TW-012 STUDENT VERSION (Sprint-7 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. What will be the efficiency quotient of the following JavaScript statements?

```javascript
var Set = sets.Set;
var s = new Set(1,2,3);
```

A. The programmer imports at once the frequently used values into the global namespace
B. There is no efficiency quotient, the programmer tries to make it inefficient
C. The programmer needs to import the `Sets` everytime he wants to use it
D. The programmer imports the set everytime the statement is encountered

2. What will be the output of the following JavaScript code?

```javascript
<p id="demo"></p>
 <script>
function myFunction()
{
    var res = "";
    res = res + Number.isFinite(5-2) ;
    document.getElementById("demo").innerHTML = res;
}
</script>
```

A. 3
B. true
C. false
D. error

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. Choose the statement that best applies to a function.

A. A function can take zero or more more inputs but only give one output
B. A function takes one input and gives one output
C. A function takes no input and give one or more outputs
D. A function can take any number of inputs and gives none, one or more output

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. What property do you need to add to the Suspense component in order to display a spinner or loading state?

```jsx
function MyComponent() {
  return (
    <Suspense>
        <div>
            <Message />
        </div>
    </Suspense>
    );
}
```

A. lazy
B. loading
C. fallback
D. spinner

7. What is the testing library most often associated with React?

A. Mocha
B. Chai
C. Sinon
D. Jest

8. 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

9. 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

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

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

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

11. 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 Y will not fire the handler this.handleClick successfully
C. Button X will not fire the handler this.handleClick successfully
D. There is no difference

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

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

A. injectHTML
B. dangerouslySetInnerHTML
C. weirdSetInnerHTML
D. strangeHTML

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-009 Bracket Validator

☕

Coffee Break 10m

☕

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.

- Register Form Validation App (RC-10)

Closing 5m

-Next week's plan

-QA Session