# 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

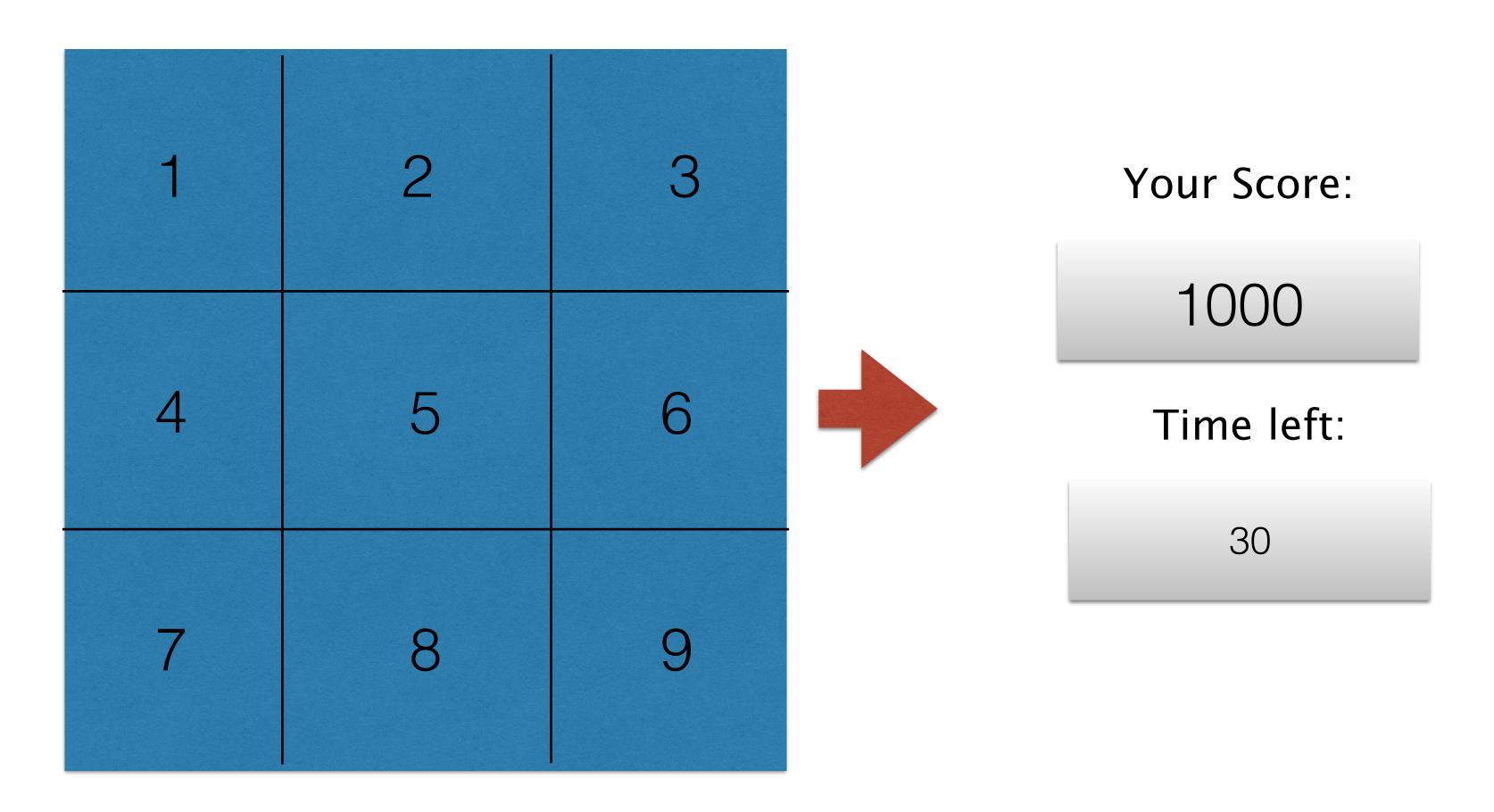
# Task

Enter your name

Go!

## Task

Welcome Saikat



Rule of game: Click the numbers to construct a prime number. If you can construct a 'x' digit prime number, you will be awarded 10^x points. For example, if you click 3 and press arrow, you will get 10 and if you click 3 and 7 (i.e you are constructing 37) you will be awarded 100 points. The winner will have to score maximum points within 30 secs time limit.

