

# Chapter 04 – Talk is Cheap, Show me the code!

- Is JSX mandatory for React
- Is ES6 mandatory for React
- 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 do 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 use props ?
- What is Config driven UI ?
- `{TitleComponent}` vs  
`{<TitleComponent />}` vs  
`{<TitleComponent> </TitleComponent>}` in JSX

## Coding Assignment :-

- Build a Food Ordering App
  - o Think of a cool name for your app
  - o Build a App Layout
  - o Build a Header Component with Logo & Nav Items & Cart
  - o Build a Body Component
    - Build ResturentList Component
    - Build ResturentCard Component
      - Use static data initially
      - Make your card dynamic (pass in props)
        - o 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/>