# TW-14 GROUP VERSION

TEAMWORK

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 React, what is the purpose of props?**

**A.** To manage component state
**B.** To handle routing in the application
**C.** To pass data from parent to child components
**D.** To define the component's internal methods

**2. Which props from the props object is available to the component with the following syntax?**

```
<Message {...props} />
```

**A.** any that have not changed
**B.** child props
**C.** any that have changed
**D.** all of them

**3. 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

**4. 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.

## 5. Which language can you not use with React?

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

## 6. 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

## 7. 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

## 8. 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

### 9. 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

### 10. 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.

### 11. 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>;

### 12. 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.

### 13. 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

**14. 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

**15. 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

**16. 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.

**17. 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

# Teamwork Schedule

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### 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. How often does the React useState update? Why?**

**2. Why is there a need for using keys in Lists?**

**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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### Coffee Break                                    10m

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## Video of the Week                                                    10m

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

## Coding Challenge                                                     40m

- 01 - Events Challenge

## 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