

Date : 07 - 07 - 2020

Morning Session : 9 am – 11.00 PM

By ~ Sundeep Charan Ramkumar Today

## Topics: React Day 1 (Redux Intro)

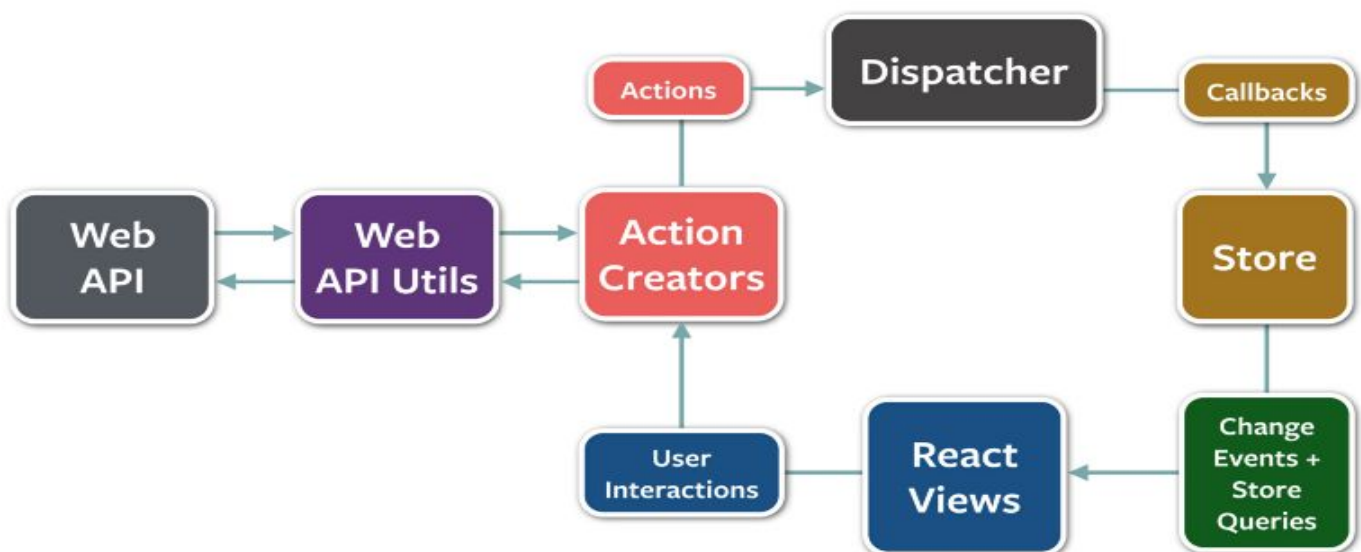
### 1) Flux architectural

### 2) Redux

#### 1) Flux architectural :

Flux is an architectural pattern proposed by Facebook for building SPAs. It suggests to split the application into the following parts:

- Stores
- Dispatcher
- Views
- Action / Action Creators
- <https://www.freecodecamp.org/news/an-introduction-to-the-flux-architectural-pattern-674ea74775c9/>



- Flux has multiple store while Redux has single store

## What is the MVC Pattern?

- **Model:** Structures your data in a reliable form and prepares it based on controller's instructions
- **View:** Displays data to user in easy-to-understand format, based on the user's actions
- **Controller:** Takes in user commands, sends commands to the model for data updates, sends instructions to view to update interface.

## MVC vs Flux vs Redux – The Real Differences

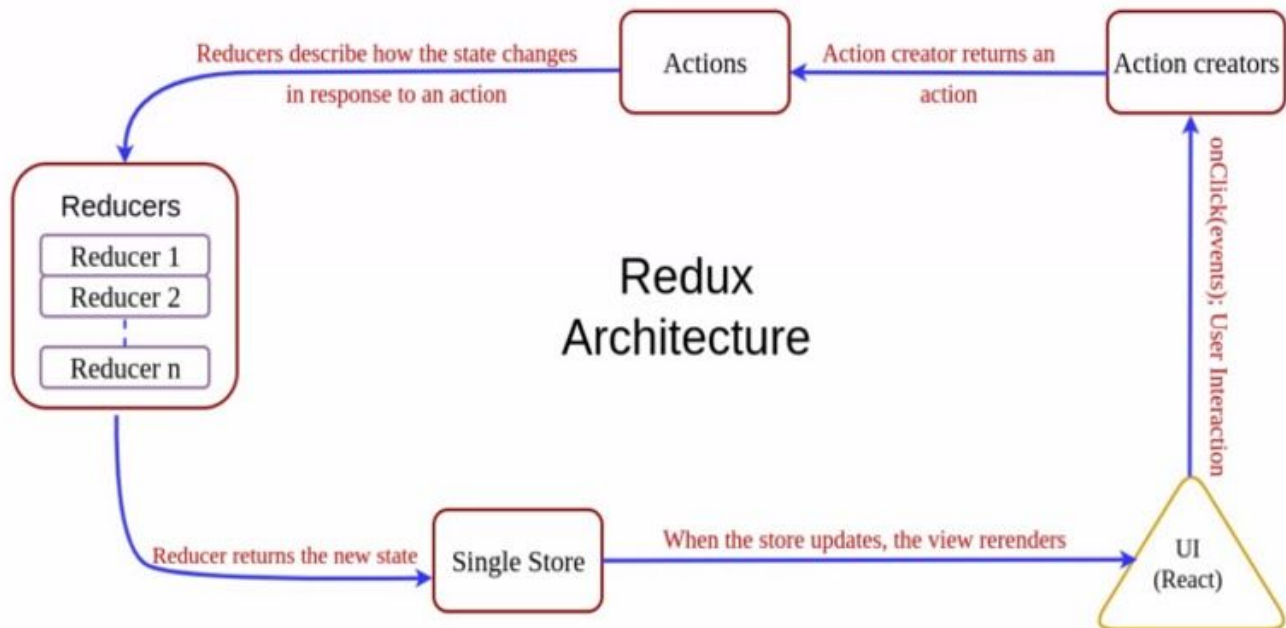
MVC	Flux	Redux
<ul style="list-style-type: none"><li>· MVC – Model View Controller:</li><li>· Architectural design pattern for developing UI</li></ul>	Application architecture designed to build client-side web apps.	<ul style="list-style-type: none"><li>· Open-source JavaScript library used for creating the UI</li><li>· It generally works with React &amp; angular development.</li></ul>

