

TW-010 STUDENT VERSION (Sprint-6 Week-2)



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 are 2 native functions to run code asynchronously in JavaScript ?

- A. timeout - setTimeout
- B. startInternal - setInterval
- C. setTimeout - setInterval
- D. interval - setInterval

2. What is the function to stop an interval timer?

- A. stopTimer
- B. clearInterval
- C. shutdownTimer
- D. clearTimer

3. Consider the following async function and its output. What will be displayed to the console when calling the `f()` function?

```
async function f() {  
  let result = 'first!';  
  let promise = new Promise((resolve, reject) => {  
    setTimeout(() => resolve('done!'), 1000);  
  });  
}
```

```
    result = await promise;

    console.log(result);
  }

  f();
```

- A. first!
- B. done!
- C. JavaScript error
- D. Something else

4. What is the output of the code below?

```
let x = 0;

async function test() {
  x += await 2;
  console.log(x);
}

test();
x += 1;
console.log(x);
```

- A. 2 3
- B. 0 1
- C. 1 2
- D. 2 2

5. To get the first item from the array ("cooking") using array destructuring, how do you adjust this line?

```
const topics = ["cooking", "art", "history"]
```

- A. `const first = ["cooking", "art", "history"]`
- B. `const [] = ["cooking", "art", "history"]`
- C. `const [, first] = ["cooking", "art", "history"]`
- D. `const [first] = ["cooking", "art", "history"]`

6. What should the console read when the following code is run?

```
const [, , animal] = ["Horse", "Mouse", "Cat"]  
console.log(animal)
```

- A. Horse
- B. Cat
- C. Mouse
- D. undefined

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

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

8. 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

9. Which of the following lifecycle methods does not get triggered on the component's initial render?

- A. componentWillMount()
- B. componentWillReceiveProps()
- C. render()
- D. componentDidMount()

10. If you created a component called Dish and rendered it to the DOM, what type of element would be rendered?

```
function Dish() {  
  return <h1> Mac and Cheese</h1>;  
}
```

```
ReactDOM.render(  
  <Dish />  
  document.getElementById('root')  
)
```

- A. div
- B. section
- C. component
- D. h1

11. What does this React element look like given the following function?

```
React.createElement(  
  "h1",  
  null,  
  "What's happening?"  
);
```

A.

```
<h1 props={null}>What's happening?</h1>
```

B.

```
<h1>What's happening?</h1>
```

C.

```
<h1 id="component">What's happening?</h1>
```

D.

```
<h1 id="element">What's happening?</h1>
```

Interview Questions

15m

1. What are Promises?
2. What is a Callback function?
3. What are controlled components?
4. What is a higher order component?
5. How Virtual-DOM is more efficient than Dirty checking?

Coding Challenge

20m

- [Coding Challenge: JS-CC-007 : Stopwatch](#)



Coffee Break

10m



Video of the Week

5m

- [How to prepare for a job 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.

- [Project Hangman Game \(JS-05\)](#)
- [Project Random User App-2 \(RC-04\)](#)

Closing

5m

-Next week's plan

-QA Session
