

TW-010 STUDENT VERSION



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

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 purpose of the useState hook in React?

- A. To manage state in functional components
- B. To pass data from parent to child components
- C. To handle asynchronous operations
- D. To define lifecycle methods

2. How do you pass data from a parent component to a child component in React?

- A. Using the useState hook
- B. Using the useEffect hook
- C. Using props
- D. Using lifecycle methods

3. What is the significance of the lifecycle methods in React?

- A. They help manage state in functional components
- B. They handle event handling in React
- C. They provide a way to clean up resources in components
- D. They control the rendering of components

4. Which lifecycle method is called only once, immediately after a component is mounted in React?

- A. componentDidMount
- B. componentDidUpdate
- C. componentWillUnmount
- D. componentWillReceiveProps

5. How do you update the state of a component in React?

- A. Using the setState function
- B. Using the useState hook
- C. Using props
- D. Using the useEffect hook

6. What is the difference between props and state in React?

- A. Props are used for state management, while state is used for data passing.
- B. Props are used to pass data from child to parent components, while state is used for data within a component.
- C. Props are immutable, while state can be changed.
- D. Props are used in class components, while state is used in functional components.

7. Which lifecycle method is called just before a component is updated in React?

- A. componentWillUpdate
- B. componentDidUpdate
- C. componentWillMount
- D. componentWillUnmount

8. Can you use multiple useState hooks in a single component?

- A. Yes, you can use multiple useState hooks in a single component.
- B. No, you can only use one useState hook in a component.
- C. Yes, but only in class components, not in functional components.
- D. No, useState can only be used in conjunction with useEffect.

9. How can you fetch data from an API in React using the useEffect hook?

- A. By using the useState hook
- B. By using the useContext hook
- C. By using the useFetch hook
- D. By making an asynchronous request inside the useEffect callback function

10. How can you perform side effects only once in React using the useEffect hook?

- A. By using the useCallback hook
- B. By using the useMemo hook
- C. By passing an empty dependency array as the second argument to useEffect
- D. By using the useLayoutEffect hook

11. Can you pass props from a child component to its parent component in React?

- A. Yes, props can be passed from a child component to its parent component.
- B. No, props can only be passed from a parent component to its child component.
- C. Yes, but it requires additional configuration.
- D. No, React follows a one-way data flow for props.

12. Which of the following is not one of the lifecycle phases?

- A. Mounting
- B. Updating
- C. Rendering
- D. Unmounting

13. What is the mounting phase in the React component lifecycle?

- A. It is the initial phase when a component is created and inserted into the DOM.
- B. It is the phase when a component receives new props and updates its state.
- C. It is the phase when a component is removed from the DOM.
- D. It is the phase when a component re-renders due to changes in its state or props.

14. What is the unmounting phase in the React component lifecycle?

- A. It is the phase when a component is created and inserted into the DOM.
- B. It is the phase when a component receives new props and updates its state.
- C. It is the phase when a component is removed from the DOM.
- D. It is the phase when a component re-renders due to changes in its state or props.

15. What is the updating phase in the React component lifecycle?

- A. It is the initial phase when a component is created and inserted into the DOM.
- B. It is the phase when a component receives new props and updates its state.
- C. It is the phase when a component is removed from the DOM.
- D. It is the phase when a component re-renders due to changes in its state or props.

Interview Questions

15m

1. How does the `useEffect` hook work in React?
2. What are lifecycle methods in React and how are they used with `useEffect`?
3. What is Lifting State Up in React?
4. Why fragments are better than container divs?
5. What are inline conditional expressions?

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-03 React ToDo App](#)
2. **Optional** [RP-04 Checkout Page](#) **Optional**
 - ***You can solve either the mock API version or the mock Data version, depending on your preference. An additional project has been provided for those who are interested. You can solve it at any time you wish.***

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
