## Let's Explore the World

## Monolith and Microservice Aschitecture &-

Moroleth :-

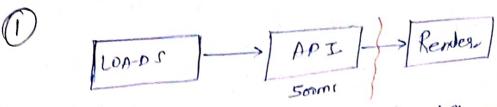
A monolithic Architecture is a Kaditional so fluxure development model that use one code base to perform multiple business function c. All the coffice component In a monotithe system are independent due to the data exchange mechanism within the system. It's restrictive and time consuming to modify monolithic architecture as smoot changes impact large areas of the code base. The cortext personsections

It's an aschitectural approach that composes softwice independent component or scenices. South Microscenses 6 sequite per personne a single function and communicates MEAN ofher scarices through a well defined interface.

Because they run independently / you can update, modify
deploy or scale each services as required.

Diagram

## How web API connects with lackend Data:-



As soon as page land, the mode-the API coen them renders

· UX is not good. Website is frozen till sooms

LOODS -> Render -> Recender

As som as page loads we readers the skeleton and then made a API call then re-render, all the stuff am to API.

A It has bester UX vous Experience In React we always follow and opposech.

\* use Effect (()=>{}, [])

Alegendancy Array.

Call back for

Use Effect functions called Affre our component Renders.

of first body will renders than our use Effect will be called.

After making API call we will update the list of Restaurants to dynamic data. So that the followed data Penders.

\* Initally Ust of Festament should be an Empty Arroy. const [list of Restaurants, setlist of Restaurant) = case Sole ([));

## Shimmer UI

If We show fake cords, until one got the data.

Shimmer looding is a cool animation trick often used when a web page or app is loading. It hold a part of the date in place with a moving arimation until everything is loaded. Advantagesi

\* Enhances User Caperience

\* Bord Performance

or Mort Trapoblantly's When user see a loading Screen with shimmer, they probably think it's their internet being slow not the product.

" There is Honced to load the online page all at once". We will use this when one aplies not called.

if ( list of Restaurants. length = ==0) { return < Shimmer/>; It is undition Rendering. { Cores plugin to bypass the consissue}

Wherer Use State variable changes, React Revenders. Component. Gooded Toggle functionality using Ternary Operator.

Const [bln NameRead, set Btn NameRead] = weState ("Login");

L button class Name = Vlogin-loyant-64n4 DEGGA

on Click = { () => {

byn Name React === "login" ? set Brn NameReart (" logo ud") ! set Btn Home React ("login");

}}>

Whenver state variable update, react toggers reconciliation cycle ( se-senders the component).

Greated A Searth box using Input and bird to local Stak being but they It is not taking input offer birding it to local state variable their we have added "on Change" event hondler.

Now after that applied fiftened that condition or event hardles to bellon.

Now solved One buy that search text is case sensitive by using to lowerlase () in both input getting and search sex

Affect that we have unded of AM local Ande unially list of restaures to use protect original because 9+ 95 most fying original dada whom we are searching.

e.g. we search beeger =) 2 servi lame

then again we search cafe =) Novestofi Come

because 9+ is now seasching from & these two.

Cores plugin Issue Resolved

paste the wel of wasproxy. io before Api call.

Attps:// corsproxy.io/?