

TW-13 GROUP VERSION



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Workshop Activities
 - ▶ Questions
- ▶ Teamwork Activities
 - ▶ Interview Questions
 - ▶ Video of the week
 - ▶ Case study / project
- ▶ Retro meeting

Workshop Activities

90m

Ask Questions

30m

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

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

8. 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.

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

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

10. What is ReactJS mainly used for building?

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

11. 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

12. 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

13. 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.

14. A representation of a user interface that is kept in memory and is synced with the "real" DOM is called what?

- A. DOM
- B. virtual DOM
- C. virtual elements
- D. shadow DOM

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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.

Interview Questions

30m

1. What are the components in React?
2. What is an event in React?
3. What is a constructor function in JavaScript?
4. What is the 'this' keyword in JavaScript?



Coffee Break

10m



Video of the Week

10m

- [React State Vs Props](#)

Coding Challenge

40m

- [04 - Digital Clock](#)
- [05 - Stopwatch](#)

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

10m

- Next week's plan
 - QA Session
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