# Task

Your score: 1000

Play again

# Today's Plan



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

## What is 'Flux'?

#### flux

/fl∧ks/ •0

noun

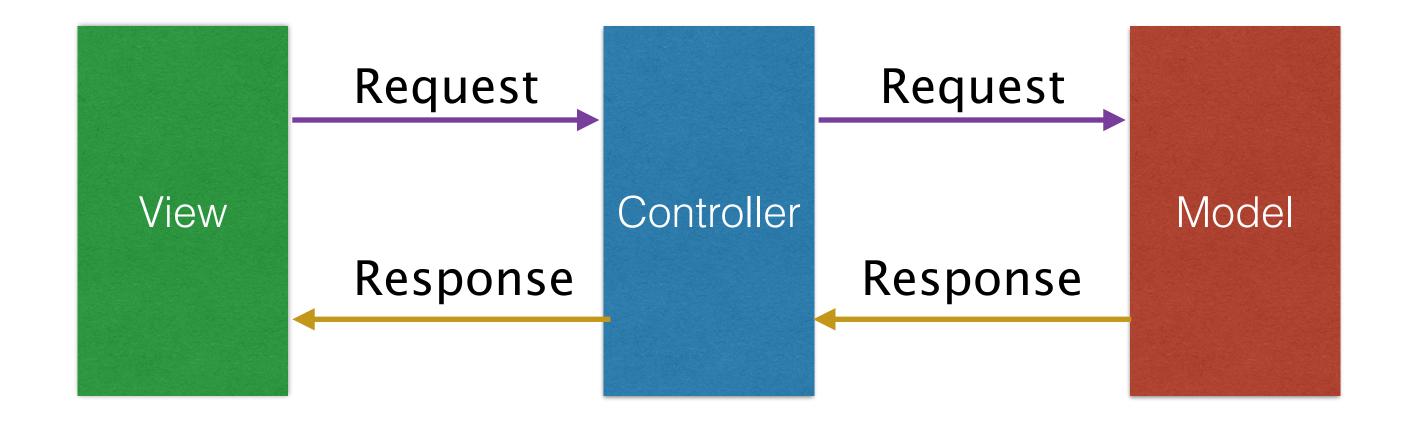
the action or process of flowing or flowing out.
"the flux of ions across the membrane"

This term was introduced into field of science by Isaac Newton

## What is 'Flux'?

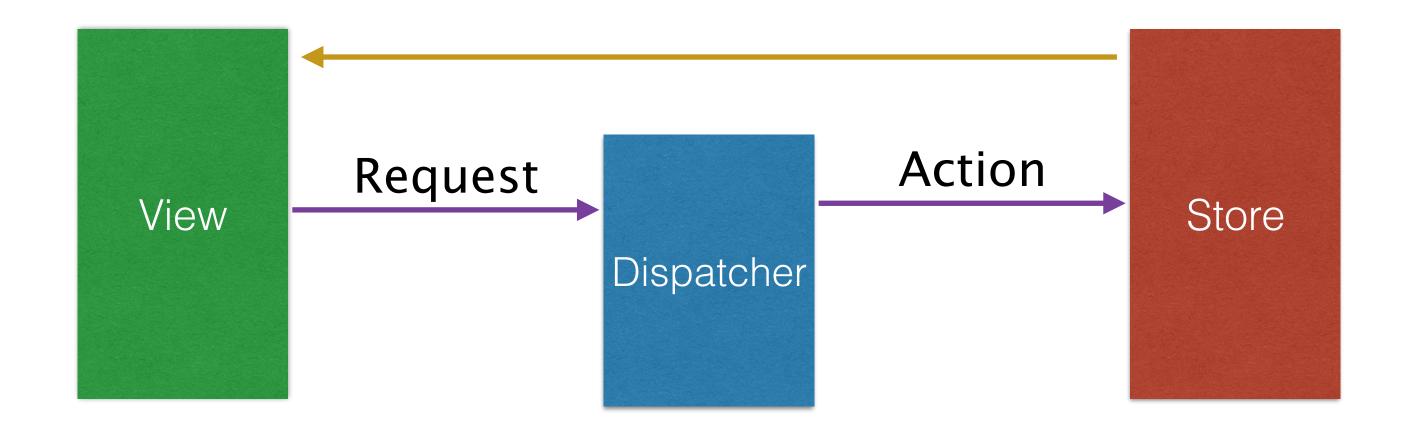
- It's more of a pattern rather than a formal framework
- It complements React's composable view components by utilizing a unidirectional data flow
- Three major parts: the dispatcher, the stores, and the views

