# Session 1

React JS  
  
  
  
Agenda  
  
  
  
Pre-requiste for React  
  
What is React  
  
Purpose of React  
  
Why React ?  
  
  
  
General Things  
  
Doubts ?  
  
  
  
Pre-requiste to Learn React  
  
HTML : elements, Tags, Attributes  
  
CSS : general Properties, selectors, flex(Optional), Grid(Optional)  
  
  
  
JavaScript : Advance JS  
  
  
  
Variables eeweeeneneennneeee  
  
Data types Events Es¢  
  
  
  
Functions Promises  
  
Operators OOPs  
  
Selection statements : if else switch let var const  
  
Object Module Scope  
  
  
  
Array Clousers  
  
DOM and DOM Manipulation  
  
  
  
What is React or React JS ?  
  
  
  
React JS is a JavaScript Library packages  
  
  
  
React JS is m@t a Framework + collection of pre-  
  
  
  
defined classes  
  
  
  
What is Library ?  
  
  
  
Library is a collection of Pre-defined functions, classes or objects  
  
  
  
ee  
  
  
  
React is a collection of pre-defined function , classes and object  
  
  
  
JavaScript  
  
  
  
What is the purpose of React JS ?  
  
  
  
React JS is used to create User Interface  
  
  
  
Frontend Application »  
  
  
  
React + Other Libraries  
  
  
  
ReactDOM  
  
  
  
Redux  
  
  
  
Axios  
  
  
  
ReactRouter  
  
  
  
React  
  
A JavaScript library for building user interfaces  
  
wa  
  
React ------- > User interface--------> + -------- >Other Libraries ------ > Front end Application ------------->  
  
  
  
Frontend Enginner's 2  
  
  
  
What is React we  
  
Purpose of React VA  
  
Final Outcome of the voursew’  
  
  
  
Why React JS To Develop User Interface  
  
  
  
HTML ------------- User Interface  
  
  
  
User Interface  
  
  
  
React ----------- ?  
  
  
  
duration : 2.5 month  
  
  
  
React JS ---+-- Project (Ecommerce)  
  
Fees : 8k  
  
  
  
Mon -- Fri : 8am to 9am  
  
  
  
Sat and Sunday  
  
  
  
Paints + Code + Interview Question + Professional PDFs  
  
1yr access  
  
  
  
WhatsApp group.  
  
  
  
fetch  
  
axios

# Session 2

Session -2 on React  
  
  
  
Pre-requisiste to learn React : HTML, CSS, JS  
  
What is React ? ———#————\_\_\_\_\_\_\_\_ React is a JavaScript Library  
  
  
  
What pan Library is a collection of pre-defined  
  
What is Library functions or classes or object  
  
  
  
Purpose of React  
  
  
  
React is used to build or create User Interface  
  
  
  
~~  
  
  
  
Collection of UI] Components  
  
HTML ------------ Ul |  
  
JavaScript ------ Ul a  
  
  
  
React ----------- ?  
  
  
  
Why React is used to create User Interface ?  
  
  
  
1. creating Ul is simple in React  
  
  
  
2.we can re-use the UI in the React  
  
  
  
Create a Simple Button Using HTML’  
  
  
  
Button Elerpant ------- Button Tag  
  
  
  
Create a Simple button Using JavaScript  
  
  
  
Pre-defined object and functions —— document.createElement()  
  
  
  
DOM Button Element  
  
  
  
DOM  
  
HTML JS  
  
|  
  
1 5  
  
  
  
In HTML, We cannot re-use the UI  
  
Creating UI (Button ) is easy in HTML wae +  
  
  
  
In JS, We can re-use the UI  
  
Creating UI in JS looks little complex oe —  
  
  
  
React  
  
  
  
In React, Creating Ul is easy and  
  
simple like HTML Y~  
  
  
  
In React, We can re-use as UI multiple a  
  
times.  
  
