

React Native移动开发技术

React与Flux

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本节内容

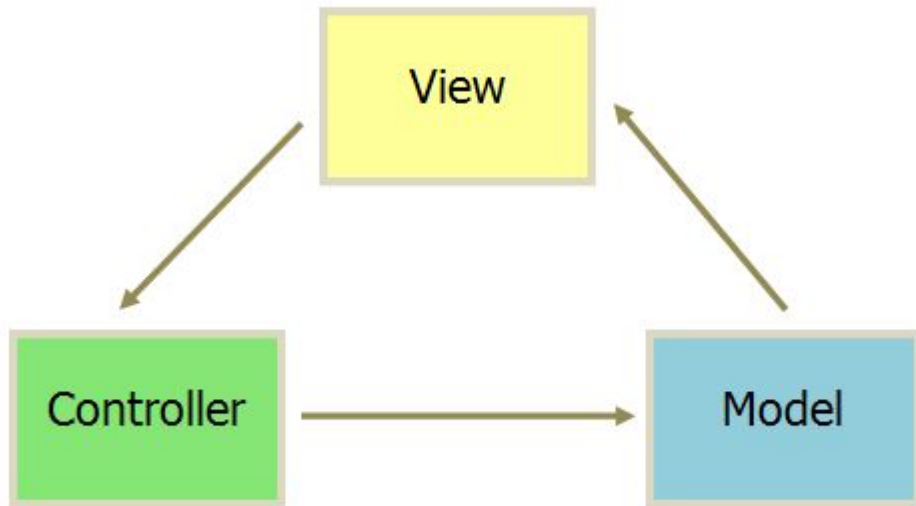
- React简介
- Flux简介

React简介

- 什么是React？
 - [React](#) is a JavaScript library for creating user interfaces by Facebook and Instagram.
 - Many people choose to think of React as the V in MVC.
 - Premier way to build big, fast Web apps with JavaScript.
 - React Native = 'build native mobile apps using JavaScript and React'.

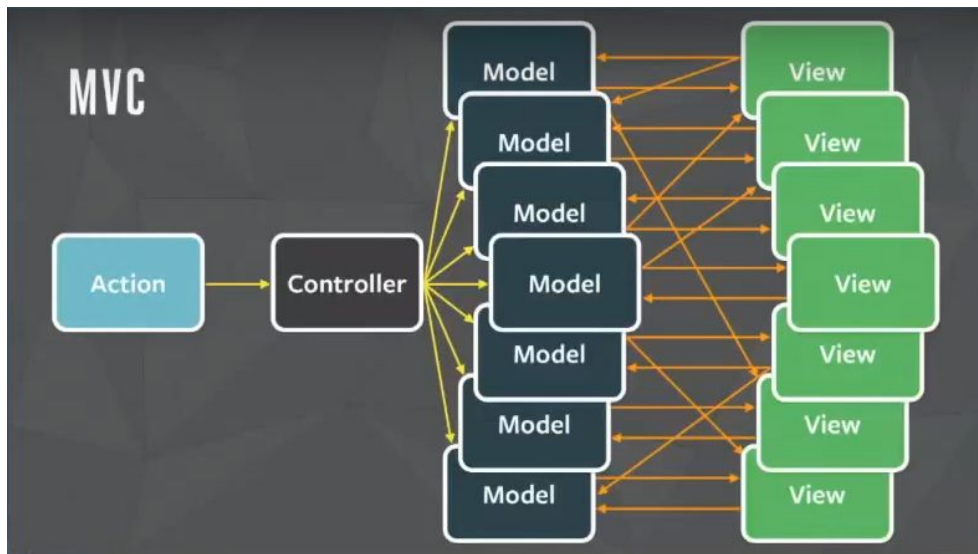
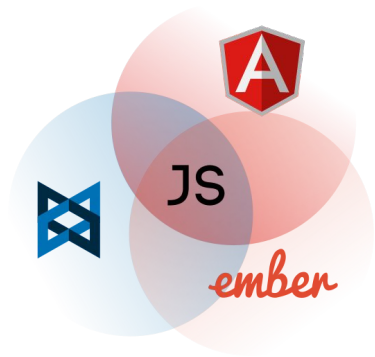
React简介

