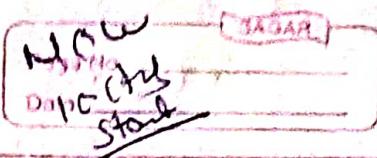


L - 8

## CLASSY



No longer use

Highly asked in Interviews.

Today

Read about other Routes from exact-routes-dom official document website.

Nested Routing :-

In config of path using exact-routes-dom we create relative path using children.

Today

When assign path to so, for children no need to use slash

When 'so' has children [ { } ]

Path: "profile",  
elements ]

We want /about/profile  
Local host: 127.0.0.1/about/profile

else no slash otherwise

exact consider it  
Local host: 127.0.0.1/profile

① CSS - Pick  
Ctrl + Click

② Better Comments

Prettier  
Indent Rainbow

③ Indent Tools

④ Prettier

⑤ REST API

⑥ API Tools



We cannot create class ~~method~~ component by just without using Rendered method  
 ↪ ~~render()~~ return ~~it~~ code.

This ~~renders~~ method return JSX  
 It is mandatory to use.

We have to also export class component  
 for ex:- `export default Profib;`

Some like functional component we have ~~export & import~~ in desired file where we want to ~~renders~~ it.

~~extends~~ → Use to inherit some properties from ~~something~~ anything

→ In class base :- ~~To this~~. Props. Help

✓ ~~constructor~~ to get proxy

```
ex- render() {
    return (
        

See


            {this.props.name}


    )
}
```

What happen when React ~~see~~ props in Class based Component

✓ - So, React keep track of class, so it will all props of that class and attached to that class now we can use it by using this

One thing it is not mandatory to use  
SetCount in use State in functional combobox

Const [count] = useState(10) - as we do not  
use SetCount so need to write  
[count]

In class based Component, it has  
Constructors () {

Q: Why we have two prologue

Constructor (props) {  
state(props);

For state variable

In Class we use Constructor (props) of  
state(props).

Constructor is placed that uses for initialization

Whenever class is rendered, constructor  
is called so state is here this is best  
place to create state.

We use this to get props now for  
state we use like this

Constructor (props) {  
state(props);  
if (props.state)  
this.state = {  
count: 0, default value

to use this

~~def count(self):~~ Count = {this.state, count} [they]

so in class based component all state variable created as part of one object.

So, for using more than one state

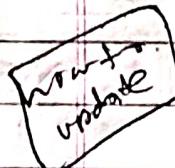
here → this.state = {

count: 0,

count2: 0,

}

React uses one big object to maintain whole state even in functional component also.



how do we set state (as like we have done in functional component) in class comp

React gives us setState or -

/ button onclick = {()=> {

this.setState ({

count: 1,

});

})

)

SP4000

(button)

We do not mutate State directly.

We never do this. State = something.

Subtask we have to update

Second Count also

+ len similarly

`# <button onclick={f1=13},`

`this.setState({`

`count: 1,`

`counting: 0 })`

`)`

This also can be work but not best

`<button onclick={f1=13,}`

`this.setState({`

`count: 1,`

`counting: 0 })`

`this.setState({`

`count: ?,`

`)`

~~initiate~~ → from back

1st Read Assignment

then Read this

In life cycle of class

first of all constructor call

then render

We know use effect last for API to call

as because whatever we can render

first then later on we update the state by (API call).

→ In class this is a method to  
call ~~setters~~ after render.  
ComponentDidMount()

1st of all constructor call  
end render call  
then ComponentDidMount call

so, the best place to call API is  
ComponentDidMount because it after render

This is life cycle method & there are lots of  
other life cycle methods

V.V.S

So, we can also write

Class ~~React~~ extends Component {

but for this we have to import  
import {Component} from "react";

L-39

→ Reactrendery in two  
phase

1st - Render

2nd - Commit phase

- React first Complete Render phase  
Render phase include Render & constructor

Commit phase where React modify  
dom

~~here React used to do~~

8/

Parent constructor

Parent render

First child constructor

First child render

Second child constructor

Second child render

First child Combindom

Second child Combindom

Third child Combindom

React first call constructor then render and  
render its need to put things to  
dom so, In commit react will  
update dom & then it will call Combindom

→ Render phase is fast than Commit phase  
 because in Commit phase it has to update dom which is harder, render phase is dealing with object & creating html which is fast. Root batch is inside render phase.

