

## QUESTIONS OF THE DAY:

What are some differences between React functional and class-based components? What's the difference between props and state in React?

## SLIDES:

1. INTRO slide 3 – React Router
2. REVIEW:
  - a. Syntax for functional vs. class-based components
  - b. Props vs. State
  - c. Component hierarchy
  - d. Event handling – custom methods / lifecycle methods
  - e. Component lifecycle
3. Asynchronous SetState()
  - a. Javascript RunTime, Event Loop
  - b. Promises, Queue, Fetch async/await
  - c. Demo: Increment button – 3 times → returns 0
    - i. Adding “return” → returns 3
    - ii. Don't console.log immediately after setting state
4. React Router slides
  - a. Server-side rendering vs. Client-side rendering
  - b. Imports
  - c. [BrowserRouter](#)
  - d. [Routes](#) and [Route](#)
  - e. [Link](#)
  - f. [NavLink](#)
  - g. [Outlet](#)

For part 4 – Demo the live code:

- d) Add additional components and routes
- e) Display nested routes (WebDevSimp demo)
- f) Take out Outlay and see what happens
- g) Explain how data is rendered from data.js
  - h) Create a new object in the data array, and display it
  - i) Create two objects with the same year
  - j) Refactor with ID's as unique identifier, and have this be passed in through params
- k) Style NavLink using conditional rendering, using className

EXTRA:

Now add router links to the OG Facebook page:

- Add an About page
- Add a Navigation component
- Give each person in the data object a page