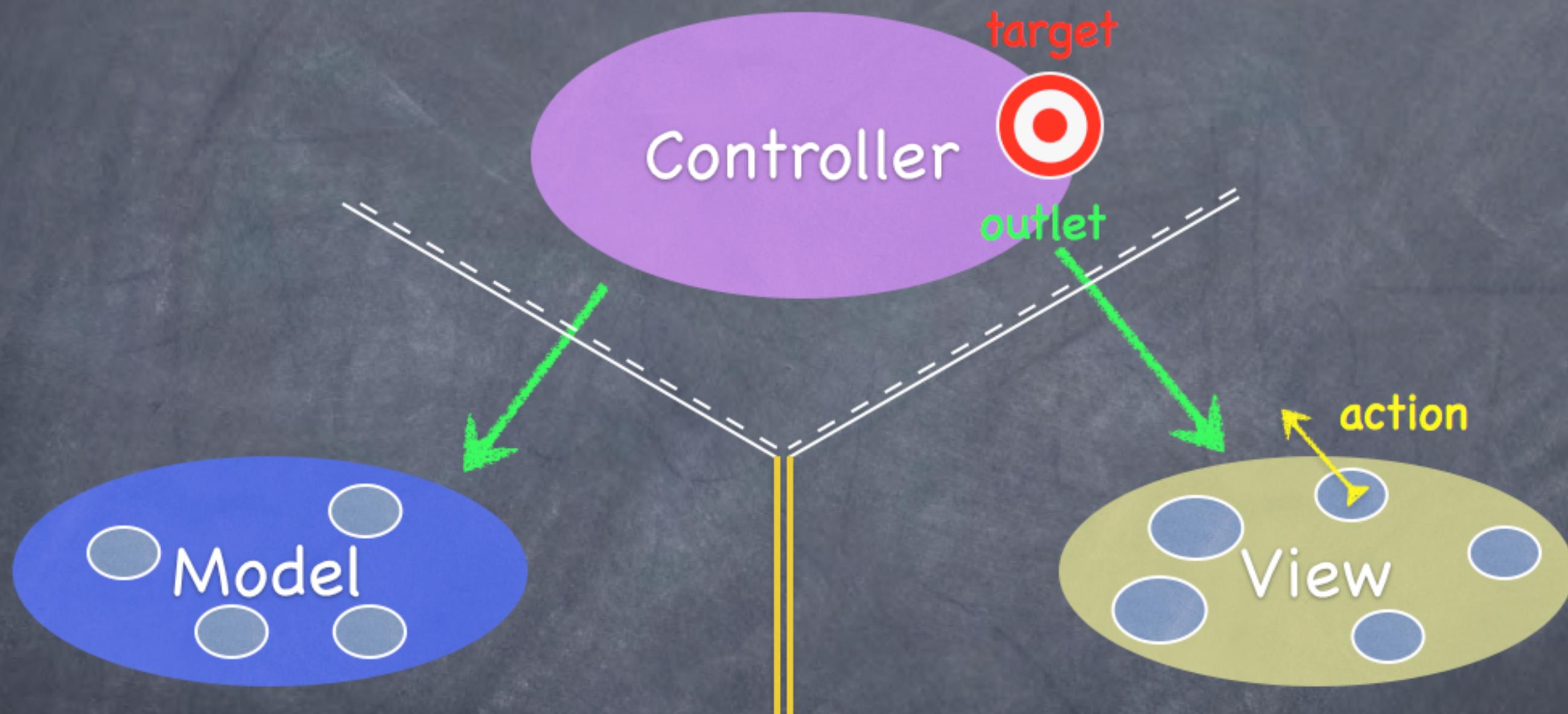
Recall: MVC
How does it fit?

MVC



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

MVC



The Controller can drop a **target** on itself.
Then hand out an **action** to the View.