  
  
How to create Button and List in React ?  
  
we YY

# Session 3

React JS  
  
  
  
Last Session  
  
  
  
1. creating the Ul in HTML is easy  
  
How to create Ul with HTML  
  
  
  
button 2. we cannot re-use the UI in the HTML  
  
List  
  
How to create Ul with JS 4. we can re-use the UI  
  
button  
  
List  
  
  
  
2.creating Ul is complex process  
  
  
  
React  
  
  
  
Creating Ul is as simple as in HTML  
  
  
  
We can re-use the UI like Javascript  
  
  
  
Create a Simple button using React  
  
  
  
1. create a html file  
  
  
  
2.Add basic code of html  
  
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
<title>Button in React</title>  
  
</head>  
  
<body>  
  
  
  
</body>  
  
</html>  
  
  
  
3. Add <script> Tag inside the <body> Tag so that we can write react code  
  
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
<title>Button in React</title>  
  
</head>  
  
<body>  
  
<script>  
  
Here we wi write React Code  
  
</script>  
  
</body>  
  
</html>  
  
  
  
4. Integrate React JS with HTML Document.  
  
  
  
React is a JavaScript Library  
  
  
  
collection of pre-defined function, or  
  
classes or object  
  
  
  
<script src="<path of JS>"> </script>  
  
  
  
ReactButton.html  
  
  
  
react.development.js  
  
  
  
<html>  
  
<head>  
  
<title>Button in React</title>  
  
<script src="https://unpkg.com/react@18/umd/react.development.js"></sc  
  
</head>  
  
<body>  
  
  
  
<script>  
  
Here we will write React Code  
  
</script>  
  
</body>  
  
</html>  
  
  
  
HTML--------------- HTML elements---------------- Ul Comp  
  
  
  
JS --------------- pre-defined object and function------ DOM Element-----------  
  
add in the DOM---------- Ul  
  
  
  
React ------------- Pre-defined object and functions------- React Element— —  
  
  
  
5. Create React Element.  
  
  
  
var reactelement= React.createElement('<tagName>", {---},Children)  
  
  
  
var buttonReactElement = React.createElement (  
  
"button",  
  
  
  
2  
  
  
  
"React Button"  
  
  
  
6. Add React element inside the DOM .  
  
ReactDOM is a Library which is used to add React Elements inside the DOM  
  
Integrate ReactDOM with HTML Document.  
  
  
  
kseript src="https://unpkg.com/react-dom@18/umd/react-dom.development.js">  
  
  
  
ReactDOM.render(<React Element>,<DomElementReference>)  
  
  
  
ReactDOM. render(buttonReactElement, document.getElementById( "body" ))  
  
  
  
Creating UI in React is simple or Complex ? 7  
  
HTML -------- React  
  
JSX  
  
ReactDev ----- JSX Element -------- babel compilers---------- React Elements---  
  
ReactDOM------ DON------ Ul  
  
  
  
<h2>----</h2> var h2 = <h2> --- </h2>  
  
  
  
<button>----</button> var button = <button> </button>  
  
  
  
List  
  
button  
  
  
  
List  
  
  
  
React Session Recording : Admin

# Session 4

REACT JS  
  
  
  
React elements  
  
  
  
div  
  
h2  
  
  
  
Creating UI in React Looks little Complex  
  
  
  
Create a List Element using React Element Approach  
  
  
  
<ol> ~” Children  
  
  
  
How to configure the attributes in React Elements.  
  
  
  
Kons")  
  
~~ <div> tM  
  
  
  
<div>”  
  
  
  
2>  
  
<p>  
  
  
  
</div>  
  
</div>  
  
  
  
Dev ---React --  
  
  
  
--React Elements -t--- DOM using ReactDOM----- Ul  
  
  
  
Dev ------- JSX Elements -------------- babel Compiler--------------- React Elements-----  
  
ReactDOM -------------- DOM------------U]  
  
  
  
How to create button with JSX  
  
  
  
———  
  
———  
  
ee  
  
a ff C—O  
  
—\_—\_\_\_\_  
  
—— —\_—\_— —\_—\_——\_$\_\_\_\_\_\_\_  
  
en  
  
  
  
Last Demo Session. a ==  
  
  
  
Ecommerce Project

# Session 5

Today is the Last Demo Session  
  
  
  
How to create Ul using JSX  
  
  
  
Integration babel with HTML document  
  
  
  
Configurtion Part  
  
  
  
Ch default :  
  
  
  
width : ~~ 100%  
  
  
  
user name  
  
—\_————\_ height: ~ depends on  
  
| children  
  
Add css  
  
Internal Css  
  
Image  
  
  
  
<img src="" alt="" width="" height=""/>  
  
  
  
How to add JavaScript Code inside the JSX Element ?  
  
