

#### Let's Build Own Store

REDUX

· Reduse works in the dataloger of our application

Let's see how we can handle the data effectively

using Redux.

Actually, Redux is not mandalony our own application. You don't need to use redux if you're using a small / mid-level application. But if you are using a large-scale application, where data is heavily used and a lot of read & write operations ever happening, in the then using 'REDUX' makes Sense.

Use 'REDUX' only if it is needed

REDUX & REACT are different libraries

There is another library like redux which is gaining popularity a lot i ZUSTAND

Hedren bros a huge huming

## Advantages of using Redux

- 1) Redun is used for hondling 'STATE' of our application.
- 2 When we use redux, it is easy to debug
- 3. Redux maintain application state in a single. Is object ("store"). This is the centralised approach.

# Two libraries that redux team offers ?-

- React-Redux Fract like a bridge b/w react & redux
  - 2 Redux Toolkit ] newer way of witing redux.

### REDUX TOOLKIT (RTK)

- -t created to help address 3 concerns about redun
- O Configuring a redux store is too complicated. Redux has a huge learning curve.
- 2) We have to add a lot of packages to get Redux to do anything useful.

3 Redux requires too much boilerplate code.

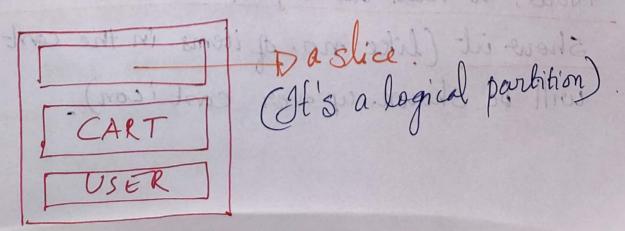
# Let us build CART FLOW

· If we click "Add" btn on menu item, it! should get added to cart.

Redux store
Lor is a big javascript object and kept in a global central place.

Lo We keep most of the data in our application cin Redux store.

- . It is absolutely fine to store a lot of data cin a single Js object.
- . To not make REDUX store very clumpsy and big we have SLICES. It's a small portion of own redux store. Nove to read data from the



- There can be different type of slices eg: - Cart slice, user slice, When we click "Add" button, how does the data go to cevit? - Two can directly add data to the cart > You cannot directly modify your court slice When we click on "ADD" button, ut dispatches an action & calls a function and this function modifies the cart internally. This function is known as REDUCER This REDUCER for modifies a cart (Slice of The redux store). Now, the cast will have some data. 2 Now, to read data from the carst and Show it (like no. of items in the cont will be shown up over carst i con).

=> For that we use SELECTOR. We will use Selector to read data from store and it will modify the react component. (carticon). wo at (REDUCER) dispatches an action LOGIO Calls a fundion selector 4 under 'ubils Suspecialing to the store - phenomena of using selector -pmeans react component (here, cart icon) is in sync with the store (header component is subscribed to the Store using selection). -> It will help automatically update header component.