- 为什么选择React？
 - MVC



React简介

- 为什么选择React？
 - MVC大战
 - Web项目 复杂性逐渐增高



React简介

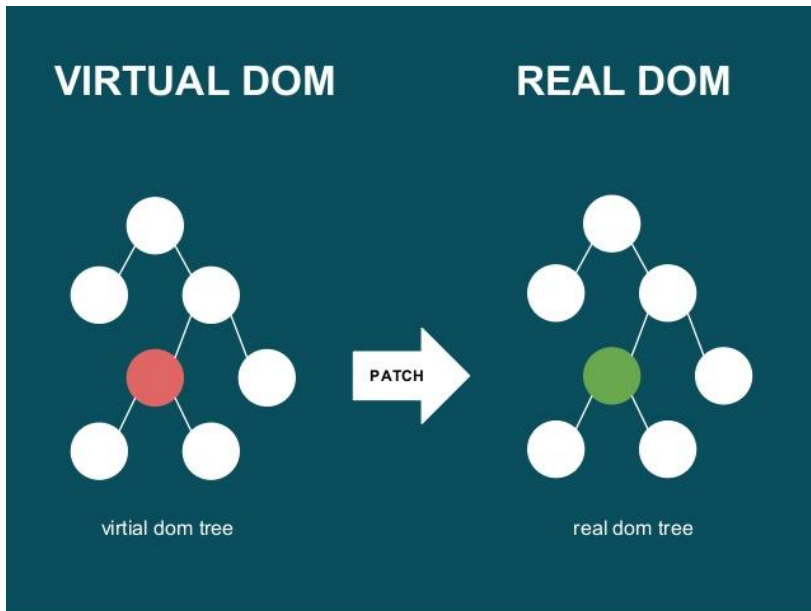
- React核心原则？
 - **Building large applications with data that changes over time**
 - Simple--Simply express how your app should look at any given point in time, and React will **automatically manage all UI updates** when your underlying data changes.
 - Declarative--When the data changes, React conceptually hits the "refresh" button, and knows to **only update the changed parts**.
 - Build Composable Components--React is all about building reusable components which **make code reuse, testing, and separation of concerns easy**.
 - One of the many great parts of React is how it makes you think about apps as you build them.

