TW-010 STUDENT VERSION (Sprint-6 Week-2)

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. You are rendering a list with React when this warning appears in the console: "Warning: Each child in a list should have a unique 'key' prop." How do you fix this issue?

A. Pass the name of each item as its key.
B. Add a key prop with the same value to each item the list.
C. Clear the console warnings.
D. When iterating over the list items, add a unique property to each list item.

2. In this component, how do you display whether the user was logged in or not?

```
render() {
  const isLoggedIn = this.state.isLoggedIn;
  return (
    <div>
      The user is:
    </div>
  );
}
```

A. The user is loggedIn ? logged in : not logged in.
B. Write a function to check the login status.
C. The user is {isLoggedIn = "no"}.
D. The user is {isLoggedIn ? "logged in." : "not logged in"}.

3. Filter, Map and Reduce operation is way to _____ .

A. Un-compress and expand data.
B. Create new immutable dataset.
C. Crunch and analyze the data
D. All of them

4. What is the first file loaded by the browser in a basic React project?

A. src/App.js
B. src/index.js
C. public/index.html
D. public/manifest.json

5. What is the "key" prop?

A. "Key" prop is just there to look pretty and there is no benefit whatsoever
B. "Key" prop is a way for React to identify a newly added item in a list and compare during the "diffing" algorithm
C. It is one of the attributes in Javascript and HTML
D. All I know is that it is NOT commonly used in array

6. How do you handle passing through the component tree without having to pass props down manually at every level?

A. React Send
B. React Pinpoint
C. React Router
D. React Context

7. Why might you use useReducer over useState in a React component?

A. when you want to replace Redux
B. when you need to manage more complex state in an app
C. when you want to improve performance
D. when you want to break your production app

8. Which props from the props object is available to the component with the following syntax?

```
<Message {...props}/>
```

A. any that have not changed
B. child props
C. any that have changed
D. all of them

9. What is the difference between the click behaviors of these two buttons (assuming that this.handleClick is bound correctly)?

```
X. <button onClick="{this.handleClick}>Click Me</button>"
Y. <button onClick="{event => this.handleClick(event)}}>Click Me</button>"
```

A. Button X will not have access to the event object on click of the button

B. Button X will not fire the handler this.handleClick successfully

C. Button Y will not fire the handler this.handleClick successfully

D. There is no difference

10. How do you destructure the properties that are sent to the Dish component?

```
function Dish(props) {
  return (
    <h1>
      {props.name} {props.cookingTime}
    </h1>
  );
}
```

A. `function Dish([name, cookingTime]) { return <h1>{name} {cookingTime}</h1>; }`

B. `function Dish(...props) { return <h1>{name} {cookingTime}</h1>; }`

C. `function Dish(props) { return <h1>{name} {cookingTime}</h1>; }`

D. `function Dish({name, cookingTime}) { return <h1>{name} {cookingTime}</h1>; }`

11. Which attribute do you use to replace innerHTML in the browser DOM?

A. injectHTML

B. dangerouslySetInnerHTML

C. weirdSetInnerHTML

D. strangeHTML

12. What is this pattern called?

```
const [count, setCount] = useState(0);
```

A. object destructuring

B. spread operating

C. array destructuring

D. code pushing

13. What is wrong with this code?

```
const MyComponent = ({ names }) => (
  <h1>Hello</h1>
  <p>Hello again</p>
);
```

A. React does not allow components to return more than one element.

B. React components cannot be defined using functions.

C. The component needs to use the return keyword.

D. String literals must be surrounded by quotes.

Interview Questions   15m

1. What are React Hooks?

2. Why should component names start with capital letter?

3. What is Suspense component?

4. What is React context vs React redux?

5. What are controlled components?

6. How Virtual-DOM is more efficient than Dirty checking?

Coding Challenge   20m

- Coding Challenge: JS-CC-025 Roman Numerals

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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

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.

- Random User App (RP-04)

Closing   5m

-Next week's plan

-QA Session