

Episode 04 - Talk is cheap, show me the code!

Theory

- Is JSX mandatory for React?
- Is ES6 mandatory for React?
- `{TitleComponent}` vs `{<TitleComponent/>}` vs `{<TitleComponent></TitleComponent>}` in JSX
- How can I write comments in JSX?
- What is `<React.Fragment></React.Fragment>` and `<></>` ?
- What is Virtual DOM?
- What is Reconciliation in React?
- What is React Fiber?
- Why we need keys in React? When do we need keys in React?
- Can we use index as keys in React?
- What is props in React? Ways to
- What is a Config Driven UI ?

Coding

- Build a Food Ordering App
 - Think of a cool name for your app
 - Build a AppLayout
 - Build a Header Component with Logo & Nav Items & Cart
 - Build a Body Component
 - Build RestaurantList Component
 - Build RestaurantCard Component
 - Use static data initially
 - Make your card dynamic(pass in props)
 - Props - passing arguments to a function - Use Destructuring & Spread operator
 - Render your cards with dynamic data of restaurants
 - Use `Array.map` to render all the restaurants

PS. Basically do everything that I did in the class, in the same sequence. Don't skip small things.

References

- Code Link: <https://bitbucket.org/namastedev/namaste-react-live/src/master/>
- React without JSX: <https://reactjs.org/docs/react-without-jsx.html>
- Virtual DOM: <https://reactjs.org/docs/faq-internals.html>
- Reconciliation: <https://reactjs.org/docs/reconciliation.html>
- React Fiber Architecture: <https://github.com/acdlite/react-fiber-architecture>
- React Without ES6: <https://reactjs.org/docs/react-without-es6.html>
- Index Keys as Anti-Pattern: <https://robinpokorny.com/blog/index-as-a-key-is-an-anti-pattern/>