What happens is

First Root →

Parent constructor

Parent render

firstChild constructor

firstChild render

Root will say there are more children so let me finish complete render phase then.

Commit phase is because suppose if one of child make a pt call then it will delay render of other child.

✓ we can do asynch with commitDidMount but not with useEffect

✓ CommittedDidUpdate is call after every update + cycle effect. → it is like useEffect

constructor (initial state, portCount)

ComponentDidMount (props, portCount) /

if (this.state.count != portCount) {

// Code  
} // End of bracket

function ()

Take once:-

ComponentDidMount () {

this.timeout = setInterval (t => {

console.log ("Interval")

this will  
trigger  
when

we  
use  
those.

variable  
should  
be unique  
in that  
(to trigger  
reference).

ComponentWillUnmount () {

clearInterval () {

clearInterval (this.timeout);

This  
will  
trigger  
when  
we

leave  
page.

I : S)

SABAR

Page No. \_\_\_\_\_

Date \_\_\_\_\_

This behavior also shown in functional based component so,

~~useEffect ( () => {~~

~~const time = SetInterval ( () => {~~

~~const id = ( () =>~~

~~}, 1000);~~

~~// to cancel ite~~

~~return () =>~~

~~( clearInterval (id) )~~

~~}~~

~~it is callback  
function~~

~~which excal  
when leave  
base like  
ComponentDidUnmount~~

~~oncom~~

~~→ ComponentDidMount → it will render after first  
ComponentDidUpdate → it will render after every  
update or render~~

## EPISODE:- 8

### Assignment

Page No. \_\_\_\_\_  
Date \_\_\_\_\_

SAGAR

Q) How do you create Nested Routes react-router-dom configuration.

For this first of all we import { CreateBrowserRouter } , RouterProvider, outlet from 'react-router-dom' (after intall npm install react-router-dom)

and Now we will create configuration

```
if us include this const angularDom = CreateBrowserRouter [ { path: "/ / ", let appRouter to send which compo. + this for Expos 3 ]
```

we can also use children

```
{ Path: "/about",  
Element: <About/>,  
children: [ {  
path: "profile",  
Element: <Profile/>, 3 ] } 3 ]
```

This host will render when URL is  
About/Profile

])

Outlet - we use this as it is an component  
which fill up the configuration

We put <Outlet> as per our requirement as  
to renders the above configuration

Fox

Const A playout = (1-5) {

dition (

(through)

(outlet) — hose

So, it will be

(Foot)

~~as internal~~  
Hose & FootNote outlet always created in parent  
~~(written)~~

TOP

RouteProvider is Component which is coming from Root Router dom

Now to provide Route to renderer

(1) we use RouteProvider &amp; Now

this will take this configuration router

as root:renderer({RouteProvider router={abnormal}})



what is the order of life cycle method calls in Class Based Components?

