

Session 5 ⇒ 08/01/2023

Assignment

- What is the difference between **Named Export**, **Default export** and *** as export?**
- What is the importance of config.js file
- What are React Hooks?
- Why do we need a **useState** Hook?

Coding Assignment:

- Clean up your code
- Create a Folder Structure for your app
- Make different files for each Components
- Create a config file
- Use all types of import and export
- Create a Search Box in your App
- Use useState to create a variable and bind it to the input box
- Try to make your search bar work

References

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

Imports ⇒ Named & Default

```
// Default Import // Does not need to have the same name i.e we can rename it to NewHeader as well(But don't do it)
// Named Import // Not Object Destructuring
// import { Title } from "./components/Header"
// import them together, using
// import Header, { Title } from "./components/Header" // Header(Default) & Title(Named)

// If there are more than one components inside a file and we want to import them all
```

```
// then we can do
// import * as Obj from "./components/Header"
// Obj.Title ; Obj.Header
/* this explains React.Fragment */
// import * as XYZ from "./components/Header"
```

Importance of config.js file ⇒ stores all the hardcoded data ; act as a global storage ; easy access

React Hooks ⇒ Normal JS Function at the end of the day

useState hook is required to make the ui in sync with the changes being made

react keeps a track of the state variables and whenever something gets changed that component is rerendered BUT this is not possible with the use of normal let, const local variables as their changes are not being tracked by react.

Also, there is one way data binding in react.

```
// const searchTxt = "KFC";
// react uses one way data binding
// every component in react maintains a state
// and we can put in all the variables into the state
// everytime we want to use a local variable, we use state inside React
// using something known as useState hook

// What is state?
// What is React Hooks? // just normal functions
// What is useState? // to create state variables

// true - false toggle
// const [searchClicked, setSearchClicked] = useState("false");
// onClick={() => {
//     if (searchClicked === "false") setSearchClicked("true");
//     else setSearchClicked("false");
// }}
```

Coding Assignment Output :-

Order food online from India's <https://www.swiggy.com/dapi> | Namaste React

localhost:1234

The FOOD VILLA

Home About Contact Cart

Search Restaurants .🍔🍟🍕🌭🌭🌭🌭🌭🌭

Singla's Sweets, Bakery & Restaurant
Sweets, North Indian, Chinese, South Indian, Italian, Bakery
4.0 stars

McDonald's
American
4.3 stars

Apna Dhaba(Vikaspuri)
North Indian, Thalis, Indian
3.9 stars

La Pino'z Pizza
Italian, Pizzas, Mexican, Desserts, Beverages
4.1 stars

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localhost:1234

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Singla's Sweets, Bakery & Restaurant
Sweets, North Indian, Chinese, South Indian, Italian, Bakery
4.0 stars

La Pino'z Pizza
Italian, Pizzas, Mexican, Desserts, Beverages
4.1 stars

Burger King
Burgers, American
4.1 stars

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