MODULE-2 TW-02 GROUP VERSION

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Workshop Activities - Tuesday

▶ Teamwork Activities - Friday

　　▶ Questions

　　▶ Interview Questions

▶ Video of the week

▶ Retro meeting

▶ Case study / project

Teamwork Schedule

Ice-breaking   10m

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

Workshop Activities (Tuesday)   90m

- NBA Legends App

> * The solution of the project will be held on Thursday, December 7th.

Team Work Activities (Friday)   90m

Ask Questions   20m

1. 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

2. What is `[e.target.id]` called in the following code snippet?

```
handleChange(e) {
  this.setState({ [e.target.id]: e.target.value })
}
```

A. a computed property name
B. a set value
C. a dynamic key
D. a JSX code string

3. What is `setCount`?

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

A. the initial state value

B. a variable

C. a state object

D. a function to update the state

4. 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.

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

A. src/App.js

B. src/index.js

C. public/manifest.json

D. public/index.html

6. How can you include Bootstrap in a React project?

A. Linking via CDN in HTML file

B. Installing via npm and importing in JavaScript file

C. Copy-pasting Bootstrap code into React components

D. Bootstrap is included by default in React

7. What is the purpose of the useState hook in React?

A. To handle side effects

B. To handle events

C. To manage state in functional components

D. To manage state in class components

8. In a controlled component, where is the form data stored?

A. In the browser's local storage

B. In the component's props

C. In the global Redux store

D. In the component's state

9. What pattern is being used in this code block?

```
const { tree, lake } = nature;
```

A. function defaults

B. array destructuring

C. PRPL(Push, Render, Pre-cache, Lazy-load) pattern

D. destructuring assignment

10. The lifecycle methods are mainly used for ....?

A. keeping track of event history

B. enhancing components

C. freeing up resources

D. none of the above

11. In React, what is the purpose of the onClick event?

A. Handling mouse clicks

B. Handling keyboard inputs

C. Managing component state

D. Styling components

Interview Questions   15m

1. Can you explain the difference between the onClick and onChange events in React, and when would you use each one?

2. How does the useEffect hook contribute to managing side effects in a React functional component?

3. Explain the concept of controlled components in React and why they are important when working with forms.

4. How would you implement real-time data updates in a React application, and what role does state play in this scenario?

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Coffee Break   **10m**

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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**

- Hospital App

> *The solution class will be held on Monday, December 11th.*

Closing   **5m**

- Next week's plan
- QA Session