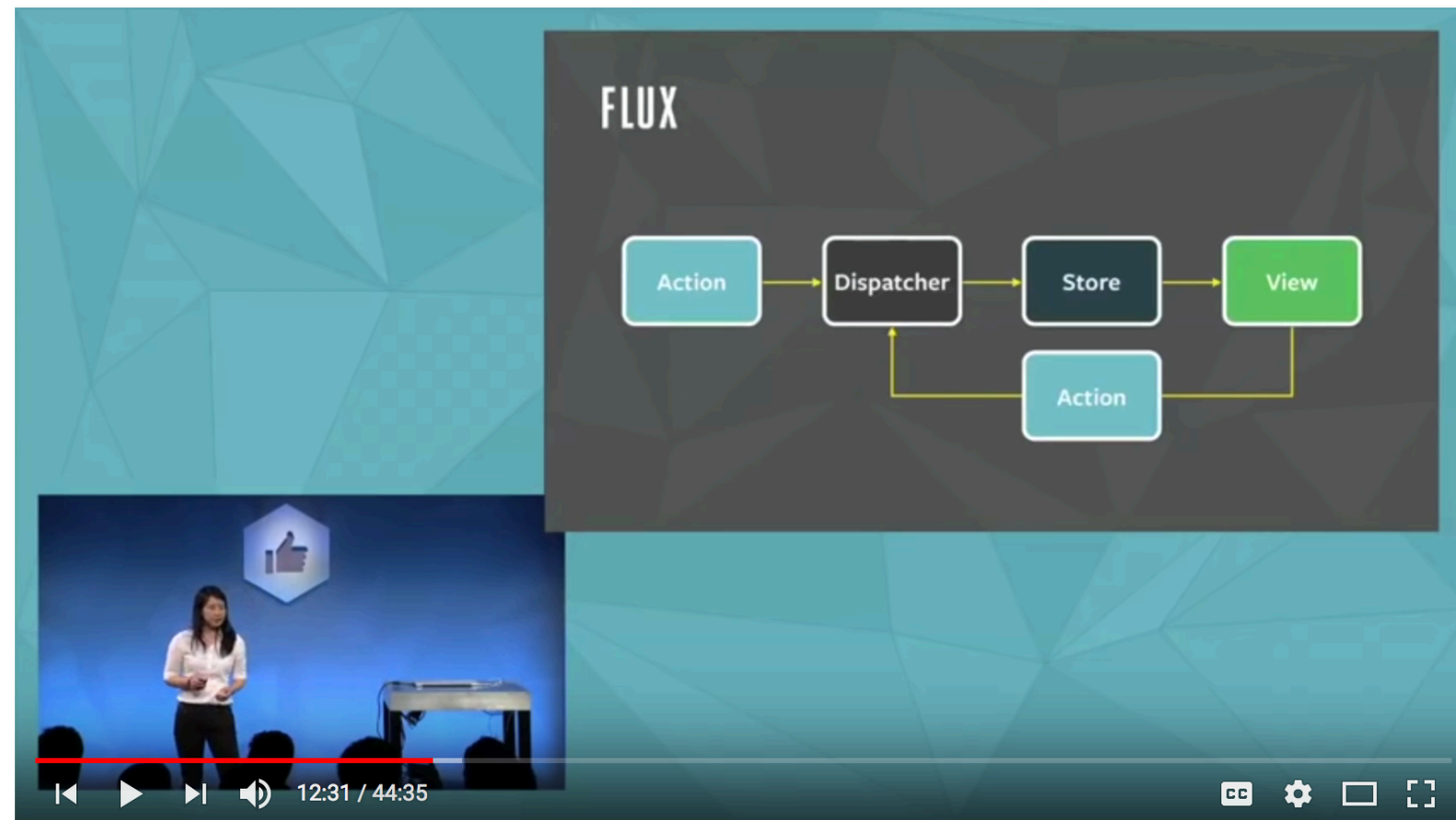




# **iOS Software Architectures**

# Facebook's Flux ⚡



Hacker Way: Rethinking Web App Development at Facebook

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**Facebook Developers**  
Published on May 4, 2014

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# Facebook's Flux ⚡



**Virgilio Sanz** 2 years ago

What's wrong with MVC & the Observer pattern?  
I believe you were doing it wrongly in the first place.