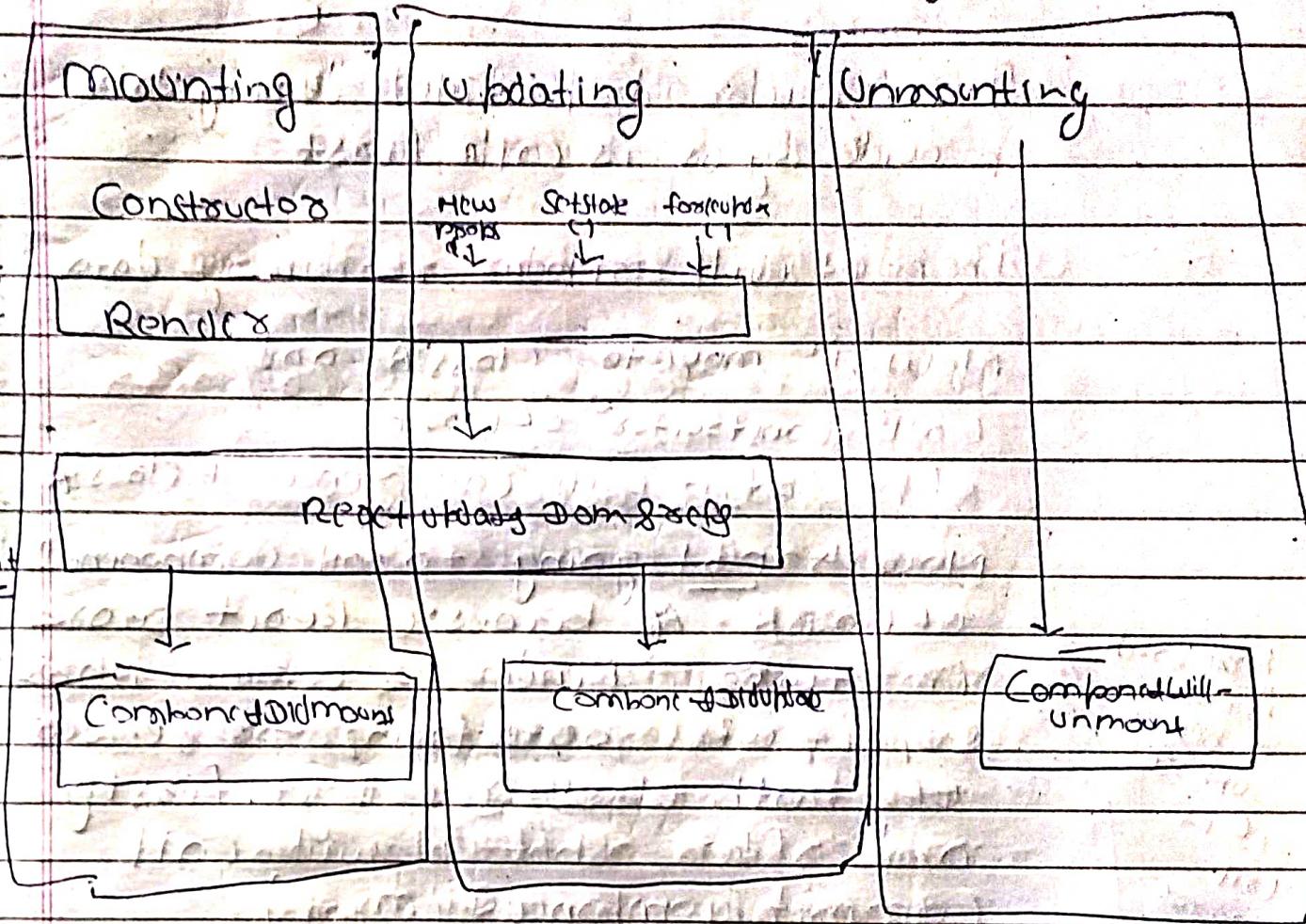
→ First of All ~~use~~

Class Profile Extends React.Component {

3

In this call firstly ~~use~~ constructor call, then render call then ComponentDidMount but when there is more than class

Component as child then scenario is changed. There is 3-cycle



Can me explain these all by one ex -  
Suppose we have, class

class MyExtendsReactComponent {

ISI  
and here I am also send  
construct { 3

$\xrightarrow{3 \rightarrow 0}$  ComponentDidMount { API call 3

render {

Let it be A rendering two other class  
Let it be B userClass name='mount' />  
Let it be C userClass name='unmount' /> 3

what happen is that In first phase ~~constructor~~ mounting

In constructor do provided dummy data provide by us is call first

then it will render +6 dummy data

Now it move to CLASS A and

Call Constructors of CLASS A

after that it will call render of CLASS A

Now its not going to call ComponentDidMount of CLASS A because React work in two Render & Commit phase

So, it will both (join) +6 renders of both class & call it firstly and after that it will call ~~ComponentDidMount~~