  
  
<jsx-element> { javascript code } </jsx-element>  
  
  
  
<jsx-element attribute-1 = { javascript }> -------- </jsx-element>  
  
  
  
css  
  
  
  
flex  
  
grid  
  
positions  
  
  
  
2hr on flex concept in css Create a Card in Pure JavaScript Code .  
  
  
  
master flex concept  
  
  
  
concept x ——-\_\_\_\_\_\_\_  
  
  
  
How to create UI inside the JavaScript Function .

# Session 6

Last Session React  
  
  
  
How to create a simple card using jsx \_ Practice  
  
  
  
How to re-use UI wae  
  
  
  
How to create Ul inside the JavaScript function a  
  
  
  
How to pass dynamic data to the UI a  
  
  
  
React JS  
  
  
  
a  
  
  
  
a OO  
  
  
  
div  
  
1. lets create a container like this .  
  
  
  
In React, whenever we want to create any UI then, that UI we will always create a in  
  
JavaScript Function  
  
  
  
Why we have to create UI inside the JavaScript function ?  
  
  
  
1.We can re-use the Ul  
  
  
  
2. we can pass dynamic data to the Ul  
  
  
  
function createCard(){ function geateCard(}{  
  
  
  
return <div> </div> retum <div> —--- </div>  
  
  
  
}  
  
  
  
createCard() a <CreateCard> </CreateCard>  
  
or  
  
  
  
<CreateCard />  
  
  
  
<CreateContainer />  
  
  
  
<CreateContainer />  
  
  
  
<CreateContainer />  
  
</div>  
  
  
  
Functional Component  
  
  
  
It is a simple JavaScript function whose name starts with uppercase and  
  
which return User Interface (JSX or React Elements) .  
  
  
  
There are two types of Component in React prover  
  
1. Functional Component — pore.  
  
FP : simple and  
  
2. Class Component (Not recommended to use) fast  
  
  
  
>  
  
  
  
Components represent View on the Screen or on the  
  
  
  
Web Page  
  
CO) ce  
  
Cc  
  
React Application is a collection of Components.  
  
  
  
Introduction React  
  
What is React  
  
Purpose of React  
  
Why React  
  
  
  
Created UI Component with React  
  
  
  
Button  
  
  
  
h2  
  
  
  
div  
  
  
  
Mutliple Ul components  
  
ReactDOM  
  
React Elements  
  
  
  
Today was the Last Demo  
  
  
  
Integration of React, ReactDOM and babel Session  
  
  
  
JSX  
  
  
  
|  
  
  
  
added in WhatsApp group  
  
Cards, Container for examples | . |  
  
  
  
Functional Component new Link (mail, createAccount)  
  
What is Functional Component  
  
  
  
Why Functional Component  
  
  
  
How to use functional Component  
  
  
  
ee a  
  
  
  
ccess of recording  
  
  
  
Practice

# Session 7

Last Session  
  
  
  
Functional Component  
  
  
  
How to call functions in the element format  
  
  
  
SS Header Section  
  
  
  
Any Component which we assign to ReactDOM, that Component is considered as a Parent Component  
  
for Entire Application .  
  
  
  
Rendering = calling}  
  
  
  
\  
  
  
  
What is the difference between normal JS function and React Functional Component ?  
  
  
  
calls + converted to React elements + added in the DOM  
  
  
  
1. RFC should always starts its name with uppercase  
  
  
  
NJF they can start names with any case  
  
  
  
2. RFC will always return JSX Code  
  
NJF can return any type of value  
  
  
  
3. RFC contains JSX Code  
  
NJF does not contain any JSX code.  
  
