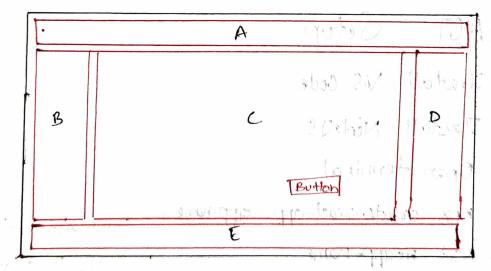
Annegge sufferentials no local of topic

React is all about components.

It is a component based architechure.

components lets you aplit the UI into independent, reusable pieces, and think about each piece in isolation.

Conceptually, components are like Is Junctions. They accept arbitrary inputs (called "props") and return React elements describing what should appear on the screen.



A, B, C, D and E are components.

Button is also a component inside a component C.

Why we need React?

- -> JS is based on imparative approach but react is based on declarative approach. -> Declarative approach in React means that we need to tell the end state only and React will work autometically. to Imperatives means line by time. Some means -> SPA + approach (Single Page Application) Easter development, etc.

 Conceptually, components are like 25 joinetions. * REACT AHEmatives bepasso port and return React elements describing what Angular Angular Chould appear the screen -> JS -* REACT Setup -> Install VS Code -> Install NodeIS -> Open terminal
 - -> npx create-react-app app-name commands to -> cd mapp-name from in term
 -> npm start

Winy we need React?

Folder J File - 1 index.1's -> It is the entry point of Js. It is the first file to execute. to use any file we import it first. 1 package-json -> contains dependencies & scripts V public linder. Html -> It is the main HTML file. (contains root element) VSTC I index. is -> It jetches the root element from index. html. (root. render (<App 1>)); (It contains App component) I APP 15 It contains the working of App components. I Appices -> ces file for estyling Note: To use any function, first you need to export from where it is created and import where you want to use. (1220.994). Irrogail To create a component always create a folder for that component and create Island ass diles in it in This dolder is created inside src dolder. anashalis ahatmahlis Create Component

To create a component we create a je file which contains a function, to use that Junction we export in the same file and import where we want to use it. The function we created for the component returns the SX gode, II and mobile Code (component file) lindexofs -> It felches the root element for import './Hem. css'; . Maddexshall here we use clossMame because Junction Item() of class is a reserved keyword in Is return &p class Name= rishabh's Rishabh return 2p clausHame='rishabh'> { Rest name} export default Item; We use ofy when data changes dynamically. App.js file (code) import './App. css'; import Item from '.1 components/item!; stores of for that compenent and gradge cass shipsi bettern Ci pole It dis mondatory to have a parent, when you have multiple <Item> (Item) child. <Item Date > (Item Date) _ Another component

export default App;

* Use of Props 1 months Props are arguements passed into REACT components. Props estands for properties. Code (component dile) functions I tem (props) for any port booten bus const itemName = "Rishabh"pprops.name1; return (gitemNamiy); To make this visible, we code (Appyis file) protes of distribution of bean Cp classificant = filling bodows is a circle and cape of s function Appl) & f garddhio wymei J reforn (<div> < Item namel = "Rishabh">2/Item>); , Another way (Appys) const response = [corray of objects Junction Apply & HemName: "Kushwahq";

Index of object return (a a coliver house LItem name1 = {rusponse[0]. Hem Mame }> Props extends for properties. </div> ر بر => But what happens when we do this LItem namel = Presponse Col. itemNamely I am Rishabh

(Col) & Land Markey < 1 seed 1 = seed 1 (200) (200)</td> This will not be visible. To make this visible, we need to add this in item-js file. <u>Lolius</u> CP clausMame = Hoishabh "> & itemNamey Junction Appl 4 & props. childreny 1 nochis 4010) (6111) CITION NOWNEL = " RISHARDY "> 2/14/01)

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