React简介

- 基本概念

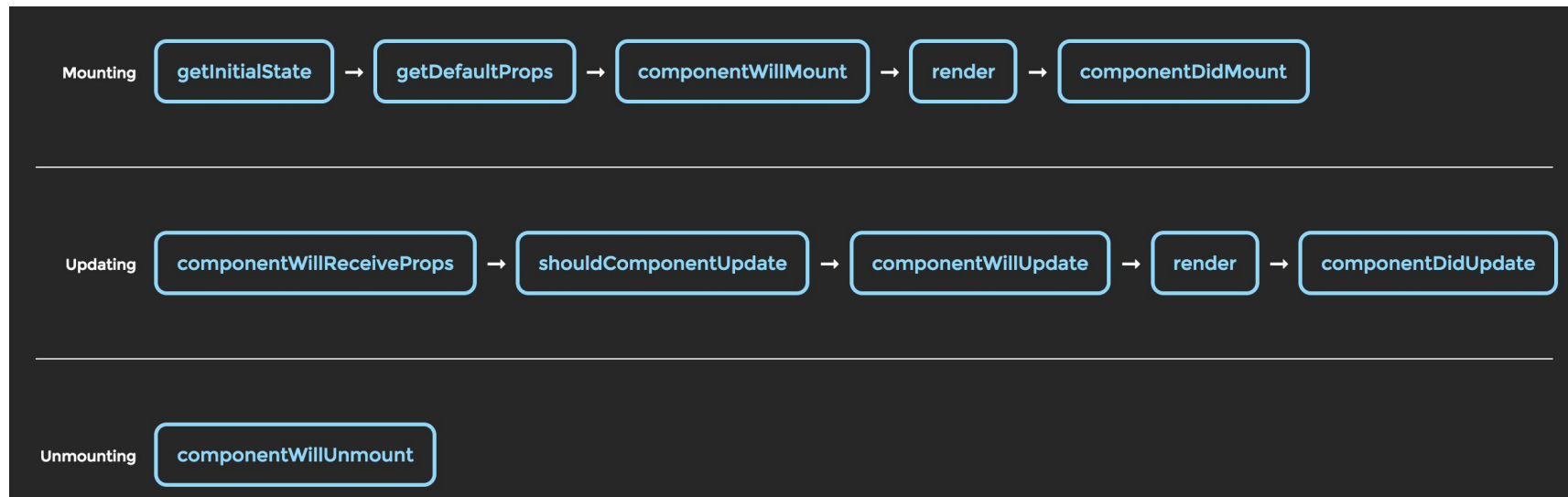
- React (Virtual) DOM Terminology
 - ReactElement and ReactComponent
 - DOM diff
- JSX
- Components
 - Reusable
 - Testable
 - Composable