## MVC vs Flux



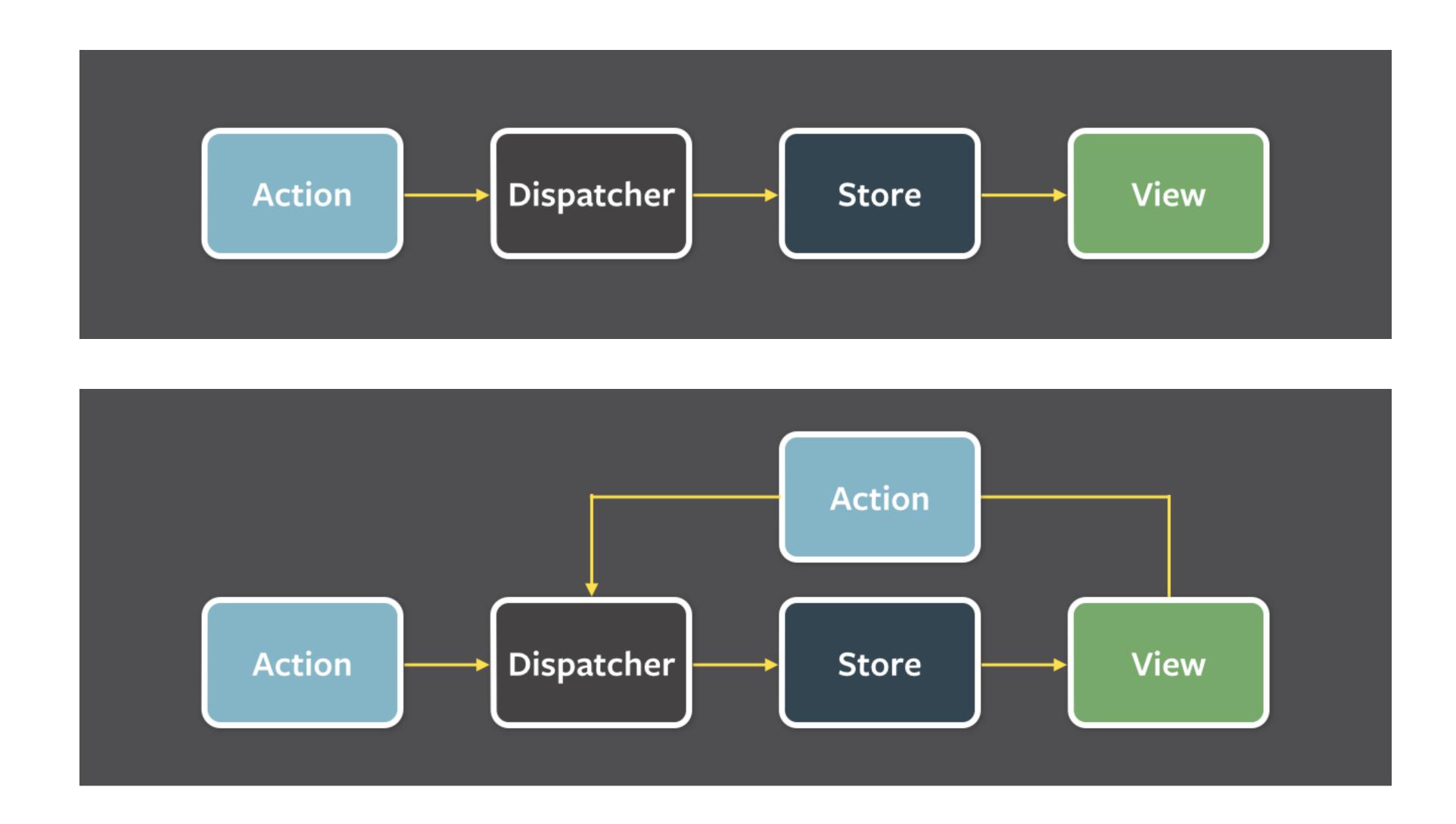
Traditional MVC data flow

### MVC vs Flux



Flux data flow

## Action, Dispatcher, Store and View



### Action, Dispatcher, Store and View