  
  
Note  
  
  
  
using Attribute Concept we can pass arguments to the Components if it is rendered in the  
  
element or Tag Format  
  
  
  
Props  
  
  
  
Props are the Properties of the Component  
  
  
  
Props are used to pass dynamic data or input data to the Components  
  
  
  
Props are used to share the data from Parent Comp to Child Comp  
  
  
  
Note  
  
  
  
Functional Components first Parameter will be always object,  
  
  
  
This object stores props or this object contains set of props as a  
  
properties.  
  
  
  
24hr Maximum  
  
Update the Recording  
  
  
  
Raise the issue

# Session 8

Information  
  
mene ee nenenenne 6 session : 6 to 8hr  
  
  
  
Sat and Sunday  
  
8am to 10am  
  
  
  
June 7th June 16th  
  
  
  
9am to 11am  
  
  
  
Family Tour  
  
  
  
4hr  
  
8 to 9:30am  
  
  
  
Hi there!!  
  
Iam Sneha  
  
m1 ipsum dolor  
  
  
  
dolorem  
  
  
  
as doloremque  
  
ni volupte onsequuntur error ut. ad evenie C aiores ¢ e s illo id! Consequuntur. possimu:  
  
quam rerum eius modi tempore iure eum mole: ratione a dicta!  
  
  
  
sit amet, consectetur adipisicing elit. Aliquam numquam incidunt impedit ratione alias  
  
nam opti  
  
  
  
Grocery Mobiles Fashion Vv Electronics Vv Home & Appliances  
  
Furniture  
  
  
  
wo 7  
  
—— page  
  
vw  
  
“-  
  
  
  
Fetch API  
  
React elements penne een nennne  
  
JSX elements Basic of React  
  
Functional Components |  
  
Props 70%  
  
State  
  
Advance  
  
reactjs  
  
+  
  
‘Javascript  
  
7:50 or 55  
  
8am  
  
Nd  
  
8:03 to 8:05am  
  
  
  
Order Online ini Nightlife and Clubs  
  
  
  
Collections  
  
  
  
Newly Opened Places Regional Flavours The Legends-of Hyderabad Authentic Mandi  
  
10 Places > 25 Places > 24 Places > 9 Places >  
  
  
  
WhatsApp React Group  
  
  
  
Basic React application ----> CRA  
  
  
  
Add code  
  
  
  
Custom React Application

# Session 9

Nav Bar  
  
  
  
100  
  
  
  
100+  
  
  
  
it takes to time to create application  
  
  
  
oo slow  
  
CRA  
  
Vite  
  
  
  
installed  
  
  
  
Pre-configured  
  
  
  
easy and simple to install configure other libraries  
  
Optimised code for Production  
  
  
  
Development Server  
  
  
  
start, stop and loading app or project inside this  
  
dev server  
  
  
  
Manually url -- to access our application in any browser  
  
+  
  
  
  
code  
  
  
  
Create a Basic React Application using Vite  
  
  
  
1. create a folder in any drive and open it in the terminal  
  
  
  
2. Add the following command to create React Application  
  
npm create vite@/atest  
  
  
  
3.Give the Name for the Project  
  
4.Select React Options  
  
  
  
5.Change the Directory to the React Application  
  
cd <reactapp-name>  
  
6.Add the following command  
  
npm install  
  
  
  
7Open the React App in VScode  
  
  
  
code.  
  
8. Open the Terminal and add the following command to run development server  
  
  
  
npm run dev  
  
  
  
9. Open the Browser and the following url to access React Application  
  
  
  
http:/Nocalhost:5173/

# Session 10

In Last Session  
  
  
  
How to create a React Application using Vite ?  
  
  
  
App.jsx  
  
  
  
1. Every Component should have there own file  
  
2. Component name should be same as a file name.  
  
  
  
3. All .jsx, .js or .css files should be created inside src folder only  
  
  
  
React 18 :  
  
React Component ------------ReactDOM------------DOM  
  
  
  
|  
  
| 90% 17 or 16  
  
JSX %  
  
|babel  
  
React Element  
  
|  
  
Ul Component ReactDOM.render()  
  
  
  
Visible on the web page  
  
  
  
Browser  
  
  
  
index.htp  
  
  
  
App Component  
  
  
  
(ParentComp) Header Component  
  
  
  
Header Component wa  
  
  
  
index.html  
  
  
  