- Example



React简介

- React的生命周期



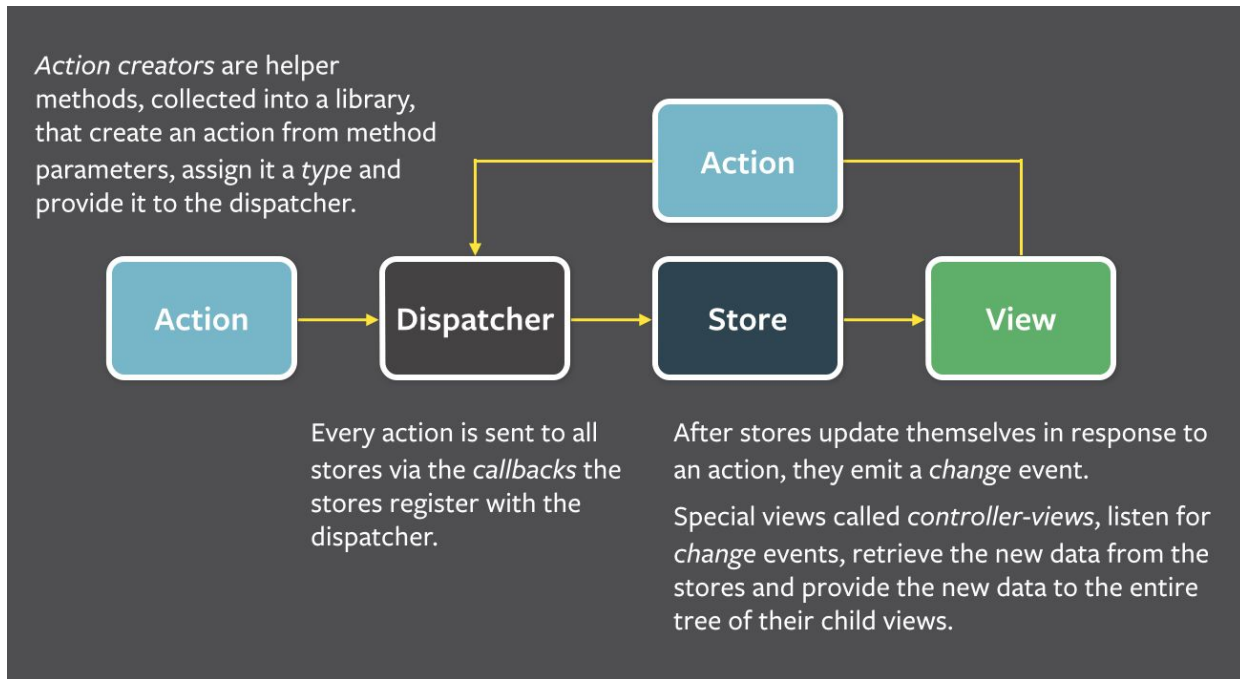
Flux简介

- 什么是Flux
 - Flux is the **application architecture** that Facebook uses for building client-side web applications.
 - It **complements** React's composable view components by eschewing MVC in favor of a **unidirectional data flow**.
 - It's more of a **pattern** rather than a formal framework, and you can start using Flux immediately without a lot of new code.

Flux简介

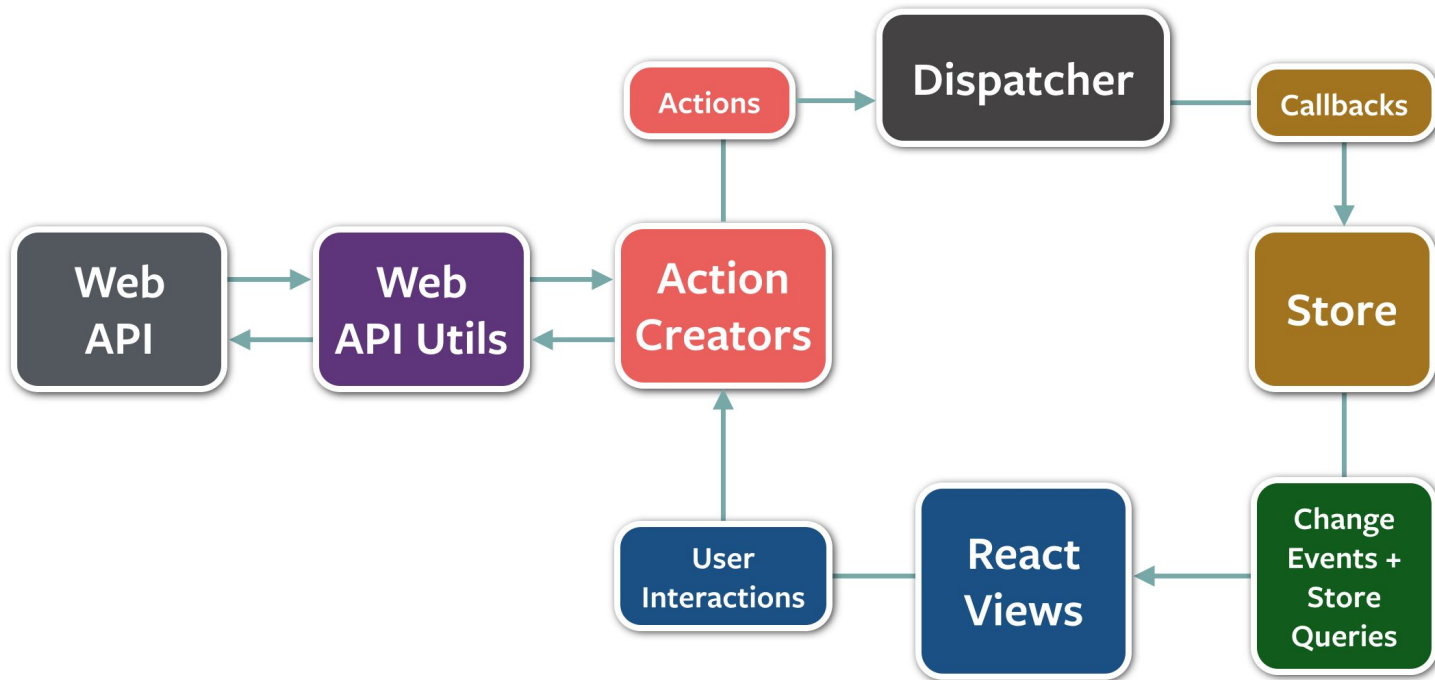
- 基本概念

- Dispatcher
- Store
- View
- Action



Flux简介

- An application architecture for React utilizing a unidirectional data flow.



