

# TW-011 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. 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. How do you destructure the properties that are sent to the Dish component?**

```
function Dish(props) {  
  return (  
    <h1>  
      {props.name} {props.cookingTime}  
    </h1>  
  );  
}
```

- A. function Dish([name, cookingTime]) { return <h1>{name} {cookingTime}</h1>; }
- B. function Dish({name, cookingTime}) { return <h1>{name} {cookingTime}</h1>; }
- C. function Dish(props) { return <h1>{name} {cookingTime}</h1>; }
- D. function Dish(...props) { return <h1>{name} {cookingTime}</h1>; }

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

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

**14. \_\_\_\_\_ 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

**15. 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

## 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.**

## Coding Challenge

**15m**

- [RC-CC-03 Product List](#)
- 
- 



## Coffee Break

**10m**

## Video of the Week

**10m**

- [Basics of React Router](#)

## Case study/Project

**15m**

1. [RP-06 React Router Task](#)
  2. [RP-07 Clarus Library](#)
- - Clarus Library is a self study project and live solution will be provided on Wednesday and Thursday(26-27.07.2023). Try to finish before live session.

## 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?
- 

## Closing

**5m**

- Next week's plan

- QA Session