

TW-009 STUDENT VERSION (Sprint-5 Week-2)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

5m

- Personal Questions (Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work

5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions

15m

1. When might you use `React.PureComponent`?

- A. when you do not want your component to have props
- B. when you have sibling components that need to be compared
- C. when you want a default implementation of `shouldComponentUpdate()`
- D. when you do not want your component to have state

2. You have written the following code but nothing is rendering. How do you fix this problem?

```
const Heading = () => {  
  <h1>Hello!</h1>;  
};
```

- A. Add a render function.
- B. Change the curly braces to parentheses or add a return statement before the `h1` tag.
- C. Move the `h1` to another component.
- D. Surround the `h1` in a `div`.

3. Which option is correct for State vs Props

- A. Props is something that the parent doesn't need and decide to throw around among other parents; State is the parent's favorite child and something the component wants to nurture.
- B. Props is a copy of real DOM; State is the definition of the real DOM.
- C. Props get passed to the component using naming conventions, like a function parameter; State is managed within the component and holds some information that may change over the lifetime of the component.
- D. Prop is managed within the component and holds some information that may change over the lifetime of the component; State gets passed to the component, like a function parameter

4. What package contains the render() function that renders a React element tree to the DOM?

- A. React
- B. ReactDOM
- C. Render
- D. DOM

5. Which of the following click event handlers will allow you to pass the name of the person to be hugged?

```
class Huggable extends React.Component {  
  hug(id) {  
    console.log("hugging " + id);  
  }  
  
  render() {  
    let name = "kitteh";  
    let button = // Missing Code  
    return button;  
  }  
}
```

- A. `<button onClick={{name} => this.hug(name)}>Hug Button</button>`
- B. `<button onClick={this.hug(e, name)}>Hug Button</button>`
- C. `<button onClick={(e) => hug(e, name)}>Hug Button</button>`
- D. `<button onClick={(e) => this.hug(name,e)}>Hug Button</button>`

6. Which answer best describes a function component?

- A. A function component is required to create a React component.
- B. A function component accepts a single props object and returns a React element.
- C. A function component is the only way to create a component.
- D. A function component is the same as a class component.

7. What is the name of the tool used to take JSX and turn it into createElement calls?

- A. JSX Editor
- B. ReactDOM
- C. Browser Buddy
- D. Babel

8. If you see the following import in a file, what is being used for state management in the component?

```
import React, {useState} from 'react';
```

- A. React Hooks
- B. stateful components
- C. math
- D. class components

9. If you created a component called Dish and rendered it to the DOM, what type of element would be rendered?

```
function Dish() {  
  return <h1> Mac and Cheese</h1>;  
}  
  
ReactDOM.render(  
  <Dish />  
  document.getElementById('root')  
)
```

- A. div
- B. section
- C. component
- D. h1

10. Which of the following lifecycle methods does not get triggered on the component's initial render?

- A. componentWillMount()
- B. componentWillReceiveProps()
- C. render()
- D. componentDidMount()

11. What does this React element look like given the following function?

```
React.createElement(  
  "h1",  
  null,  
  "What's happening?"  
);
```

A.

```
<h1 props={null}>What's happening?</h1>
```

B.

```
<h1 id="component">What's happening?</h1>
```

C.

```
<h1>What's happening?</h1>
```

D.

```
<h1 id="element">What's happening?</h1>
```

Interview Questions**15m****1. What are controlled components?****2. What is a higher order component?****3. How Virtual-DOM is more efficient than Dirty checking?**

Coding Challenge

20m

- [Coding Challenge: Image Gallery \(R-01\)](#)
-
-



Coffee Break

10m



Video of the Week

5m

- [What Is React \(React js\) & Why Is It So Popular?](#)

Retro Meeting on a personal and team level

5m

Ask the questions below:

- What went well?
- What went wrong?
- What is the improvement areas?

Case study/Project

15m

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- [Tour Places \(RP-01\)](#)

Closing

5m

-Next week's plan

-QA Session