Flux简介

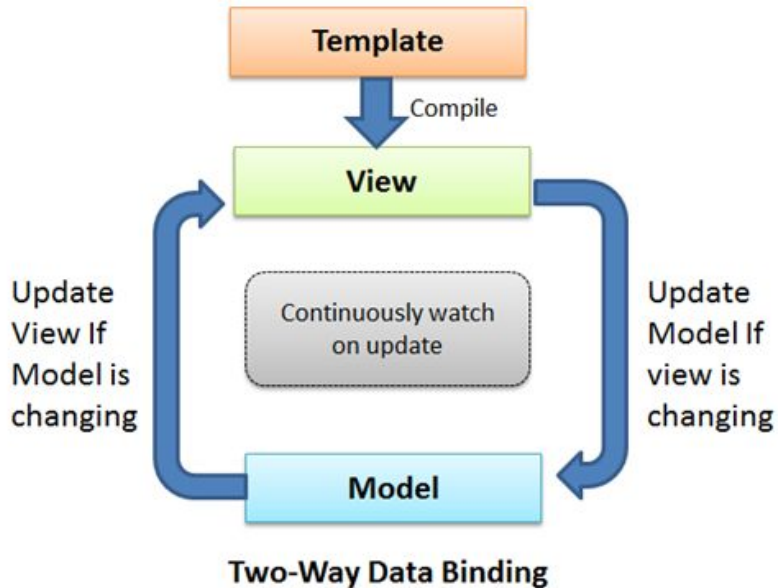
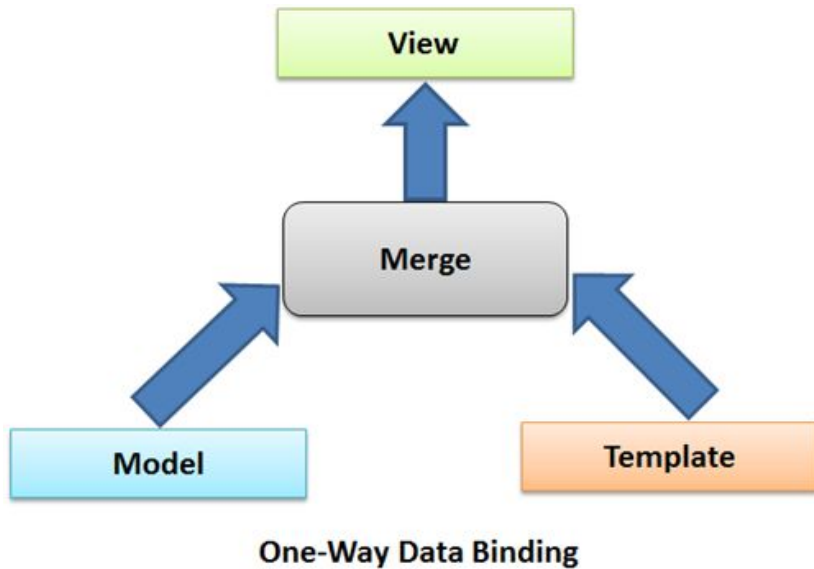
- Flux vs. MVC

MVC vs Flux



Flux简介

- Flux vs. MVC
 - 1-way vs. 2-way



Flux简介

- [Example](#)

React



React+Flux

相关引用

1. [React](#)
2. [React中文网](#)
3. [MVC、MVP 和 MVVM 的图示](#)
4. [你对MVC、MVP、MVVM 三种组合模式分别有什么样的理解？](#)
5. [阮一峰《React入门实例教程》](#)
6. [Flux](#)
7. [Todomvc](#)