

# TW-016 STUDENT VERSION

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coffee Break
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

# Teamwork Schedule

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## 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 `[e.target.id]` called in the following code snippet?

```
handleChange(e) {  
  this.setState({ [e.target.id]: e.target.value })  
}
```

- A. a computed property name
- B. a set value
- C. a dynamic key
- D. a JSX code string

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. Javascript
- 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. When does the componentDidMount function fire?**

- A. right after the component is added to the DOM
- B. before the component is added to the DOM
- C. right after the component is updated
- D. right after an API call

**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. React separates the user interface into components. How are components combined to create a user interface?**

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

**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. What is the functionality of a webpack command?**

- A. Transfers all JS files to down into one file
- B. A module builder
- C. Runs react local development server
- D. None of the above

**14. Choose the correct statement in the context of uncontrolled components in ReactJS?**

- A. source of truth can be anything
- B. source of truth is DOM
- C. source of truth is a component state
- D. None of the above

**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

## 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?**

## Coding Challenge

15m

- [RC-CC-02 Interview Q-A App](#)
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## Coffee Break

10m



## Video of the Week

10m

- [How to fetch data from API using axios in React useEffect hook?](#)
- [What NOT to do in an Interview](#)

## Case study/Project

15m

### 1. [RP-05 Appointment App](#)

- - The solution will be provided on Thursday. Until that day, try to solve it on your own.

**Note: Focus on the projects that have been solved this week, review them, and practice them again.**

## 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?
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## Closing

5m

-Next week's plan

-QA Session

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