TW-13 GROUP VERSION

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ Interview Questions

▶ Coffee Break

▶ Coding Challenge

▶ Video of the week

▶ Retro meeting

▶ Case study / project

Teamwork Schedule

Ice-breaking   10m

- 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.

Ask Questions   15m

1. In JavaScript, what is a constructor function used for in OOP?

A. To perform mathematical calculations
B. To handle asynchronous tasks
C. To create objects with predefined properties and methods
D. To manipulate the DOM

2. Which of the following is not one of the fundamental principles of OOP?

A.Encapsulation
B.Loops
C.Polymorphism
D.Inheritance

3. Which OOP concept is a blueprint for creating objects with specific attributes and methods?

A. Object
B. Encapsulation
C. Inheritance
D. Class

4. What does the term "polymorphism" mean in the context of OOP?

A. Having only one method in a class
B. Using many variables for the same data
C. Hiding complex details of a class
D. Objects having many shapes

5. What is the virtual DOM used for?

A. Improving performance by minimizing direct DOM manipulation
B. Rendering server-side code
C. Manipulating the browser's DOM directly
D. Handling server requests

6. What is JSX in React?

A. A CSS preprocessor
B. A JavaScript extension for XML
C. A form of JSON data
D. A database query language

7. In React, what is the purpose of props?

A. To manage component state
B. To handle routing in the application
C. To pass data from parent to child components
D. To define the component's internal methods

8. What is the fundamental building block of a React application?

A. Functions
B. Variables
C. DOM elements
D. Components

9. What is wrong with this code?

```jsx
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.

10. In MVC, what does React.js act as?

A. Model
B. View
C. Controller
D. all of them

11. What is ReactJS mainly used for building?

A. Database
B. Application
C. User Interface
D. Design Platform

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

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

13. 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

14. React components are composed to create a user interface. How are components composed?

A. by putting them in the same file
B. with webpack
C. by nesting components
D. with code splitting

15. Which answer best describes a function component?

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

Interview Questions   15m

1. How often does the React useState update? Why?

2. Why is there a need for using keys in Lists?

3. What are the components in React?

4. What is an event in React?

Coding Challenge   15m

- Digital Clock

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Coffee Break   10m

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Video of the Week   10m

- React State Vs Props

Case study/Project   15m

- Lesson Reminder

- Horoscope App

  ⚠ - Solution for the Horoscope App project will be held on Monday, 30.10. Aim to be done before the live session.

Retro Meeting on a personal and team level   **10m**

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Closing   **5m**

- Next week's plan

- QA Session