TW-013 STUDENT VERSION

TEAMWORK

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. ___ can be done while multiple elements need to be returned from a component.

A.Abstraction
B.Packing
C.Insulation
D.Wrapping

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. Which of the following methods in a React Component should be overridden to stop the component from updating?

A. willComponentUpdate
B. shouldComponentUpdate
C. componentDidUpdate
D. componentDidMount

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>
```

12. Which of the following methods in a React Component is called after the component is rendered for the first time?

A. componentDidUpdate
B. componentDidMount
C. componentMounted
D. componentUpdated

13. What will happen if you call `setState()` inside `render()` method?

A. Repetitive output appears on the screen
B. Duplicate key error
C. Stack overflow error
D. Nothing happens

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: Language Cards (R-02)

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Coffee Break   10m

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Video of the Week   5m

- What NOT to do in an Interview

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

- **1.** Checkout Page (RP-04)

    - *You can add additional functionalities(storage or mockApi etc.) to your app.*

- **2.** Appointment App Project

    - Will be explained on thursday class and it will be solved on Monday, February 27.

Closing   5m

-Next week's plan

-QA Session