React JS

Core concepts

Saikat Bhattacharya | 382029
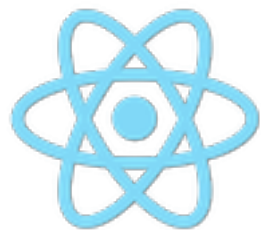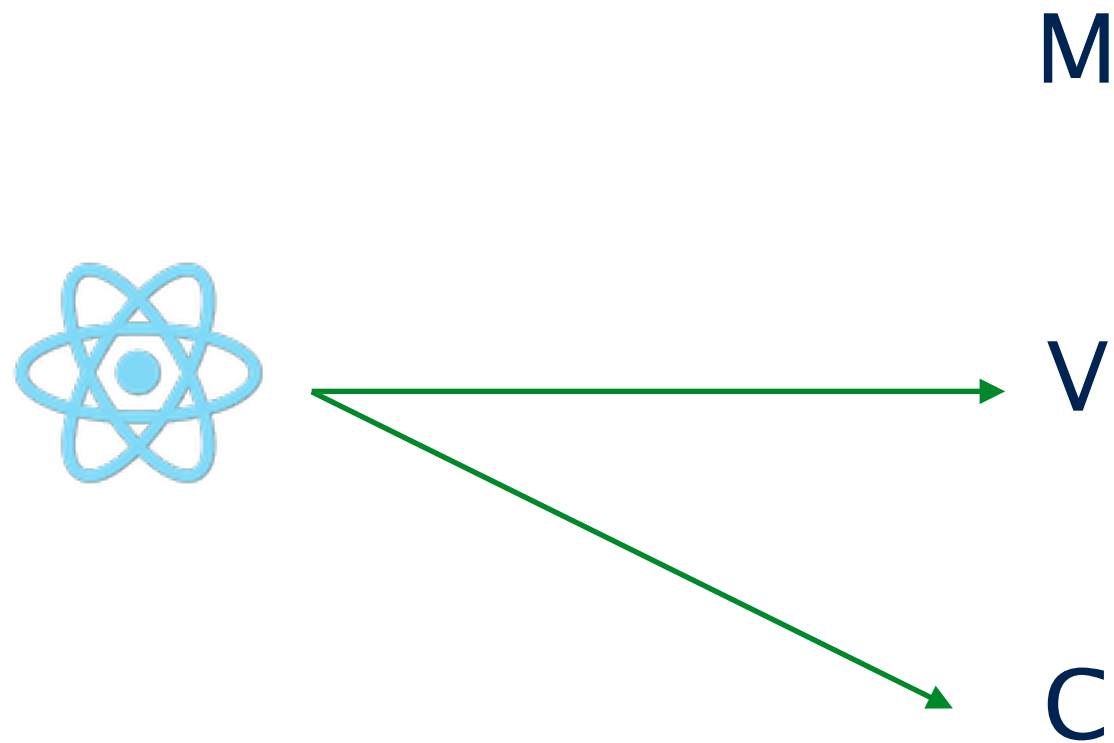
Recap

- React is a library – not a framework!
- Uni-directional data flow – Flux
- Virtual DOM
- ES6 style of coding
- Webpack – a module bundler
- Babel – ES6 to ES5 transpiler
- ESLint – JS linting
- npm Script

