TW-012 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 is the correct command to create a new React project?

A. npx create-react-app myReactApp
B. npm create-react-app
C. npx create-react-app
D. npm create-react-app myReactApp

2. What does myReactApp refer to in the following command?

```
npx create-react-app myReactApp
```

A. A reference to an existing app.
B. The directory to create the new app in
C. The type of app to create.
D. The name you want to use for the new app.

3. What command is used to start the React local development server?

A. npm serve
B. npm run dev
C. npm start
D. npm build

4. What package contains the render() function that renders a React element tree to the DOM?

A. React
B. ReactDOM
C. Render
D. DOM

5. To develop and run React code, Node.js is required.

A. True
B. False

6. A copy of the 'real' DOM that is kept in memory is called what?

A. Shadow DOM
B. React DOM
C. DOM
D. Virtual DOM

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. React component names must begin with an uppercase letter.

A. True
B. False

9. Which operator can be used to conditionally render a React component?

A. ||
B. ::
C. &&
D. ??

10. React can only render elements in the root document element.

A. True
B. False

11. When rendering a list using the JavaScript map() method, what is required for each element rendered?

A. index
B. id
C. key
D. data

12. What is the correct syntax to import a Component from React?

A. import React.Component from 'react'
B. import [Component] from 'react'
C. import Component from 'react'
D. import { Component } from 'react'

13. React separates the user interface into components. How are components combinded to create a user interface?

A. With code splitting
B. By nesting components
C. By putting them in a folder structure
D. With webpack

Interview Questions   15m

1. What are controlled components?

In React, Controlled Components are those in which form's data is handled by the component's state. It takes its current value through props and makes changes through callbacks like onClick,onChange, etc.

2. What is a higher order component?

A higher-order component (HOC) is an advanced technique in React for reusing component logic.

3. How Virtual-DOM is more efficient than Dirty checking?

The virtual DOM is more efficient than the Dirty checking simply because it prevents all the unnecessary re-renders.

Coding Challenge   20m

- Coding Challenge: Image Gallery (R-01)

☕

Coffee Break   10m

☕

Video of the Week   5m

- What Is React (React js) & Why Is It So Popular?

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.

- 1. Tour Places (RP-01)
     - *There will be no session for the solution. Our expectation is that it will be done in team work / workshops.*

- 2. NBA Legends App (RP-02)
     - *It will be solved on Tuesday, February 21.*

Closing   5m

-Next week's plan

-QA Session