TW-010 STUDENT VERSION (Sprint-7 Week-2)

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. Describe what is happening in this code?

```
const { name: firstName } = person;
```

A. It is creating a new object that contains the same name property as the person object.
B. It is assigning the value of the person object's name property to a constant called firstName.
C. It is assigning the value of the person object's firstName property to a constant called name.
D. It is retrieving the value of person.name.firstName.

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

```
let dish = <h1>Mac and Cheese</h1>;
```

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>;`

3. Why should you use React Router's Link component instead of a basic `<a>` tag in React?

A. The link component allows the user to use the browser's `Back` button.
B. There is no difference--the `Link` component is just another name for the `<a>` tag.
C. The `<a>` tag will cause an error when used in React.
D. The `<a>` tag triggers a full page reload, while the `Link` component does not.

4. React does not render two sibling elements unless they are wrapped in a fragment. Below is one way to render a fragment. What is the shorthand for this?

```
<React.Fragment>
  <h1>Our Staff</h1>
  <p>Our staff is available 7/24 to answer your questions</p>
</React.Fragment>
```

- ☐ A

```
<...>
  <h1>Our Staff</h1>
  <p>Our staff is available 7/24 to answer your questions</p>
</...>
```

- ☐ B

```
<//>
  <h1>Our Staff</h1>
  <p>Our staff is available 7/24 to answer your questions</p>
<////>
```

- ☐ C

```
<>
  <h1>Our Staff</h1>
  <p>Our staff is available 7/24 to answer your questions</p>
</>
```

- ☐ D

```
<Frag>
  <h1>Our Staff</h1>
  <p>Our staff is available 7/24 to answer your questions</p>
</Frag>
```

5. Which choice will not cause a React component to rerender?

A. if the component calls `this.setState(...)`
B. the value of one of the component's props changes
C. if the component calls `this.forceUpdate()`
D. one of the component's siblings rerenders

6. The code below is rendering nothing, and there is an error that says "ReactDOM is not defined." How do you fix this issue?

```
import React from 'react';
import { render } from 'react-dom';

const element = <h1>Hi</h1>;

ReactDOM.render(element, document.getElementById('root'));
```

A. render(element, document.getElementById("root"));
B. ReactDOM(element, document.getElementById("root"));
C. renderDOM(element, document.getElementById("root"));
D. DOM(element, document.getElementById("root"));

7. What will happen when this useEffect Hook is executed, assuming name is not already equal to John?

```
useEffect(() => {
  setName('John');
}, [name]);
```

A. It will cause an error immediately.
B. It will update the value of name once and not run again until name is changed from the outside.
C. It will execute the code inside the function, but only after waiting to ensure that no other component is accessing the name variable.
D. It will cause an infinite loop.

8. Which library does the `fetch()` function come from?

A. No library. `fetch()` is supported by most browsers.
B. FetchJS
C. ReactDOM
D. React

9. Which class-based lifecycle method would be called at the same time as this effect Hook?

```
useEffect(() => {
  // do things
}, []);
```

A. componentWillUnmount

B. componentDidMount

C. render

D. componentDidUpdate

10. Which class-based component is equivalent to this function component?

```
const Greeting ({ name }) > <h1>Hello {name}!</h1>;
```

- ☐ A

```
class Greeting extends React.Component {
  constructor() {
    return <h1>Hello {this.props.name}!</h1>;
  }
}
```

- ☐ B

```
class Greeting extends React.Component {
  <h1>Hello {this.props.name}!</h1>;
}
```

- ☐ C

```
class Greeting extends React.Component {
  render() {
    return <h1>Hello {this.props.name}!</h1>;
  }
}
```

- ☐ D

```
class Greeting extends React.Component {
  render({ name }) {
    return <h1>Hello {name}!</h1>;
  }
}
```

Interview Questions   15m

1. Why do we need keys for React lists?

2. What is a ref? How do you use it?

3. What is the useEffect hook used for?

4. Explain the role of Reducer.

5. How to pass data from Child Component to Parent Component?

Coding Challenge   20m

- Coding Challenge: JS-CC-015 Bracket Validator

☕

Coffee Break   10m

☕

Video of the Week   5m

- Pros and Cons of Redux

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

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- FireContact App (RP-06)

Closing   5m

-Next week's plan

-QA Session