

MODULE-2 TW-04 GROUP VERSION



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Workshop Activities - Tuesday
- ▶ Teamwork Activities - Friday
 - ▶ Questions
 - ▶ Interview Questions
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

10m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Workshop Activities (Tuesday)

90m

- Project - 06 : Sass Portfolio with React Router

Team Work Activities (Friday)

90m

Ask Questions

20m

1. 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.

2. 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
- C. This is a route splitter
- D. This is a route link

3. What is React Router used for?

- A. Managing the state of a React application
- B. Building a database for a React application
- C. Handling routing in a React application
- D. Loading a React Page

4. React Router is a library that provides _____ in a single-page application.

- A. Routing
- B. State management
- C. Component rendering
- D. Data fetching

5. React Router uses a _____ component to render a component when its path matches the current URL.

- A. Link
- B. Route
- C. Switch
- D. Redirect

6. The component in React Router is used to create _____ between routes.

- A. Navigation
- B. State management
- C. Data sharing
- D. Component rendering

7. Which React Router hook provides access to the current location object?

- A. useHistory
- B. useLocation
- C. useRouteMatch
- D. useParams

8. How do you handle a 404 error in React Router?

- A. By creating a new component for the 404 error page and rendering it in a <Route> component with no path specified
- B. By using the <Error404> component provided by React Router
- C. By using the <NotFound> component provided by React Router
- D. By creating a new route with a path of '*' and rendering a 404 error page component in it

9. What's the purpose of the BrowserRouter component?

- A. To create new routes
- B. To understand all of its children Route elements, and intelligently choose which ones are the best to render.
- C. Allows React Router to pass the app's routing information down to any child component it needs (via context)
- D. To make navigating possible in native applications

10. The useParams hook in React Router allows you to access URL parameters within a _____ component.

- A. Class
- B. Functional
- C. Higher-order
- D. Stateful

11. React Router allows you to perform client-side routing by manipulating the _____.

- A. Server
- B. Database
- C. Browser history
- D. Context API

12. Which of the following React Context methods is used to consume context values?

- A. useContext
- B. useState
- C. createContext
- D. useEffect

13. _____ is a technique of delivering data to a deeply nested component by passing it through a number of intermediate children components.

- A. Context API
- B. Prop drilling
- C. Lifting State Up
- D. Fault isolation

14. How do you handle passing through the component tree without having to pass props down manually at every level?

- A. React Send
- B. React Pinpoint
- C. React Router
- D. React Context

15. What does the component do in React Router?

- A. Renders multiple routes at once
- B. Renders the first child that matches the current URL
- C. Manages state between different components
- D. Handles data fetching

16. How do you programmatically navigate to a different route in React Router?

- A. Using the component
- B. Using the useNavigate hook
- C. Using the navigateTo function
- D. Using the Link component

17. What is the primary difference between BrowserRouter and HashRouter?

- A. BrowserRouter uses clean URLs, while HashRouter includes a # in the URL.
- B. BrowserRouter works only with React Native, while HashRouter works with web apps.
- C. BrowserRouter does not support dynamic routing, but HashRouter does.
- D. HashRouter is faster than BrowserRouter.

18. In React Router, how can you specify a default route to render when no other routes match?

- A. Using a with path="default".
- B. Using a with path="*".
- C. Using the component.
- D. Using the useDefault hook.

19. What does the useRouteMatch hook return in React Router?

- A. The current location object.
- B. An object containing information about the matched route.
- C. A function to navigate between routes.
- D. The current URL parameters.

20. How can you redirect a user to a different route in React Router v6?

- A. Using the useRedirect hook.
- B. Using the Redirect component.
- C. Using the Navigate component.
- D. Using the useHistory hook.

Interview Questions

15m

1. What is React Router?
2. How does browser history work in React Router?
3. What is nested routing?
4. What do you understand about the 'to' attribute in React Router?
5. Explain the difference between server-side rendering and client-side rendering in React.
6. Explain the concept of a Context in React.



Coffee Break

10m



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

Project will be announced during the week

Closing

5m

- Next week's plan
 - QA Session
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