

TW-13 GROUP VERSION



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?

```
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

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