

Reactjs 102 / 0x01

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What is React?

— — —

- React is a Javascript library for building user interfaces.
- It is the view layer for web applications.

Chrome Extensions

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React Developer Tools

ES6 / ES2015

Arrow functions

Classes

Template literals

default + rest + spread

let + const

...

Props

- Take arguments via the component's HTML element attributes. So that, in our component's definition, we can access the value which was set to by using `this.props.propertyName`

State

— — —

- Contain data itself.
- Make components dynamic and useful.

Lifecycle Methods / Mount

```
defaultProps = {}
```

```
state = {}
```

```
constructor()
```

```
componentWillMount()
```

```
render()
```

```
componentDidMount()
```

Lifecycle Methods / Update

— — —

`componentWillReceiveProps(nextProps)`

`shouldComponentUpdate(nextProps, nextState)`

`componentWillUpdate(nextProps, nextState)`

`render()`

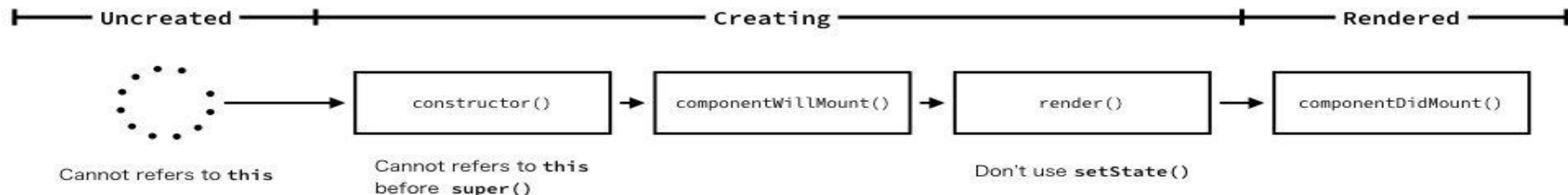
`componentDidUpdate(prevProps, prevState)`

Lifecycle Methods / Unmount

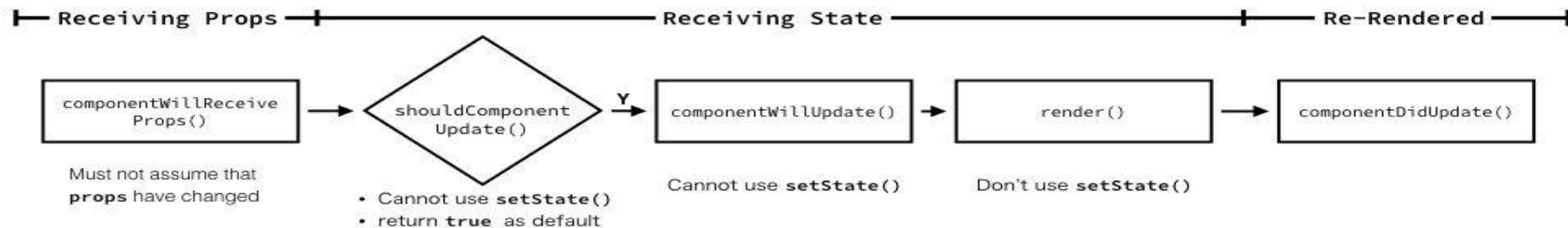
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`componentWillUnmount()`

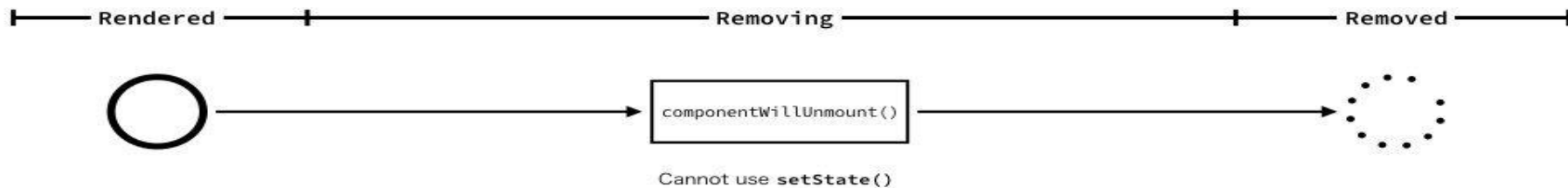
Mounting



Updating



Unmounting



Installation

— — —

```
npm install -g create-react-app
```

```
create-react-app hello-world
```

```
cd hello-world
```

```
npm start
```

```
yarn start
```

Exercises

— — —

1. Adding lifecycle methods into hello world app.
2. Click button to change a message
3. Random a number with condition

References

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1. <https://facebook.github.io/react/>
2. Doel Sengupta, Manu Singhal, Danillo Corvalan, 2016, *Getting started with React*.

Thanks for your attention

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