



src → main folder [source code]

it is best practice to put each component in separate file.



create a components folder.

in the components file for each folder,

① first export the component in file using:

export default Header;

② Then import Header from "filePath";

industry standard



* never keep any hardcoded data in the components file

→ no data
→ no url

make another folder for constants

utils, common etc..

↳ constants.js : hardcoded stuff .

TYPES OF EXPORTS & IMPORTS.

default

named

- a file can only export one thing.
 - simply import.
 - import varName from "Path";
- a file can export multiple items
 - export const varName;
 - import using S 3
import { varName }
from "Path";

Question: can you use default export along with named export.

→ In one same file, we can have at most 1 default export and multiple named exports

button that filters, top rated restaurants
rating > 4.0.

FILTER BUTTON

① Event handler.

Inside the button, send in attribute onclick
which takes a callback funcn,

onclick = $\{()\} \Rightarrow \{$

console.log("button clicked");

3.3

② Filter the list of restaurants.

use `array.filter` to filter the restaurants
with rating above 4.

the list changes but the UI does not change
make it a.

SUPER POWER VARIABLE.

||
state variable

introducing

HOOKS.

- ↳ normal javascript function, given by react, with some superpowers.
(utility functions by React)

1. use State()] most important hooks.
superpowerful react variables
maintains the scope of your component.

2. use Effect()

how to use use state?

used to create
state variable.

① import {use State} from "react"

↓
named import

what you pass
here is initial
state.

② const [listRes] = use State ([]);

↓
we receive
inside an
array.

↓
gives a state
variable

→ listRes is now a STATE
variable

③ add a set function like this

const [listRes, setListRes] = ___

↓

this function just
sets the state i.e.
if any modification
has to be done, it's called.

Whenever the state variable updates,

React re-renders the UI

(diffing algo)

Reconciliation algorithm [React Fiber]

Whenever state variables update, React triggers a reconciliation cycle and re-renders the component.

The data layer is always in sync
with the UI layer

react
elements.
virtual
DOM
Objects

