

If any features you are building first discuss the features you will be building, then discuss the tech stack u will be using (5mins) and why, and then discuss the layout of the features(5mins) and component you will be building.

Npx create-react-app app\_name -> Here we r executing javascript create-react-app which will create a basic react app for me.

Configure Tailwind

Npm i -D tailwindcss

Npx tailwind init

Then add an extension of all files in tailwind. config.js file

Then in CSS file install @tailwind base, @tailwind components, @tailwind utilities

Configure redux for state management

Here, we are using Redux for state management because we need to set and access the menu's value globally

Install Redux and related packages. -> npm install redux react-redux @reduxjs/toolkit

Set up your Redux store.

Create slices for different parts of your state.

Wrap your app in the Provider component.

Use useSelector to read state and useDispatch to dispatch actions from your components.

To integrate routing

Install react-router-dom.

Wrap your app in a BrowserRouter.

Define routes using Routes and Route.

Create separate components for each route.

Use Link or NavLink for navigation.

Applying higher-order components on a card

Debouncing with 200ms

If the difference between 2 keystrokes is <200ms - the DECLINE API call

>200ms make an API call

Calling API using debouncing

Search box dynamic

I am using Redux for storing API responses so that if the same word is typed for searching, an API call is not made next time.

Show Suggestions

Cache: time complexity to search in array =  $O(n)$  time complexity to search in Object =  $O(1)$

[i, ip, iph, iphone]

{ i: ip: iph: iPhone: }

new Map();

YouTube Container

Live chat > infinite scroll > pagination

Get data live

Update the UI

We can handle live data using a web socket.

A web socket is a tool for handling live data. It is a two-way connection, so we can access data from both sides, the UI and the server. (no regular interval) It is heavy. Ex: Trading Apps, WhatsApp

API Polling: In API polling data is unidirectional. UI will keep polling data from the server after some interval. Ex: Gmail, cricbuzz, youtube

Hooks -> [useRef – React](#)

useRef

36:00

useMemo

useCallback

Difference between useRef, state variable, and normal variable

22:00

06:00