Browser  
  
  
  
Counter App  
  
  
  
Count Value is : 0  
  
  
  
pe 4  
  
API's  
  
(pre-defined  
  
functions and  
  
  
  
objects)  
  
  
  
API's  
  
(pre-defined  
  
functions and  
  
objects)  
  
  
  
State in React

# Session 11

DEV -------- DOM API's-------- To Manipulate DOM  
  
  
  
DEV ---------- React-------- DOM API's -------- To Manipulated DOM  
  
/ \_ state is object )  
  
  
  
State in React  
  
  
  
State is a Special Variable in React, Where we can store  
  
any type of Data.  
  
  
  
State Data we can bind with JSX element  
  
  
  
Whenever State gets updated, internally react take care  
  
updating UI with new State Data.  
  
  
  
How to create or get a State variable ?  
  
  
  
using useState(), we can get a state variable  
  
  
  
var [state,setState] =useState()  
  
  
  
variable setter function  
  
  
  
How to Update the State Variable ?  
  
  
  
using setter function i.e. setState() we can update the data of state variable .  
  
  
  
setState(data)  
  
  
  
function useState()

# Session 12

What is State useStatel)  
  
  
  
Vy  
  
[ siakoatsink ]  
  
Sora  
  
  
  
Purpose of State a  
  
  
  
YY  
  
  
  
How to get State Variable  
  
  
  
How to update State Variable  
  
  
  
What happens if the setState() is called. .-~  
  
  
  
Can we update state variable without using setState()  
  
Yes  
  
  
  
Why UI Does not update ?  
  
setState()  
  
  
  
1. It will update the State  
  
  
  
2. Re-render(re-call) the component. ~  
  
  
  
7"  
  
  
  
Explain me about setState() ?  
  
VU”  
  
  
  
Y  
  
Co  
  
setState(State + 1)  
  
  
  
©  
  
setState(State + 1)  
  
  
  
is)  
  
setState(State + 1)  
  
  
  
, , Jaueues)) ~  
  
- setState() is a Asynchronous function  
  
  
  
- function that is passed as a argument to setState() is called updater  
  
function.  
  
  
  
VL  
  
30 minutes 30 minute wa  
  
  
  
3to4: positive 1-2 minutes  
  
  
  
10min - 1 10 to 15  
  
  
  
6

# Session 13

State and setState()  
  
|  
  
  
  
useState()  
  
Hook  
  
  
  
Any function whose name starts with  
  
the word use, all those functions are  
  
called React Hook.  
  
  
  
Rules of React hook  
  
  
  
1. React Hooks we can use only inside the  
  
Functional Component.  
  
  
  
2.React Hooks should be called at top level the  
  
FC  
  
  
  
3.Hooks cannot be called Outside the Component or  
  
inside JSX or inside any Event Handler.  
  
  
  
What is React Hook ? — \_S/\  
  
React Hooks is a simple JS Function with some rules.  
  
  
  
JY YY  
  
  
  
React 16 (Major Changes) ----- >FC,CC  
  
  
  
dynamic UI  
  
  
  
static  
  
  
  
Why React Introduced Hook Concept ?  
  
  
  
Why Hooks came into Picture ?  
  
  
  
App  
  
Counter  
  
Image  
  
Products  
  
  
  
Home  
  
  
  
Home Products Counter Image  
  
  
  
Routing in React  
  
routing is a technique to switch from one component to another component  
  
  
  
routing cannot be implemented using react library  
  
  
  
ReactRouter is a Library which implements routing in React Application  
  
  
  
ws It Provides Pre-defined React Component and  
  
  
  
Hooks using which we can implement routing in  
  
React Application.  
  
  
  
BrowserRouter  
  
Route  
  
  
  
Link  
  
  
  
Outlet  
  
  
  
useNavigate()  
  
useParams()  
  
useSearchParams()  
  
  
  
Navigate  
  
NavLink  
  
Routes  
  
  
  
1. Installation of a Library  
  
unm install react-router-dom  
  
  
  
oo Package Manager  
  
  
  
Laibraries  
  
  
  
Pf ow  
  
  
  
Location , Location  
  
  
  
Download and Install x Library x1 I Location, Sownload  
  
V7 | € install\_-\_—install ~~~  
  
. .  
  
x2 Versioning ,\_~  
  
x3  
  
  
  
React Router ---50  
  
  
  
Package Manager ( NPM ) Node JS x1  
  
x2  
  
  
  
repository  
  
Javascript  
  
  
  
7”  
  
  
  
Food ~  
  
  
  
|  
  
  
  
Mother  
  
Application functionality.  
  
