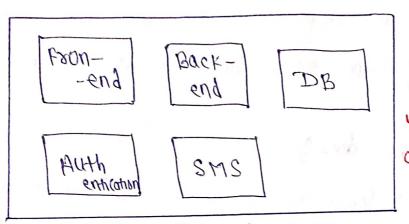
18/02/23

[Erisode-06] Explosing the world

-> Monolith Axchitecture & In this architecture we have a big Single Project which att have all the Services or coder into it

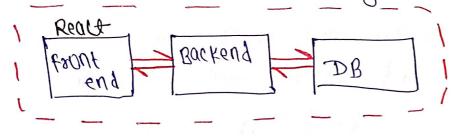


Here you have to work everything in some language, if your project is in Java then your from to be in Java

Pronolity Aschitecture.

- code file, which have different Sections into it:
- -> Fox exa 3- If you just need to update the colox of a button
 you need to compile all this big code and deploy this
 whole project.
- -> MICRO SERVICES architecture? In this architecture we have

and they combinly make a big PODECT.



MICRO Services architecture

working on a seperate code and backend eng on a dependence code file.

- ~ Seperation of concerns: for every small work tack we have a different folder.
 - -> Single responsibility Principle: Every Project / Roider have its

In micro-services architecture, both seperation of concorns and single responsibility principle is followed.

- -> In micro Services every team have their own Seperate project, their own deproyment yell
 - -> Here in micro-Services architecture you have different tech stacks for backend you can use reach for backend you can have Java etc.
 - connected to each other? How they talk/ Interact with each other?

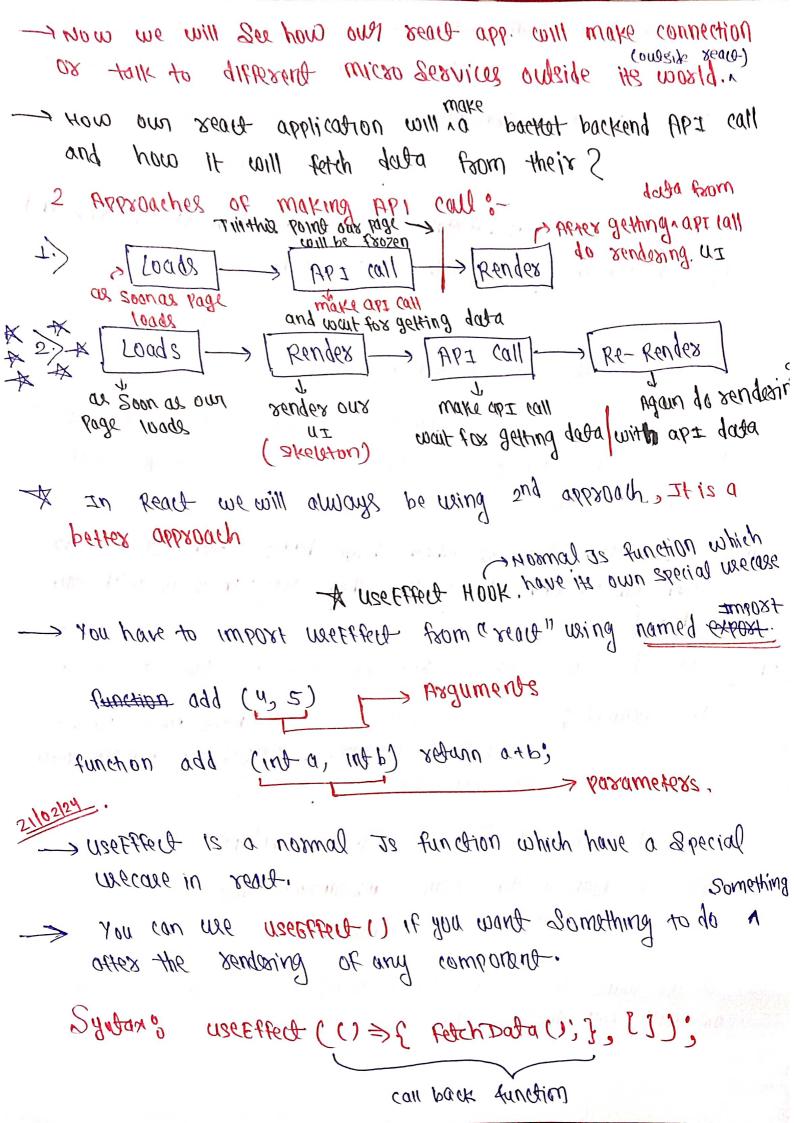
 After the domain

Ans An different Services our on different posts. or on a for example of 1234 \rightarrow ut An there posts can be 1000 \rightarrow Buckend mapped to domain name.

2000 \rightarrow SMS

Backend is mapped to logi mx canzoval api
SMS is mapped to logi mx canzoval 2ms
UI is mapped to logi mx canzoval

-> If uz wants to connect to backend it can call to lapi usl



Onclick = $\{doSomothing\}$ Onclick = $\{(1) \Rightarrow \{doSomothing(1)\}\}$

onclick = { dosomething ()} zmmediately

do-Something will be called number rendesting. Before even clicking.

Similarly use Effect (dosomething (1, []); *
This will also immediately called while rendering so don't do thus

you can also worte useffect (dosomething, []);

L'
you can also pass camback func. like this, but remeber that the should be written above useffect line.

-> It you do rendering on bosis of Some condition than it is caused conditional rendering. like we did for shimmer effect

A NOTES-

const [key, Setkey] = UseState ("Hie");

- Have you ever thought that it is a const, they how with the help of serkey it will be changed?
- -> Because const can not be changed, it's value can not be change
- -> When Read basically keeps an eye on setkey function, when-every it will be called, Read will render the whole component again and at this time it will create a new realiable with new default value.

- After chickens calling whole component but this time, it will compone whole component but this time, it will compone now unstual dom with the previous one, and it will find out which pare has been changed, or whose now part has been added and it will re-render only that part.
- The whole component will be re-render, But it will update the updated elament.
- Here update mouns making changes to the Dom
 to request the new changes in component
- Rendering again means / it is equivalent to calling that read functional component again.

22/02/24

when ever set state function is called, react is rendesing that component, but with the help of rewnsiliation process it is only updating the required new changes into the dom.

Event listnes of with an input field & you want to do Something it its value Input get's changed.

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Why we can not write onClick={update()}

In JavaScript and React, when you use `onClick={update()}`, it means that the `update` function is immediately invoked when the component renders. This is not what you typically want for event handlers in React.

When you use `onClick={update}`, you are passing a reference to the `update` function, and it will be called only when the actual click event occurs. This is the correct way to set up event handlers in React.

If you use `onClick={update()}`, it results in the function being called immediately when the component renders, which is not the intended behavior for handling a click event. This is why it's important to omit the parentheses when passing a function as a handler to events in React.

Note: It is similar to the reason why we cannot write onClick(setState());

Certainly! Let's break down event.target.value:

- 1. event: This represents the event that occurred, in this case, the onChange event. The event object contains information about the event, such as the type of event, the target element (where the event originated), and other relevant details.
- 2. event.target: This refers to the element that triggered the event. For example, if the onChange event occurred on an input field, event.target would point to that input element.
- 3. event.target.value: On an input element, this property represents the current value entered by the user. In the context of an input field, it provides the text that the user has typed or the value they have selected (in the case of a dropdown, for instance).

Putting it all together, event.target.value in the onChange handler of an input field gives you access to the text that the user is typing or has typed in that specific input field. This is useful for capturing and updating the state with the current input, allowing you to respond to changes in real-time as the user interacts with the input element.