## React JS

Flux Pattern: Introduction

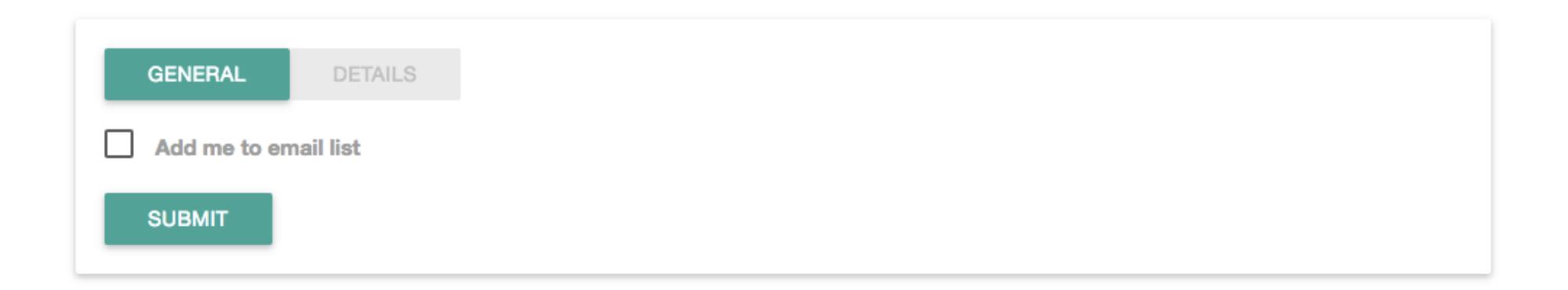
## Recap

- React JS is a framework library
- React JS plays mostly the role of 'View' in MVC
- React JS uses JSX, most commonly for rendering
- React JS believes in Virtual DOM
- State and Props: the two objects that carry information
- react-router: A module for switching between components

# Task

GENERAL	DETAILS		
First name			
Last name			
Email			

# Task



## Task

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optln: true

# Today's Plan



- What is Flux?
- Difference between Flux and MVC
- Action, Dispatcher, Store and View

## What is 'Flux'?

#### flux

/fl∧ks/ •

noun

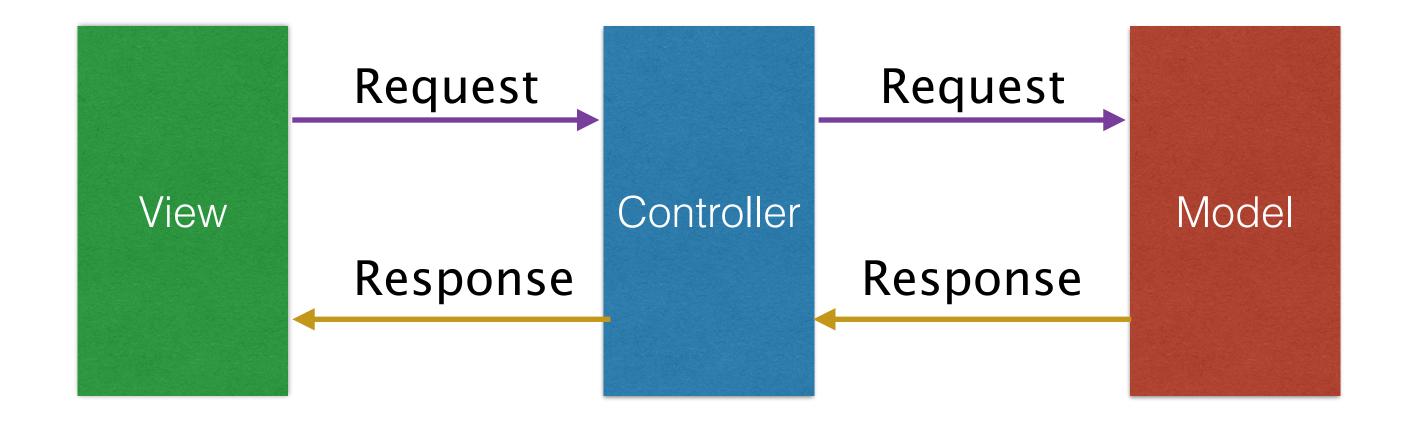
the action or process of flowing or flowing out.
"the flux of ions across the membrane"

This term was introduced into field of science by Isaac Newton

## What is 'Flux'?

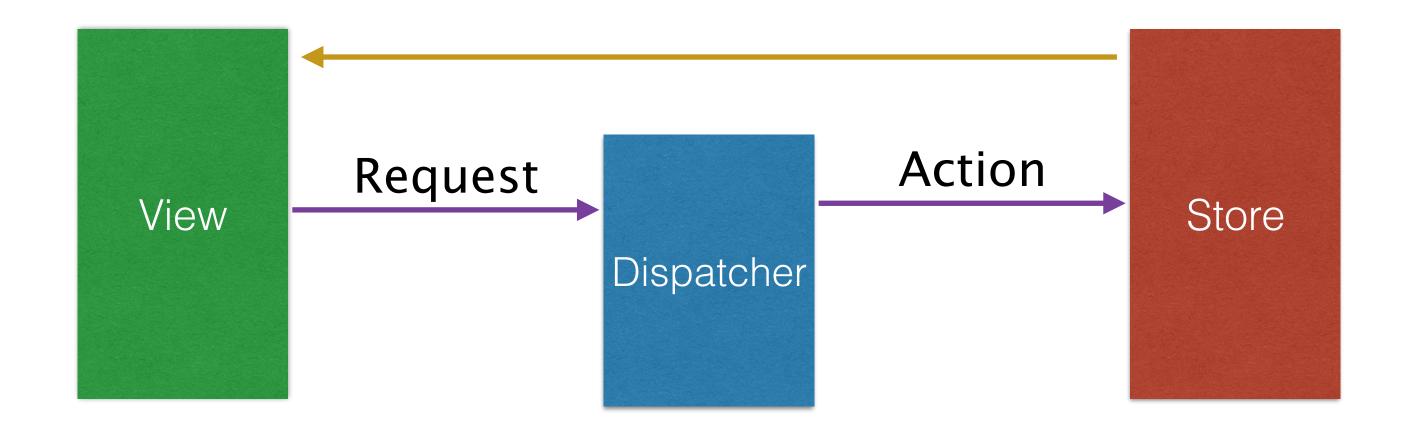
- It's more of a pattern rather than a formal framework
- It complements React's composable view components by utilizing a unidirectional data flow
- Three major parts: the dispatcher, the stores, and the views

