

Using components

```
var Component = React.createClass({ ... });  
var compo = React.render(<Component />,  
  mountNode);
```

Before Rendering

```
React.createClass({  
  componentWillMount: function () {  
    $.get(this.props.url, function (data)  
    {  
      this.setState(data);  
    });  
  },  
  render: function () {  
    return (  
      <ComponentList data={this.state.data} />  
    );  
  }  
});
```

Default Properties

```
React.createClass({  
  getDefaultProps: function () {  
    return {name: ''};  
  }  
});
```

Initial States

```
React.createClass({  
  getInitialState: function () {  
    return {data: []};  
  },  
  render: function () {  
    return (  
      <ComponentList data={this.state.data} />  
    );  
  }  
});
```

Lifecycle

```
componentWillMount()  
componentDidMount()  
// not on initial render  
componentWillReceiveProps(props)  
shouldComponentUpdate(props, state)  
componentWillUpdate(props, state)  
componentDidUpdate(prevProps, prevState)  
componentWillUnmount()  
// ...there is no DidUnmount or ReceiveState.
```

Methods

```
{  
  render: function()  
  getInitialState: function()  
  getDefaultProps: function()  
  mixins: []  
  propTypes: {} / for validation /  
  statics: { .. } / static methods /  
  displayName: '..' / automatically filled in  
  by jsx /  
}
```

API

```
c.getDOMNode() // deprecated 0.13  
React.findDOMNode(c) // 0.13+  
c.forceUpdate()  
c.isMounted()
```

Properties

```
this.setProps({ fullscreen: true });  
this.props.fullscreen === true  
this.replaceProps({ ... });
```

States

```
this.setState({ editing: true });  
this.state.editing === true  
this.replaceState({ ... });
```



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Basic class

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

Actions

```
<form onSubmit={this.handleSubmit}>
  Name: <input ref="name">
</form>
React.createClass({
  handleSubmit: function (event) {
    name = this.refs['name'].getDOMNode().value;
    // see two-way binding below
  }
});
```

Two-way binding

```
React.createClass({
  mixins: [React.addon.LinkedStateMixin],
  getInitialState: function() {
    return {value: 'Hello!'};
  },
  render: function() {
    return <input type="text" valueLink =
{this.linkState('value')} />;
  }
});
// Linked StateMixin adds a method to your React
component called
// linkState().
```

Lists

```
var TodoList = React.createClass({
  render: function() {
    var createItem = function (itemText) {
      return <li>{itemText}</li>;
    };
    return <ul>{this.props.map(createItem)}</ul>;
  }
});
```

Property validations

```
React.createClass({
  propTypes: {
    // required
    requiredFunc: React.PropTypes.func.isRequired,
    requiredAny: React.PropTypes.any.isRequired,
    // primitives, optional by default
    bool: React.PropTypes.bool,
    func: React.PropTypes.func,
    number: React.PropTypes.number,
    string: React.PropTypes.string,
  }
});
```

Class set

```
render: function() {
  var cx = React.addons.classSet;
  var classes = cx({
    'message': true,
    'message-important': this.props.important,
    'message-read': this.props.read
  });
  // same final string, but much cleaner
  return <div className={classes}>Great
Scott! </div>;
}
```



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Propagating properties to children

```
var VideoPlayer = React.createClass({
  render: function() {
    return <VideoEmbed {...this.props}
  control= 'false' />;
  }
});
<VideoPlayer src="video.mp4" />
```

Mixins

```
var TickTock = React.createClass({
  mixins: [SetIntervalMixin]
})
SetIntervalMixin = {
  componentWillMount: function() { .. }
}
```

Source

Thanks to <http://ricostacruz.com/cheatsheets/react.html>



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