

powered by Azat Mardan, http://webapplog.com

INSTALLATION

```
<script src="https://fb.me/react-0.14.0.js"></script>
$ npm install react --save
$ bower install react --save
```

React DOM

```
<script src="https://fb.me/react-dom-0.14.0.js"></script>
$ npm install react-dom
$ bower install react-dom --save
```

RENDERING

Rendering (ES5)

```
ReactDOM.render(
  React.createElement(Link, {name: 'HackHall.com'}),
  document.getElementById('menu')
```

Rendering (ES5+JSX)

```
ReactDOM.render(
  <! ink name='HackHall.com'/>.
  document.getElementById('menu')
```

Server-side Rendering

```
var ReactDOMServer = require('react-dom/server')
ReactDOMServer.renderToString(Link, {name: 'HackHall.com'})
ReactDOMServer.renderToStaticMarkup(Link, {name: 'HackHall.com'})
```

COMPONENTS

ES5

```
var Link = React.createClass({
 displayName: 'Link'
  render: function()
    return React.createElement('a', {className: 'btn', title:
this.props.name}, 'Click ->', this.props.name);
```

FS5 + JSX

```
var Link = React.createClass({
 render: function() {
    return <a className='btn' title={this.props.name}>Click ->
this.props.name</a>
});
```

FS6 + JSX

```
class Link extends React.Component {
  render() +
    return <a className='btn' title={this.props.name}>Click ->
this.props.name</a>
```

LIFECYCLE EVENTS

```
componentWillMount function()
componentDidMount function()
componentWillReceiveProps function(nextProps)
shouldComponentUpdate function(nextProps, nextState)-> bool
componentWillUpdate function(nextProps, nextState)
componentDidUpdate function(prevProps, prevState)
componentWillUnmount function()
```

ADVANCED COMPONENTS

Options (ES5)

```
propTypes object : Type validation in development mode
getDefaultProps function() : object of default props
getInitialState function() : object of the initial state
```

ES5:

```
var Link = React.createClass ({
 propTypes: { name: React.PropTypes.string },
 getDefaultProps: function() {
   return { initialCount: 0 }
 getInitialState: function() {
   return {count: this.props.initialCount};
  tick: function() {
   this.setState({count: this.state.count + 1});
 render: function() {
   return React.createElement(
      {className: 'btn', href: '#', title: this.props.name, onClick:
this.tick.bind(this)},
      'Click ->
      (this.props.name? this.props.name : 'webapplog.com'),
       (Clicked: '+this.state.count+')
})
```

ES5 + JSX:

```
var Link = React.createClass ({
 propTypes: { name: React.PropTypes.string },
 getDefaultProps: function() {
   return { initialCount: 0 }
 getInitialState: function() {
   return {count: this.props.initialCount};
   this.setState({count: this.state.count + 1});
 render: function() {
     <a onClick={this.tick.bind(this)} href="#" className="btn"</pre>
title={this.props.name}>
       Click -> {(this.props.name? this.props.name : 'webapplog.com')}
        (Clicked: {this.state.count})
```

ES6 + JSX:

```
export class Link extends React.Component {
  constructor(props) {
    super(props)
    this.state = {count: props.initialCount};
    this.setState({count: this.state.count + 1});
  render() {
      <a onClick={this.tick.bind(this)} href="#" className="btn"</pre>
title={this.props.name}>
        Click -> {(this.props.name? this.props.name : 'webapplog.com')}
        (Clicked: {this.state.count})
Link.propTypes = { initialCount: React.PropTypes.number };
Link.defaultProps = { initialCount: 0 };
```