

## Chapter 08 - Let's get Classy

### Theory Assignment:

- How do you create Nested Routes react-router-dom configuration
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- Read abt createHashRouter, createMemoryRouter from React Router docs.
- What is the order of life cycle method calls in Class Based Components  
Order of life cycle method execution
  1. constructor
  2. render
  3. componentDidMount
  4. componentDidUpdate
  5. componentWillUnmount
- Why do we use componentDidMount?
- we use component did mount for AJAX calls
- Why do we use componentWillUnmount? Show with example
  - The componentWillUnmount lifecycle method in React class-based components is used to perform cleanup and teardown tasks just before a component is removed from the DOM.
- (Research) Why do we use super(props) in constructors?
  - 1. Access to parent class constructor
  - 2. Passing Props to parent constructor
- (Research) Why can't we have the callback function of useEffect async?

### Coding Assignment:

- Create a Class Based Component
  - Create 2 class based child components
  - Pass props from Parent to child
  - Create a constructor
  - Create a state variable inside child
  - Use this.setState to update it
  - What if there are multiple state variables?
  - Write a console.log for each lifecycle method
  - Play with the console logs to find out the correct order of their execution
- Create interval inside componentDidMount?
  - Use clearInterval to fix the issue caused by that interval

React Life Cycle Method Diagram -

<https://projects.wojtekmaj.pl/react-lifecycle-methods-diagram/>

Code Link - <https://bitbucket.org/namastedev/namaste-react-live/src/master/>