TW-14 GROUP VERSION

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TEAMWORK

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. 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

2. When using the React Developer Tools Chrome extension, what does it mean if the React icon is red?

A. You are using the development build of React.
B. You are using the production build of React.
C. You are using webpack.
D. You are using Create React App.

3. Which language can you not use with React?

A. JSX
B. Swift
C. Javascipt
D. TypeScript

4. What pattern is being used in this code block?

```
const { tree, lake } = nature;
```

A. function defaults

B. array destructuring

C. PRPL pattern

D. destructuring assignment

5. This code is part of an app that collects Pokemon. The useState hook below is a piece of state holding onto the names of the Pokemon collected so far. How would you access the collected Pokemon in state?

```
const PokeDex = (props) => {
  const [pokeDex, setPokeDex] = useState([]);
  /// ...
};
```

A.props.pokeDex

B.pokeDex

C.setPokeDex()

D.this.props.pokeDex

6. In this function, which is the best way to describe the Dish component?

```
function Dish() {
  return (
    <>
      <Ingredient />
      <Ingredient />
    </>
  );
}
```

A. child component

B. parent component

C. nested component

D. sibling component

7. 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

8. Why is it a good idea to pass a function to setState instead of providing a direct input?

A. It provides better encapsulation.
B. It makes sure that the object is not mutated.
C. It automatically updates a component.
D. setState is asynchronous and might result in out of sync values.

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

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>;

10. You are rendering a list with React when this warning appears in the console: "Warning: Each child in a list should have a unique 'key' prop." How do you fix this issue?

A. Pass the name of each item as its key.
B. Add a key prop with the same value to each item the list.
C. Clear the console warnings.
D. When iterating over the list items, add a unique property to each list item.

11. The lifecycle methods are mainly used for ....?

A.keeping track of event history
B.enhancing components
C.freeing up resources
D.none of the above

12. What will happen if the following render() method executes?

```
render(){
let langs = ["Ruby","ES6","Scala"]
return (<div>
{langs.map(it => <p>{it}</p>)}
</div>)
}
```

A. Displays the list of languages in the array
B. Error. Cannot use direct JavaScript code in JSX
C. Displays nothing
D. Error. Should be replaced with a for..loop for correct output

13. Filter Map and Reduce operation is way to:

A. Un-compress and expand data.
B. Create new immutable dataset.
C. Crunch and analyze the data
D. All of them

14. In React, what is the purpose of the render method in a class component?

A. It is responsible for defining the initial state.
B. It updates the component's state.
C. It returns the JSX to be rendered on the screen.
D. It is used for making API requests.

15. Consider the following component. What is the default color for the star?

```
const Star = ({ selected = true }) => <Icon color={selected ? 'red' : 'grey'} />;
```

A. You can not use ternaries in React.
B. white
C. red
D. grey

16. In React, functional components are now recommended over class components, and functional components are simpler and easier to use.

True
False

Interview Questions   **15m**

1. What is a state in React?

2. What are props in React?

3. Why you can't update props in React?

4. What are default props?

5. What is an arrow function and how is it used in React?

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Coding Challenge   **15m**

- R-03 Image Gallery

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Coffee Break   **10m**

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Video of the Week   **10m**

- React State Vs Props

Case study/Project   **15m**

- RP-02 NBA Legends

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