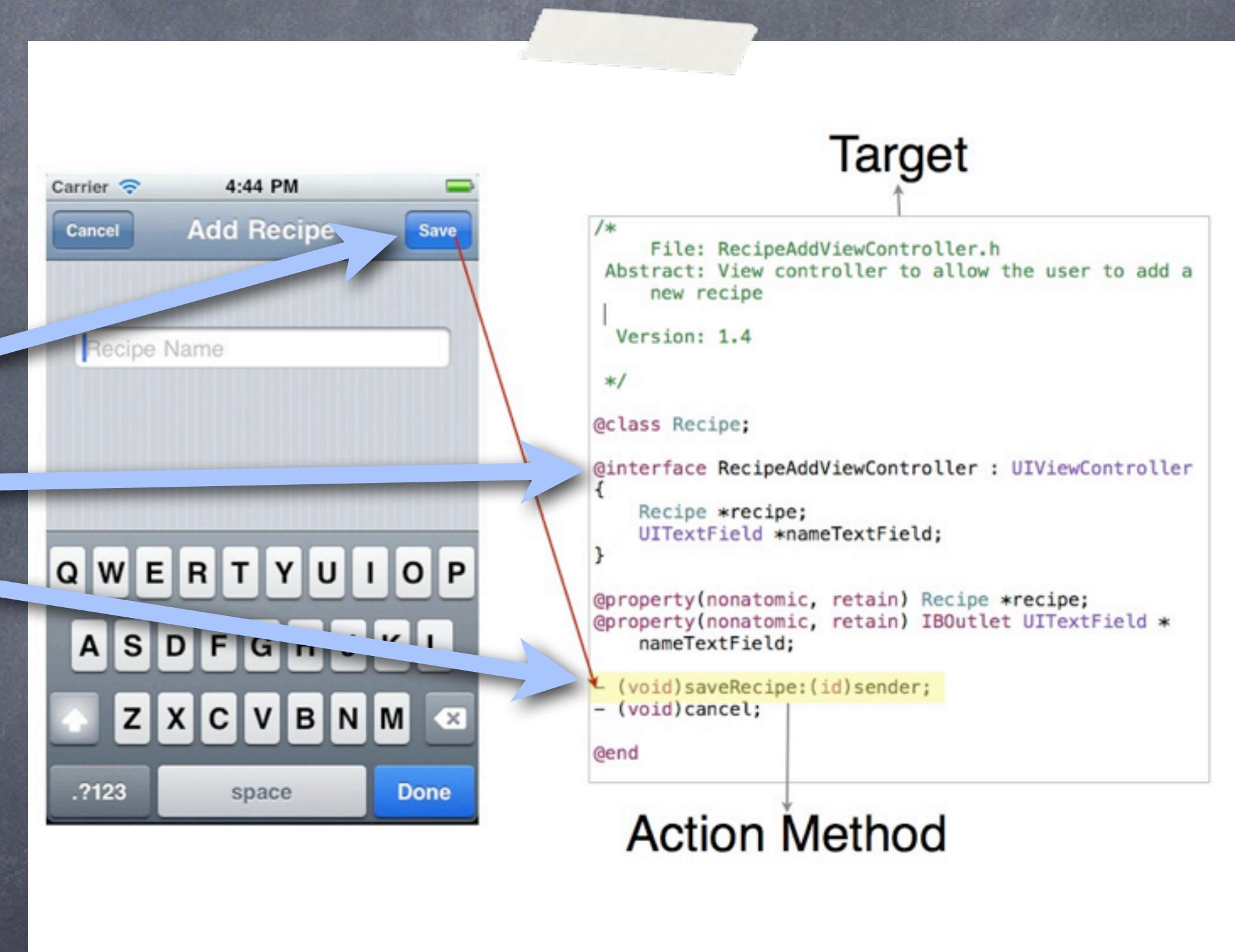
- Typical iOS use-case:
view informs controller (MVC)

- Example: User taps on button

View = Button

Target = Controller

Action = Save



Code Example

```
UIBarButtonItem *saveItem =  
[ [UIBarButtonItem alloc]  
initWithBarButtonSystemItem:UIBarButtonSystemItemSave  
target:recipeAddViewController  
action:@selector(saveRecipe:)];
```

Further Literature

- ⦿ iOS Design Pattern: Target-Action
<http://blog.teamtreehouse.com/ios-design-patterns-target-action-part-1>