

Ep. 4 Talk is cheap, show me the Code

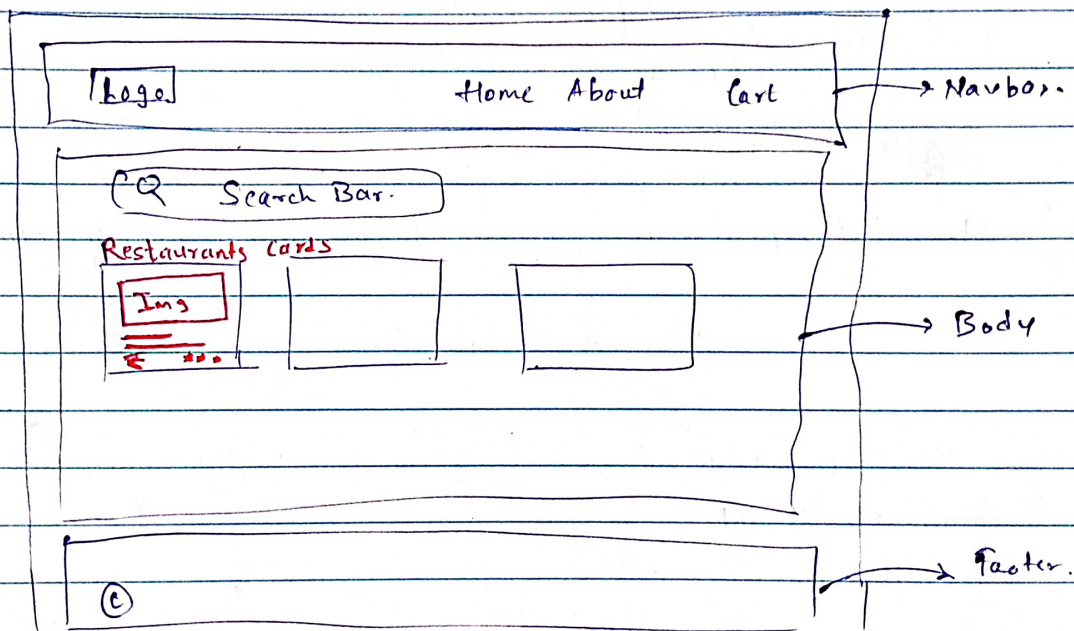
The First thing you will do while Building a App is (Planning)

- If your planning is good, code is very easy to write.

Food Ordering
App

Planning :- You should exactly know what you are building

- UI Design / layout / Blueprint - How it should look like?



Describe the Component for your App.

Navbar Component

- Logo Component
- Nav Item Component

Body Component

- Search Component
- Card Container

Footer

- License
- Links

props: props is a shorthand for properties. properties which u can pass to component.

- If you want to pass Data Dynamically to a Component, you can Pass it using Props. Props is an object.

At the end of the day, Props are just a normal argument to a Fn.

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(passing is a props to a Component) is same as (passing an argument to an Function)

Destructuring on the Fly :-

Eg: `const fnName = ({ propOne, propTwo }) => {
 }`

or:-

`const fnName = (props) => {
 const { propOne, propTwo } = props;
 }`

Config Driven UI: Website is driven by Data.

- ↳ Controlling your UI using your Data / using Config
- ↳ Config Comes from Backend.

Eg:- In Food Ordering Website

- Each location will have different data i.e, data is driven by Config
- Defining UI once, and data coming from backend
- UI is getting changed

Application need to be dynamic,

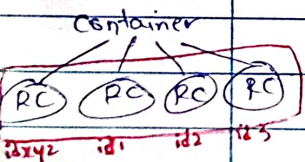
- ↳ It can work in different countries,
different States,
diff cities etc.

- *** -

- Whenever using map function or loop on a Component always assign it with unique key i.e, `key = {...}`

Now, Why we need Keys?

Helps a lot in infinite Scroll.



When there are Multiple Components at the same level which we are loop, then each Component must have a unique key. These ^{Components} needs to be uniquely Represented.

- * Because, when you don't assign a unique key to a Component, and if new Component comes in, react will re-render all the Component present. Hence it will hit performance. But, if you assign unique key to each Component, & if new Component comes in, now react exactly knows which Component is to be Rendered & it renders only that new Component.

- You can use index as the key also, Some developers use it.

eg:- `array.map (argul, index) => <Component key={index}/>`

Note:- But react itself Says that, using index as a key is **BAD PRACTICE!!!**
It's not Recommended to use index as key. It's **ANTI-PATTERN**

not using keys (not Acceptable) <<<< index as key <<<< unique id (best practice)

- If you don't have unique key/id in your api, then only prefer to use index as key.

- But using index as key should be your last option.