TW-011 STUDENT VERSION

TEAMWORK

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 syntax do you use to create a component in React?

A. a generator
B. a function or a class
C. a service worker
D. a tag

2. How do you add an id of heading to the following h1 element?

```
let dish = <h1>Mac and Cheese</h1>;
```

A. `let dish = <h1 id={heading}>Mac and Cheese</h1>;`
B. `let dish = <h1 id:"heading">Mac and Cheese</h1>;`
C. `let dish = <h1 id="heading">Mac and Cheese</h1>;`
D. `let dish = <h1 class="heading">Mac and Cheese</h1>;`

3. Which tool is not part of Create React App?

A. React
B. webpack
C. ReactDOM
D. jQuery

4. React is an open-source project but is maintained by which company?

A. Twitter

B. Snapchat

C. Facebook

D. AirBnb

5. The code below is rendering nothing, and there is an error that says "ReactDOM is not defined." How do you fix this issue?

```
import React from 'react';
import { render } from 'react-dom';

const element = <h1>Hi</h1>;

ReactDOM.render(element, document.getElementById('root'));
```

A. render(element, document.getElementById("root"));

B. ReactDOM(element, document.getElementById("root"));

C. renderDOM(element, document.getElementById("root"));

D. DOM(element, document.getElementById("root"));

6. 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

7. What is wrong with this code?

```
const MyComponent = ({ names }) => (
  <h1>Hello</h1>
  <p>Hello again</p>
);
```

A. React components cannot be defined using functions.

B. React does not allow components to return more than one element.

C. The component needs to use the return keyword.

D. String literals must be surrounded by quotes.

8. What is `setCount`

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

A. a function to update the state
B. a state object
C. the initial state value
D. a variable

9. Which class-based lifecycle method would be called at the same time as this effect Hook?

```
useEffect(() => {
  // do things
}, []);
```

A. componentWillUnmount
B. componentDidMount
C. render
D. componentDidUpdate

10. Which class-based component is equivalent to this function component?

```
const Greeting ({ name }) > <h1>Hello {name}!</h1>;
```

- ☐ A

```
class Greeting extends React.Component {
  constructor() {
    return <h1>Hello {this.props.name}!</h1>;
  }
}
```

- ☐ B

```
class Greeting extends React.Component {
  <h1>Hello {this.props.name}!</h1>;
}
```

- ☐ C

```
class Greeting extends React.Component {
  render() {
    return <h1>Hello {this.props.name}!</h1>;
  }
}
```

- ☐ D

```
class Greeting extends React.Component {
  render({ name }) {
    return <h1>Hello {name}!</h1>;
  }
}
```

Interview Questions   15m

1. Why do we need keys for React lists?

2. What is a ref? How do you use it?

3. What is the useEffect hook used for?

4. Explain the role of Reducer.

5. How to pass data from Child Component to Parent Component?

Coding Challenge   20m

- Coding Challenge: Random User App 2

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Coffee Break   10m

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Video of the Week   5m

- Pros and Cons of Redux

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.

- FireContact App (RC-06)

Closing   5m

-Next week's plan

-QA Session