## MVC vs Flux



Traditional MVC data flow

### MVC vs Flux

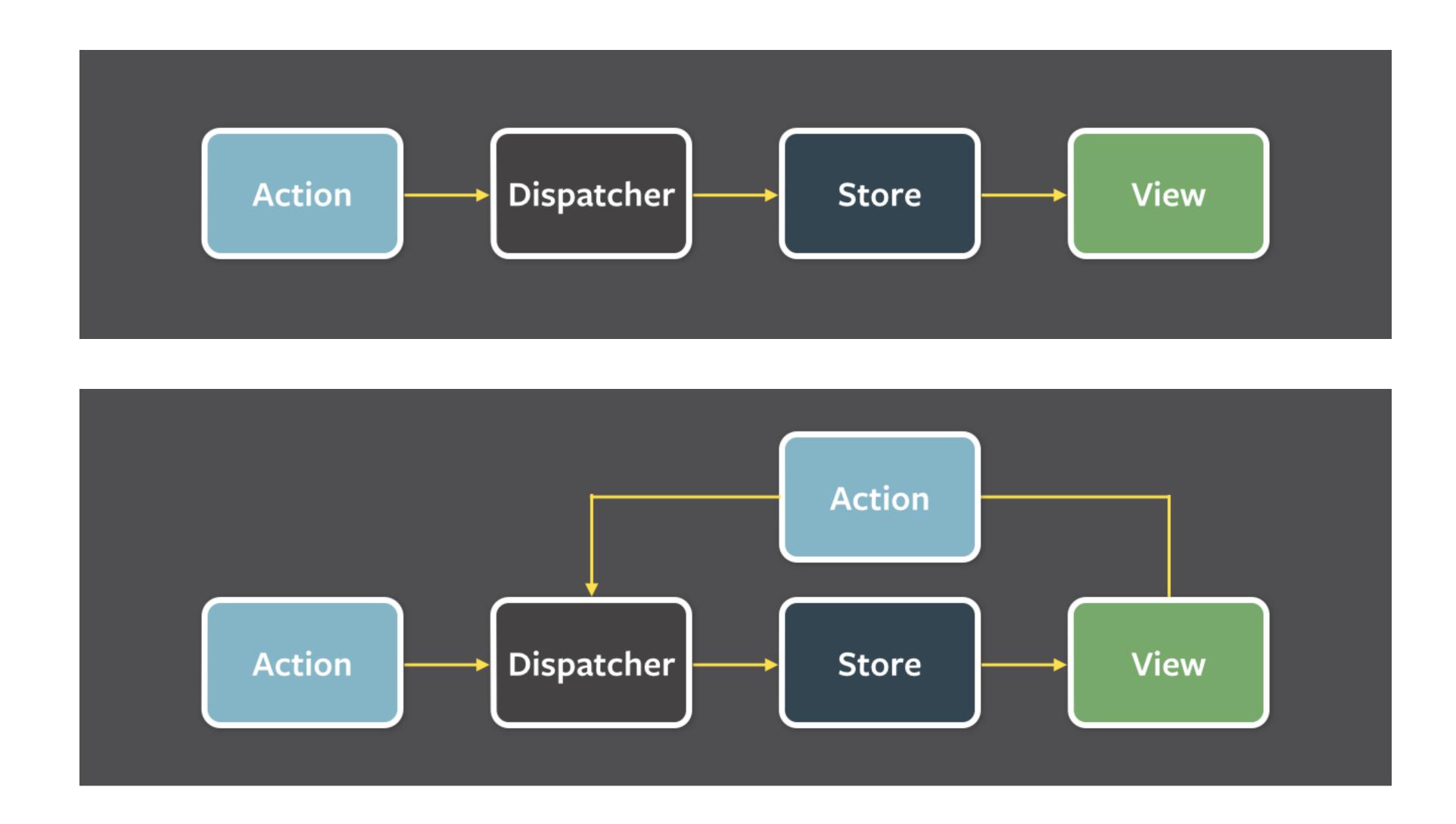


Flux data flow

### MVC vs Flux

- The Flow of the app is essential to Flux and there are very strict rules that are enforced by the Dispatcher. In MVC the flow isn't enforced and most MVC patterns implement it differently
- Unidirectional flow: Every change goes through the dispatcher. A store can't change other stores directly. Same applies for views and other actions. Changes must go through the dispatcher via actions. In MVC it's very common to have bidirectional flow
- Stores don't need to model anything and can store any application related state. In MVC models try to model something, usually single objects

## Action, Dispatcher, Store and View



### Action, Dispatcher, Store and View