REPLY

12



**Леонид Декабрёв** 1 year ago

**10:51** it is not MVC. In the real MVC View doesn't send anything to model. It only sends something to User and User triggers Action.

REPLY

36



# Facebook's Flux ⚡



Dan Otto 1 year ago

Flux is the most stupid thing I've heard of in 2016.

REPLY 14  



martinwork100 2 years ago

Ok, got the point: Facebook programmers are bunch of uneducated stupid hipsters :(

REPLY 8  

# Facebook's Flux ⚡



Glial Cell 2 years ago

Flux is just another MV\* in disguise, but it sure is a well thought-out and well implemented one.

REPLY

3



***Flux is just another MV\* in disguise, but it sure is a well thought-out and well implemented one.***

# What's MVC really? 🐣



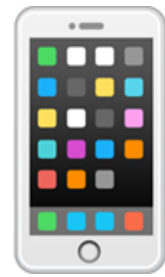
The original MVC report is written in 1979 by  
**Trygve Reenskaug**.<sup>1</sup>

<sup>1</sup> [heim.ifi.uio.no/~trygver/themes/mvc/mvc-index.html](http://heim.ifi.uio.no/~trygver/themes/mvc/mvc-index.html)

# What's MVC really? 🐣

*Jim Althoff and others implemented a version of MVC for the Smalltalk-80 class library after I had left Xerox PARC; I was not involved in this work. Jim Althoff uses the term Controller somewhat differently from me.*

