4. Talk is cheap, show me the code!

Components classNames Header Header Logo logo-container Nav items (menu items) nav-items Body Search Restaurant Container RestaurantCard Img Name of the res Star rating Cuisine Delivery time Footer Copyright Links Address

```
Attached External css file link rel="stylesheet" href="index.css">
```

AppLayout - BigComponent - all component inside that

Contact

Basic structure

Header

App .js

Index.css

```
.header
{
    display: flex;
    justify-content: space-between;
}
.logo
{
    width: 200px;
}
.nav-items ul{
    display: flex;
    margin: 20px;
}
.nav-items ul li{
    padding: 20px;
    margin: 20px;
    list-style-type: none;
}
```

Content display in vertical - **Display : flex**Move menu to right side - **justify-content : space-between Body**

Body.js

RestaurantCard (component)

For RestaurantCard we will create new component because we will reuse it That data we will use again and again always create separate component for that

Inline CSS

Here styleCard is Javascript Object Instead of styleCard we can direct write css code in style= $\{\{\}\}$ Here first $\{\}$ - telling JS code

Creating 1 Restaurant Card

Calling inside body

Index .css

```
.search
{
    padding:10px;
}
.res-card
{
    width: 200px;
    height: 350px;
    padding: 5px;
    background-color: ■#f0f0f0;
}
.res-card:hover
{
    border: 1px solid □black;
    cursor: pointer;
}
.res-logo{
    width: 100%;
    height: 170px;
```

Creating multiple cards

App.js

Index.css

```
.res-container
{
    display: flex;
    flex-wrap: wrap;
}
.res-card
{
    width: 200px;
    height: 350px;
    padding: 5px;
    background-color: ■#f0f0f0;
    margin: 5px;
}
```

How to make this cards dynamic

Props - properties

Property is something which we can pass to component

Suppose we want to dynamically pass data to some component so we can pass through props

Like

Component = normal js function similarly Props argument to js function

When we have to dynamically passing some data to component we pass

Instead of this we can use like this props

Destructuring::

We can write like this also this is also same thing

How to data come from backend to us It will come form of JSON

Swiggy api -confect driven UI

config driven UI

Controlling our UI , how the UI looks like using data , using config Api data is config Data can be diff for delhi Data can be diff for mumbai Data can be diff for pune

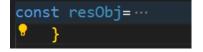
We have written the UI once and now according to data which is coming from backend our UI is getting change this is known as config driven UI

```
Any React application = UI Layer = 1. UI
2. Data
```

Eg . Suppose if we want to show red color background in delhi and blue color background in mumbai and green color background in kolkata we can do that too we just have to send color as config and config as drive our UI

Taking one restaurant card of Live data of Swiggy

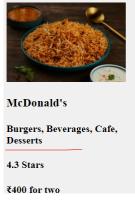
Copy paste one res card data in



Here cuisines are array
How to join , separated values

Before After





22 Minutes

Destructuring for one card of live API

Making img also dynamic

- 1.go to swiggy's website
- 2. Open any img in new tab
- 3. Copy URL and change img id of that img (made changes last part of URL)
- 4. Observe img changes to another img

We are creating one card

So copy multiple cards data (from json file) and paste inside the resObj

* **Just cleaning mess** (Best Practice to write code)

problem

Destructing this content so not need to write again and again

Solution

Problem

This is not good way need to do this cards dynamically

Solution

Suppose we add or

remove some restaurants then it will show less or more we don't worry about that

Problem

```
Warning: Each child in a list should have a unique "key" prop.
Check the render method of `Body`. See <a href="https://reactjs.org/link/warning-keys">https://reactjs.org/link/warning-keys</a> for more information. at RestaurantCard (<a href="http://localhost:1234/index.7826abd7.js:3046:13">http://localhost:1234/index.7826abd7.js:3046:13</a>) at Body at div at AppLayout
```

Solution

```
{resList.map((restaurant)=>
<RestaurantCard key={restaurant.info.id} resData={restaurant} />
)
```

When we use map, filter and reduce we need to give key Or whenever we looping something need to use key

Without key

React does not identify element uniquely

It's ok to use index as key but not recommended

```
// not using key (not acceptable ) <<< index as key <<<<<<< Unique id (Best Practice)
```

Index is key better than not key Not key is not acceptable