Topics

- React and MVC
- JSX
- Virtual DOM
- Demo

React and MVC

JSX

- 'HTML' in JS

- Differences: 'className', 'htmlFor'
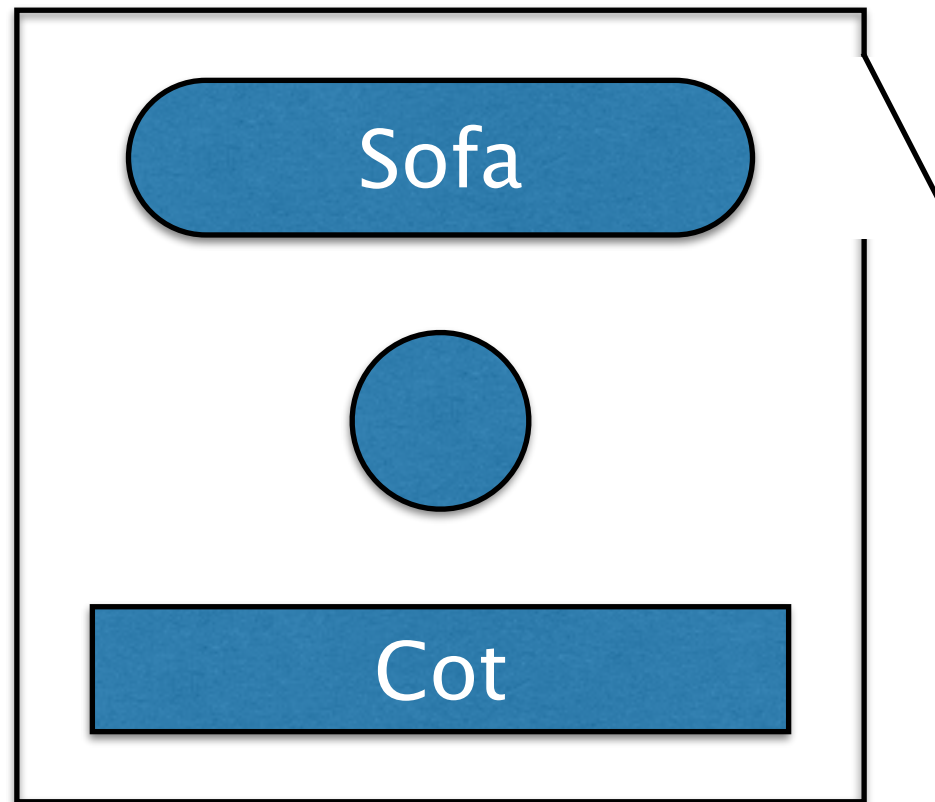
- Compiles to Javascript

- Optional

JSX
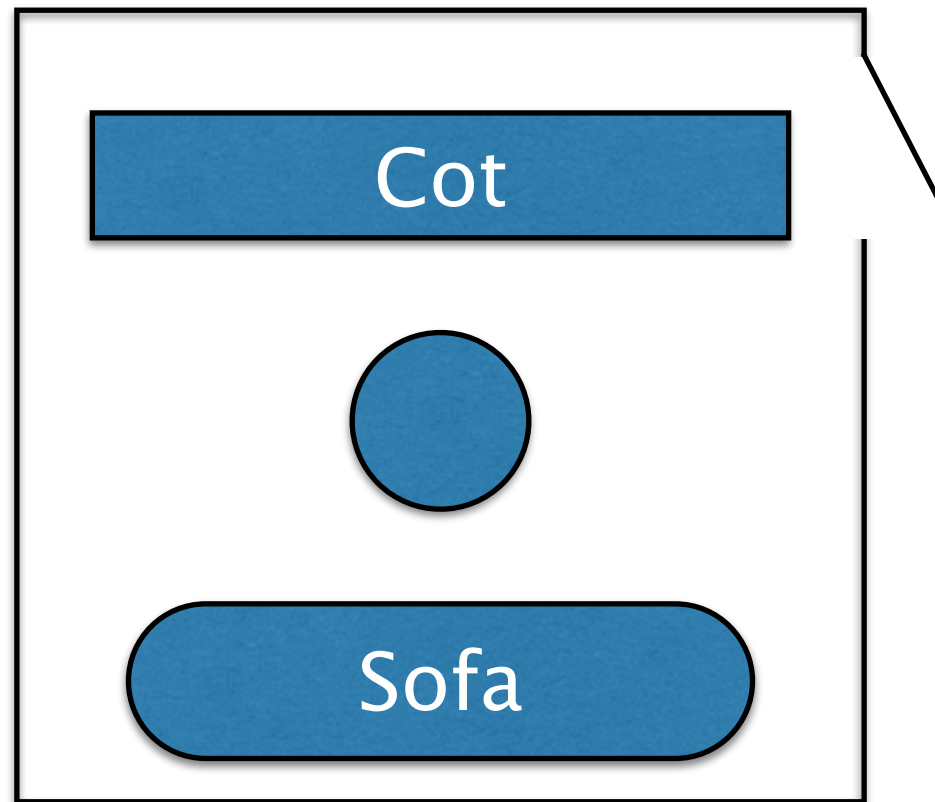
```
<h1 color='red'> My Heading</h1>
```

```
React.createElement('h1',{color:'red'},'My Heading')
```

Virtual DOM

Virtual DOM

Virtual DOM

Updating actual DOM is expensive

Summary

- React is the V and C of MVC

- JSX: 'HTML' in JS

- Virtual DOM: The cheapest way of rendering