@tukkajukka

JSX

```
var Hello = React.createClass({
    render: function() {
        return <div>Hello {this.props.name}</div>;
    }
});

React.render(<Hello name="World" />, document.body);
```

JSX → JS

```
var Hello = React.createClass({displayName: 'Hello',
  render: function() {
    return React.createElement("div", null,
                              "Hello ", this.props.name);
  }
});

React.render(React.createElement(Hello, {name: "World"}),
             document.body);
```

Virtual DOM

MyComponent

Virtual DOM

Browser DOM

Data flow

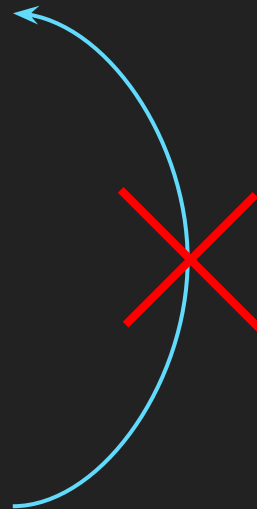**Parent**

Props

Child

Props

```
var Hello = React.createClass({
    render: function() {
        return <div>Hello {this.props.name}</div>;
    }
});

React.render(<Hello name="World" />, document.body);
```

State

```
var ClickCounter = React.createClass({

    getInitialState: function() {
        return {
            counter: 0
        };
    },

    render: function() {
        return <button onClick={this._onClick}>Clicked {this.state.counter} times</button>;
    },

    _onClick: function _onClick(event) {
        event.preventDefault();
        this.setState({
            counter: this.state.counter + 1
        });
    }
});
```

```
this.setState({
    counter: this.state.counter + 1
});
```

render()

Example

jsfiddle.net/so4zvhy0/

Docs & stuff

facebook.github.io/react/

facebook.github.io/react/jsx-compiler.html

facebook.github.io/react/docs/tutorial.html

Thanks!

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