TW-012 TEAM-LEAD VERSION (Sprint-7 Week-1)

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. 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

Answer: C

2. ___ can be done while multiple elements need to be returned from a component.

A. Abstraction
B. Packing
C. Insulation
D. Wrapping

Answer: D

3. 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

Answer: A

4. 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

Answer: C

5. Which hook is used to prevent a function from being recreated on every component render?

A.useRef

B.useCallback

C.useTransition

D.useMemo

Answer: B

6. 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.

Answer: D

7 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

Answer: C

8 You have added a style property to the h1 but there is an unexpected token error when it runs. How do you fix this?

```
const element = <h1 style={ backgroundColor: "blue" }>Hi</h1>;
```

A. const element = <h1 style={{backgroundColor: "blue"}}>Hi</h1>;
B. const element = <h1 style="backgroundColor: "blue""}>Hi</h1>;
C. const element = <h1 style={blue}>Hi</h1>;
D. const element = <h1 style="blue">Hi</h1>;

Answer: A

9 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

Answer: C

10. Consider the following code from React Router. What do you call :id in the path prop?

```
<Route path="/:id" />
```

A. This is a route modal
B. This is a route parameter
B **C.** This is a route splitter
D. This is a route link

Answer: B

Interview Questions   **15m**

1. What is React Router? React Router is a library that helps developers manage and navigate different routes in their React applications. React Router makes it easy to declare and render different components for each route, and also keeps your application's state updated as you navigate between routes.

2. WHow does browser history work in React Router? React Router uses browser history in order to keep track of the current location within the app. This allows the user to use the back and forward buttons in their browser in order to navigate through the app.

3. What is nested routing? Nested routing is when you have routes within other routes. This can be useful if you want to create a hierarchy of pages, for example if you have a blog with different categories and you want each category to have its own page with a list of posts. To do this, you would create a route for each category, and then nest the route for the posts within that.

4. What do you understand about the 'to' attribute in React Router? The to attribute is used to specify the route that the user should be redirected to when they click on a link. The value of the 'to' attribute can either be a string, which will be interpreted as a relative path, or an object, which can specify the absolute path, query parameters, and so on.

Coding Challenge   20m

- Web Site with React Router)

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Coffee Break   10m

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Video of the Week   5m

- Basics of React Router

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

- Recipe App (RP-05)

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Closing   5m

-Next week's plan

-QA Session