> Soive for Later Ashraya KK @ashrayaa.

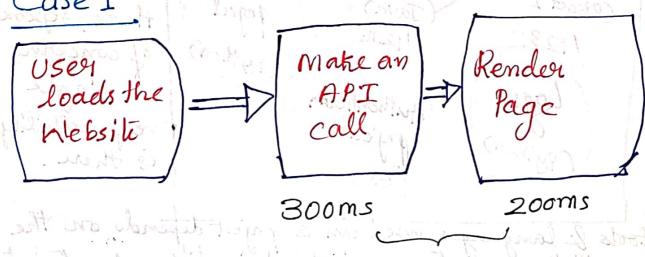
How to make on API call? -D Javasoript gives us fetch () function - Where do we call this api ain own component ? On every He change or any time my UI is updated, this would get re-render if we called api just after or before the usestate declaration. This is not a good way. Best way to call on april ? It should be like, as in when own Body component loads, cit used to call om API and fill the data.

There is different ways to handle this in react : 7

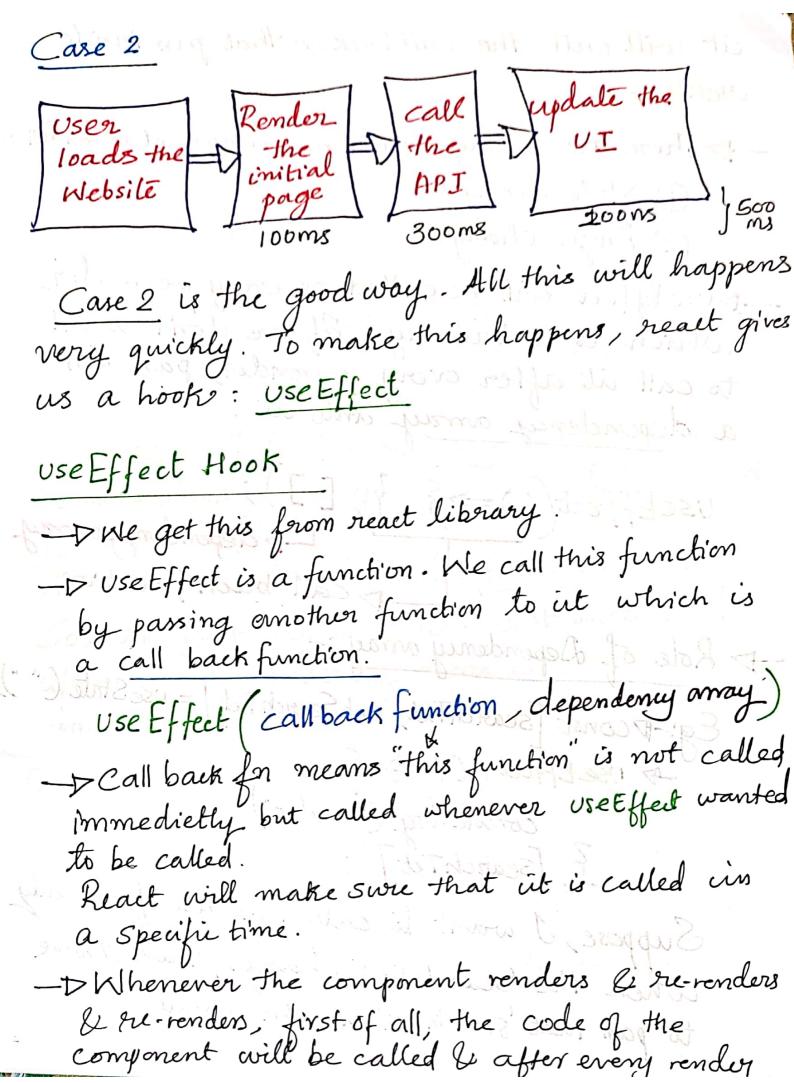
2 Ways are :-

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Case 1



500ms south IA . mound



cit will call the call back for that pass inside UseEffect(). There are 2 ways when my component re-render: 1 State change 2) Props change Duse Effect will be called on every re-render. which is a badway. If we don't want to call it after every re-render, pass in a dependency array into it. Use Effect (() ⇒ { }, []); LD dependency or may

Call back function -> Role of Dependency array: Eg: + Const [search Tat, set Search Tat] = use State ("") -> Use Effect (() => } console log ("render") 3, [Search Tat]); Suppose, I want to call this use Effect only when the 'Search Tat' changes, then I have to pass that 'Search Tat' in the array.

useEffect (() => } console.log ("call this when dependency is changed"); 3, [Search Txt]); Whenever this search 1xt
is changed, call this callback
function Suppose, if I don't want my 'call-back for to be dependent on anything. It will be called just once (2) just once And also It will be called after render. So, use Effect will be called just once and after initial render if there is empty dependency array. Fetching real data API call happens asynchronously. Let's create a async function. (Al Async-await is the most preferred way.

```
* Use Effect (() => {
          get Restaurants (); , []);
    async function get-Restaurants() {
     const data = await fetch ("https/swiggast");
      const json = await data json ();
     console log (json);
     set Restaurant (json data cards [2]1. datardatal cards
There are Security parameters & browser will block us from calling that swiggy api.
 Browser won't let us to call swiggy from own
 local host.
 To modify this, there is a plugin CORS.
  [Allow CORS: Access-Control-Allow-Origin]
  Itad this plugin to chrome
 This plugin lets you bypass the cors evvor
```

The old data will be rendered first for a few seconds and then new data comes.

If we removed that old data, page shows an ugly UI. So, initial screen to get rendered should be a loader / Shimmer VI. That is a basic skelton.

SHIMMER UI There was a research done and earlier people used to saw Spirming loaders a c at first and then suddenly every restaurants come up. This is a bad user experience. X Human brain don't like to view so many. fluctuations in the UI, according to psychlogy. Psycologist figured out that, instead of Spinners empty bones should be shown It is a better UI experience then for the users V As suddenly changes evre not happening. our eyes won't hwit This is known as SHIMMER UI

Shimmer UI resembles actual UI, so users will condenstand how quickly the web or mobile app will load even before the content has shown up. Every big company is following this.