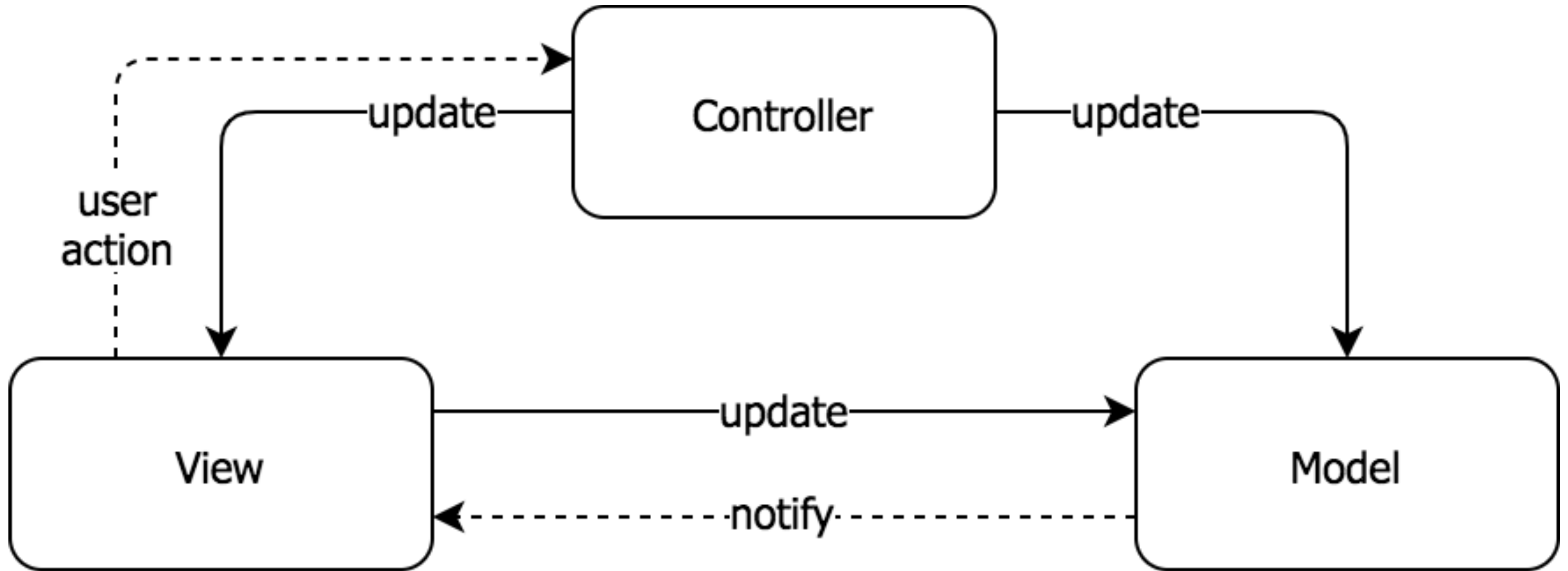
**— Trygve Reenskaug**



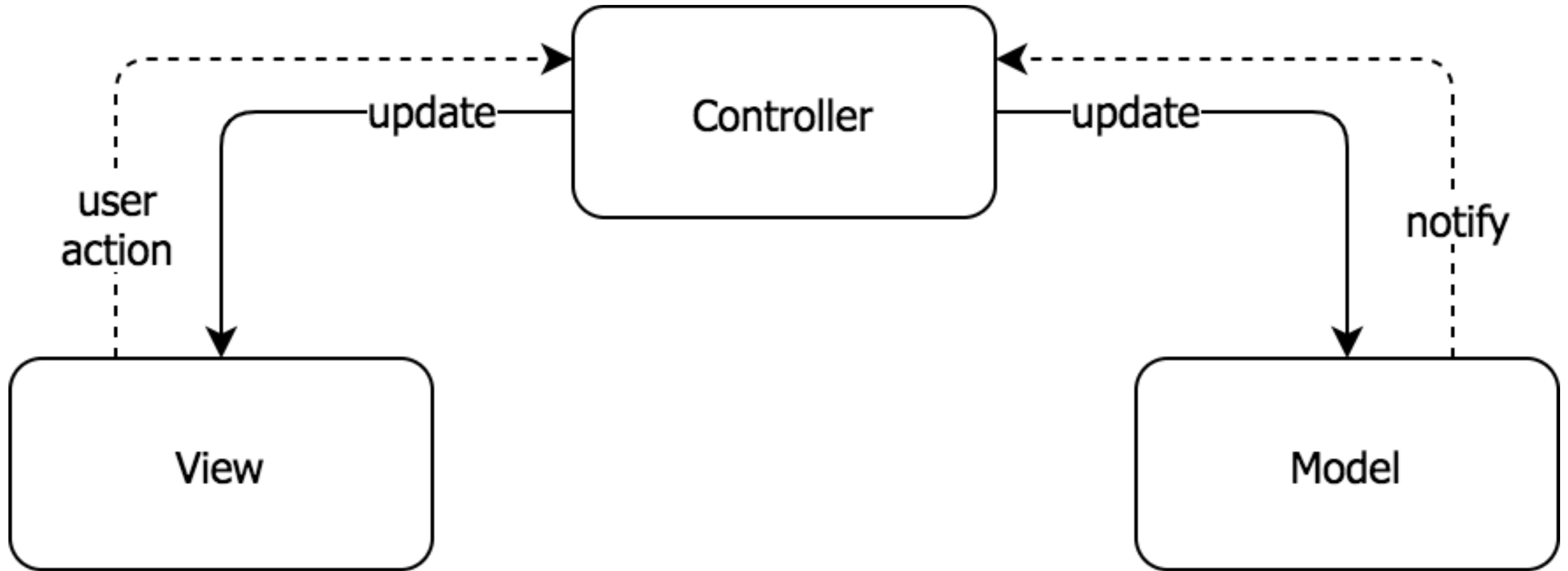
# Demo



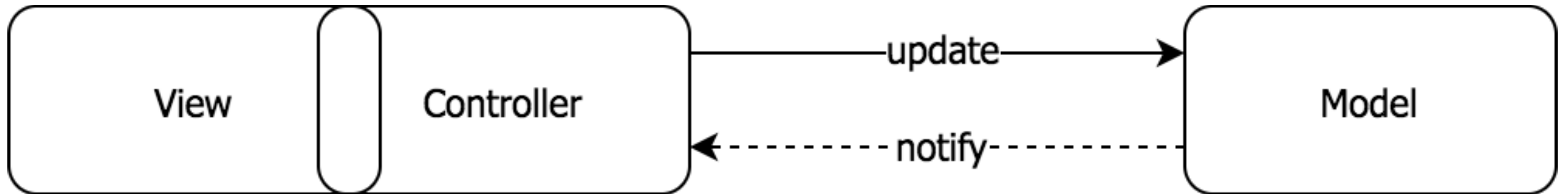
# MVC



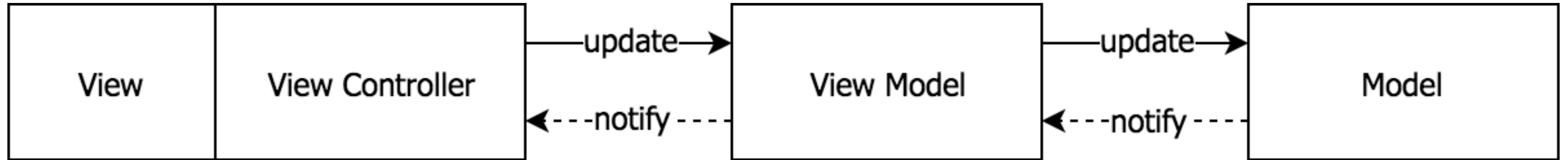
# Apple's MVC



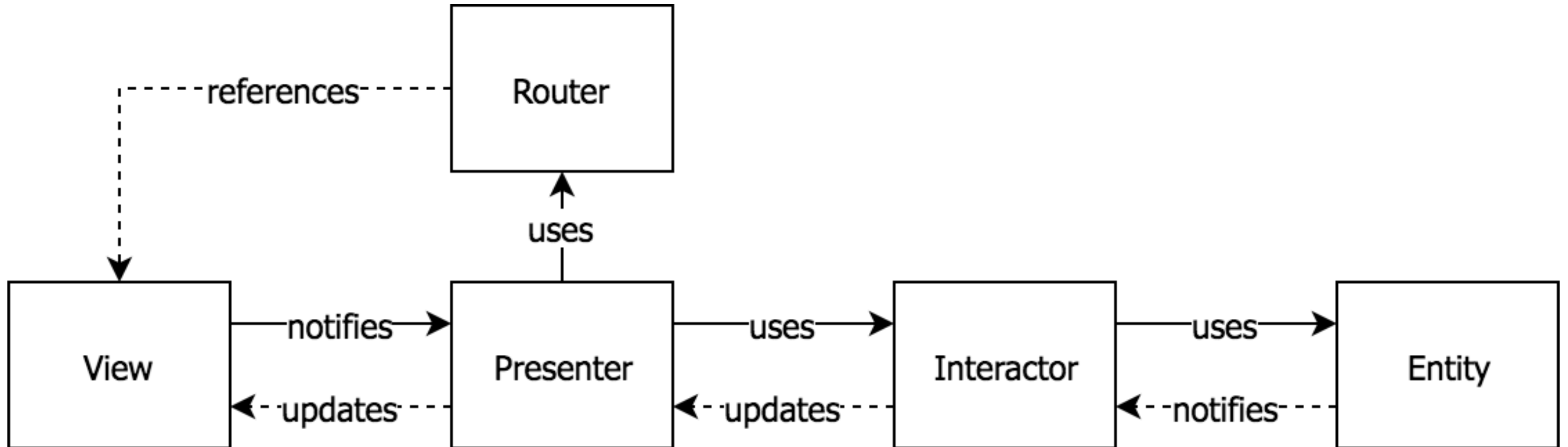
# Apple's MVC (Actual)



# MVVM



# VIPER



**MVC**  → **Apple's MVC**  → **MVVM**  → **VIPER** 

# Bottom Line

- MVC is controversial.
- Every architecture is a rule-set. Some has more rules than the others.
- You can mix and match architectures if necessary.
- Every choice is a trade-off and there are no silver bullets.


Carrier	11:07 PM	
Movies		
Dunkirk (2017)		
2017   Christopher Nolan		
Elf (2003)		
2003   Jon Favreau		
Home Alone		
1990   Chris Columbus		
American Made		
2017   Doug Liman		
National Lampoon's Christmas Vaca...		
1989   Jeremiah S. Chechik		
It's a Wonderful Life		
1947   Frank Capra		
It (2017)		
2017   Andrés Muschietti		
Kingsman: The Golden Circle		
2017   Matthew Vaughn		
Love Actually		
2003   Richard Curtis		

See [github.com/gokselkoksal/RedCarpet](https://github.com/gokselkoksal/RedCarpet) for sample implementation.





## Göksel Köksal

 [github.com/gokselkoksal](https://github.com/gokselkoksal)

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