Now it going to call Constructors of

CLASS Q then call render of CLASS Q then

after that it will call

CLASS A ComponentDidMount

+6 CLASS B ComponentDidMount

and last post ComponentDidMount

both batch  
is done  
as because  
Subtask  
if it

call  
render  
for  
ComponentDidMount of

first

call after

that it

renders

and one

and call

and ComponentDidMount

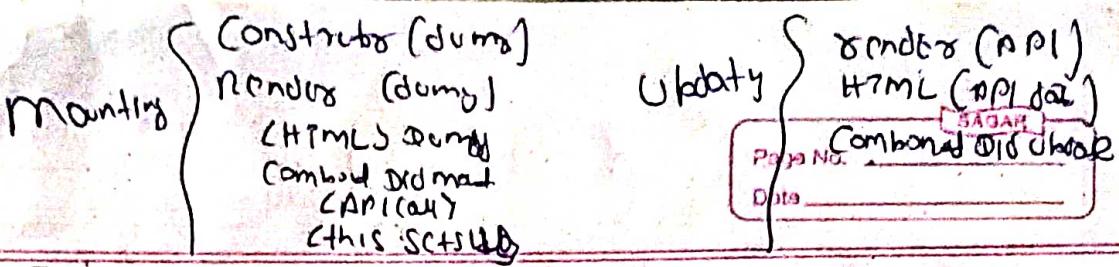
then it will

make it

Slow this is

why it

batch render



→ As soon as ~~parent~~ it close loaded

constructor will call and after

this render happen & next

now in commit phase react

construct dom by dummy data

Now `CombinedDidMount` call &

in that `CombinedDidMount API` is

called by ~~parent~~ (as it is last place to call API)

& in `CombinedDidMount` we have `this.setState`

which is call & it will update state

variable now this happen react will

render once again and now react

will update dom with new value coming

from API and now it will

call `CombinedDidUpdate` and

last its unmount state

Combat will unmount → (remove from UI) when we  
go to new page it will call

↓  
else {  
 const [Count, setCount] = useState(0);  
}

constructor () {

this.state = {

userInfor: {}

now: Date, // dummy date because  
 os: JS

assign (combinedDidMount) {

(API call) fetch (JSON)

this.setState

userInfor: JSON }}

renders [ ]  
options

(dry fix save) (dat from on 1)

→

## ⇒ why do we use ComponentDidMount()

→ In React life cycle it is call after constructor & rendered : this will trigger when we visit page ~~and~~ only once and it is best place to call ap.

it is mostly used for performing task that should occur only once such as fetching data from API, Subscribing to events

→ it is important to note that ComponentDidMount() is not call when the Component is rendered unless the Component is unmounted & mounted again. and if we need to perform tasks like when Component updates or receive new data we use other lifecycle ComponentDidUpdate().

Q) Why do we use Constructor overloads?  
Chaining with Examples

→ It will trigger when we have base  
of function.

Constructor overloading if

(constructor (name)) {

(constructor (name)  
on-this-time)

Q) - Cleaning up Event Listener → it is imp to remove

of those event listeners to avoid memory  
leaks.

Q) Why do we use Super (base) in  
Constructors

- In Java while the Super () keyword is used to call the constructor of parent class if it is necessary to call 'super (params)' in constructor.
- Accessing this .params - by calling super (params) the params parameter is passed to the parent class constructor. This allow you to access this .params within constructor or without calling 'super (base)' this .params would be undefined in constructor.

Q- Initializing State:- In many cases, the constructor is used to initialize component state by calling 'Super(props)' wherein that parent (Pooe) constructor is called first, which sets up the component's initial state properly. This enables you to access this state and initialize it with default value or value from desired props.

Q- Why can't we have the callback

function of useEffect async? (In useState)

Somewhat  
+  
asyncted  
can't use  
why?

In React, 'useEffect' hook is designed to work with synchronous functions and does not directly support using asycn functions as callback functions. This is because useEffect hook exports the callback function to either return cleanup function or

not return anything at all.

But we can use some workarounds to

use asycn function within the useEffect hook, but remember that the

cleanup function will be synchronous and not async, so any asynchronous code

const fetchData = () => {

const fetchData = async () => {

+>y {

const res = await fetch ('https://...')

const data = await res.json();

return data;

}

fetchData();

return () => {

// case

return () => {

3

3, [7, ]