<https://www.clariontech.com/blog/mvc-vs-flux-vs-redux-the-real-differences>

## Redux:

Redux is a state container for JavaScript apps. It is most commonly paired with React, where it takes control of state away from React components and gives it to a centralised place called a 'store'.

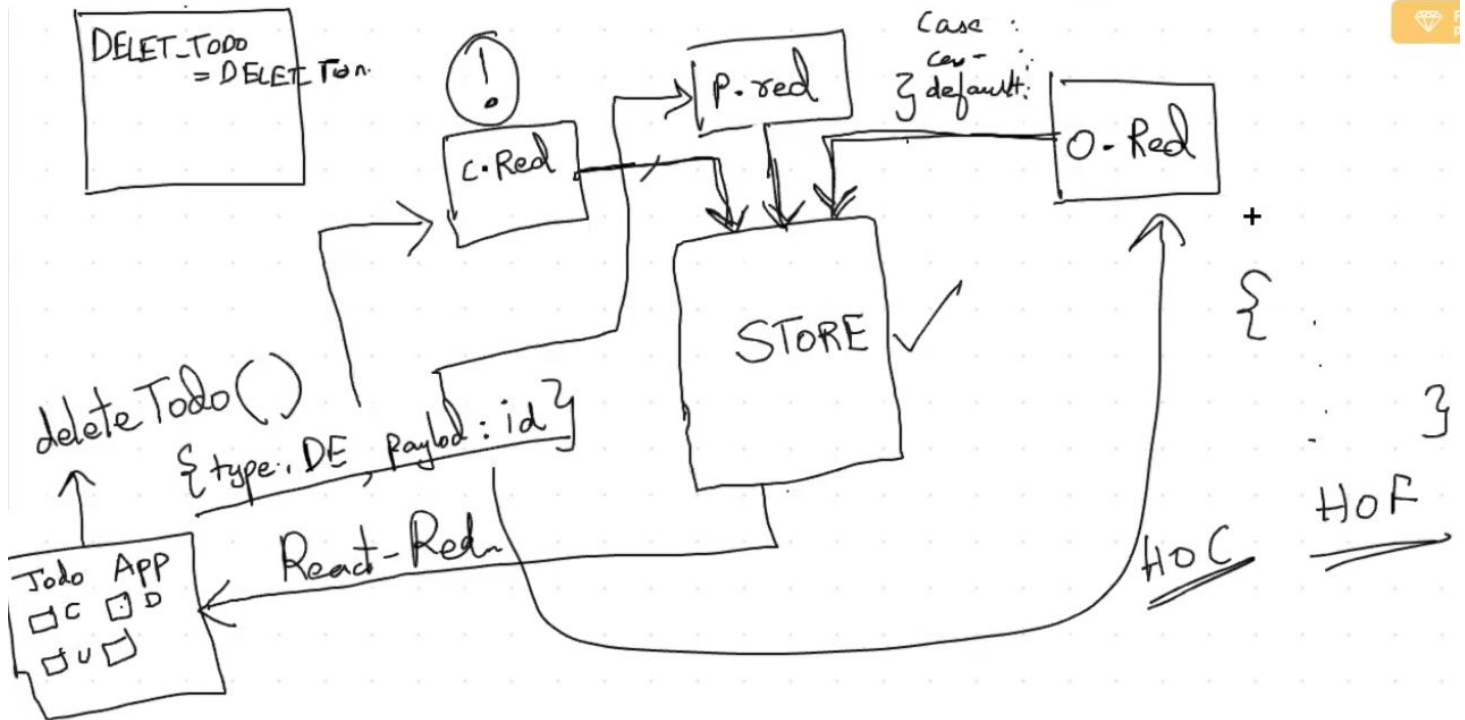
## working mechanism of redux:



<https://code.tutsplus.com/tutorials/getting-started-with-redux-why-redux--cms-30>

Switch() {

Case :  
Case -  
default:



Redux follows the pattern of two-way binding. True or False?

Attempted - 29 (76.32%)

EASY



☐ True

27.59%

☒ False

72.41%

Which part in redux is responsible to trigger the dispatches?

Attempted - 29 (76.32%)

EASY



☐ reducers

6.9%

☒ action

93.1%

☐ store

6.9%

A redux store is being formed by which mini things?

Attempted - 41 (87.23%)

EASY



- |                                     |            |        |
|-------------------------------------|------------|--------|
| <input type="checkbox"/>            | Dispatcher | 24.39% |
| <input type="checkbox"/>            | Action     | 17.07% |
| <input checked="" type="checkbox"/> | Reducer    | 58.54% |

Which concept of React is used for the components to be aware of the redux store change?

Attempted - 18 (38.3%)

EASY



- |                                     |                        |        |
|-------------------------------------|------------------------|--------|
| <input type="checkbox"/>            | Render props           | 22.22% |
| <input type="checkbox"/>            | Conditional rendering  | 5.56%  |
| <input checked="" type="checkbox"/> | Higher Order Component | 83.33% |

