TW-011 TEAM-LEAD VERSION (Sprint-6 Week-2)

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. 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.

Answer:A

2. Which language can you not use with React?

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

Answer:B

3. 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

Answer: D

[Reference](#)

4. 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

Answer: B

5. How would you correct this code block to make sure that the sent property is set to the Boolean value false?

```
ReactDom.render(
  <Message sent=false />,
  document.getElementById("root")
);
```

- ☐ A

```
ReactDom.render(<Message sent="false" />, document.getElementById('root'));
```

- ☐ B

```
<Message sent="false" />,
```

- ☑ C

```
<Message sent={false} />,
```

- ☐ D

```
ReactDom.render(<Message sent="false" />, document.getElementById('root'));
```

Answer: C

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

Answer:B

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

Answer:A

8 Why is it a good idea to pass a function to `setState` instead of an object?

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.

Answer:D

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>;`

Answer:B

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

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

Answer:C

Interview Questions   15m

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

Answer:
The React philosophy is that props should be immutable and top-down. This means that a parent can send any prop values to a child, but the child can't modify received props.

2. What are default props?

Answer:
AThe defaultProps are defined as a property on the component class to set the default props for the class. This is used for undefined props, but not for null props.

For example, let us create color default prop for the button component,

```
class MyButton extends React.Component {
  // ...
}

MyButton.defaultProps = {
  color: 'blue',
};
```

If props.color is not provided then it will set the default value to 'red'. i.e, Whenever you try to access the color prop it uses default value

```
render() {
  return <MyButton /> ; // props.color will be set to red
}
```

📝 Note: If you provide null value then it remains null value.

3. What is the difference between createElement and cloneElement?

Answer:br> JSX elements will be transpiled to React.createElement() functions to create React elements which are going to be used for the object representation of UI. Whereas cloneElement is used to clone an element and pass it new props.

Coding Challenge   20m

- [Random User App)](#)

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Coffee Break   10m

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Video of the Week   5m

- [Redux or Context in React](#)

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

- Random User App v2

Closing   5m

-Next week's plan

-QA Session

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