REACT

A JAVASCRIPT LIBRARY FOR BUILDING USER INTERFACES

PRESENTED BY

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WHAT IS REACT?

A JavaScript library for building user interfaces
The V in MVC

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A bridge between a declarative and an Imperative API

- Jim Sproch

SIMPLE COMPONENT

Picture if you will an icon with three states. Simple Bell (no messages). Bell with a count (1-99 messages). Bell on fire (99+) messages.

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Virtual DOM

PETE HUNT - SECRETS OF REACT'S VIRTUAL DOM

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- Facebook
- Instagram
- Netflix
- Walmart
- Github
- PayPal
- Hip Chat

- Khan Academy
- Yahoo
- AirBnb
- Microsoft
- Twitter (fabric)
- KiteMatic
- And more ...

BASIC COMPONENT

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COMPOSE COMPONENTS

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DATA DOWN

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AND DOWN

http://localhost:3000/#/?export

COMPONENTS SHORTHAND

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COMPONENT API

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COMPONENT LIFECYLE

```
//App.js
import React from 'react';

class App extends React.Component {
   constructor(props) {
      super(props);
      this.state = {count: props.initialCount}}
}

componentWillMount(){}

componentWillReceiveProps(){}

componentWillUpdate(){}

render() {
   return(<button onClick={::this.clickEvent}></button>)}

//custom event
clickEvent() {
   this.setState({count: this.state.count + 1})}
}

componentWillUnmount() //any cleanup needed
}

App.propTypes = { initialCount: React.PropTypes.number }
App.defaultProps = { initialCount: 0 }
```

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DEMO TIME

http://localhost:3000/#/?export

RICH COMPONENT ECOSYSTEM

REACT ROCKS REACT COMPONENTS

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