Promise  
  
  
  
------------ Axios  
  
Fetch

# Session 14

React Routing  
  
|  
  
  
  
react-router-dom is a package or library to implement routing in  
  
React Application  
  
  
  
npm install react-router-dom  
  
  
  
Configuration  
  
BrowserRouter is a component created by react-router-dom  
  
1. Wrap Parent Component (App) of the Application inside the BrowserRouter  
  
  
  
Component .  
  
import { BrowserRouter } from “react-router-dom";  
  
  
  
2actDOM. render (  
  
<BrowserRouter>|  
  
  
  
<App />  
  
</BrowserRouter>,  
  
document.getElementById( "root"  
  
)3  
  
  
  
2.Change the Browser url path on click of any link.  
  
add url paths to the href attribute of the anchor tag  
  
  
  
<a href="/">Home </a>  
  
  
  
urlpath <a href="/products">Products </a>  
  
  
  
3. Configure the Route .  
  
Based on the Url Path, render the component.  
  
  
  
<Route { } element={<Home />} />  
  
<Route ("/products"} element={<Products />} />  
  
<Route {"/counter"} element={<Counter />} />  
  
  
  
<Route ={"/imagecomp"} element={<ImageComp} />} />  
  
  
  
4. Wrap All <Route /> Component inside the <Routes> </Routes> Component.  
  
  
  
<Routes>  
  
<Route path={ } element={<Home />} />  
  
<Route path= products"} element={<Products />} />  
  
<Route path= counter"} element={<Counter />} />  
  
<Route path={"/imagecomp"} element={<ImageComp />} />  
  
</Routes>  
  
  
  
"Y  
  
  
  
5. Replace All the anchor Tag with Link Component and replace href attribute with to prop's  
  
  
  
wae  
  
  
  
<Link to="/">Home </Link>  
  
  
  
<Link to="/products">Products </Link>  
  
<Link to counter" >Counter</Link>  
  
<Link to="/imagecomp">ImageComp </Link>  
  
  
  
What is Single Page Application ?  
  
Any Application which loads a single html document in the Browser  
  
  
  
and its content is changed dynamically using any JavaScript API's like  
  
react, angular, vue or plain js.  
  
  
  
gmail, Instagram, Airbnb, Netflix, gitlabs etc etc .  
  
  
  
Nested Routing  
  
---------------------- Products Comp  
  
  
  
Electronics  
  
Jewelery  
  
  
  
Men'sClothing  
  
  
  
Women'sClothing

# Session 15

products (20)  
  
  
  
node/express  
  
springboot - java  
  
Django-python  
  
component asp.net mvc C# mongodb  
  
Laravel - php oracle  
  
  
  
React App es sql server  
  
Fake API's  
  
  
  
1. axios — ¥  
  
  
  
fakestoreapi.com  
  
  
  
2.fetch() ~~ igi  
  
  
  
w url's -- to access api  
  
.“ method type  
  
  
  
get”  
  
  
  
post  
  
  
  
delete  
  
  
  
put  
  
  
  
data base  
  
  
  
data format  
  
  
  
1. Install Axios  
  
npm install axios  
  
  
  
2.Import axios  
  
import axios from "axios"  
  
  
  
3.use Required functions from axios to send the request  
  
re  
  
  
  
component -------- axios ----------- Server----- Database  
  
  
  
a“  
  
  
  
res  
  
  
  
NY . .  
  
promise object  
  
mm  
  
  
  
then catch  
  
  
  
async await  
  
  
  
Our Next Session will be on 17-06-2024  
  
  
  
6 Session  
  
3 session (sat 2hr, sun 1hr)  
  
3 session ()  
  
  
  
Revis in react, flex in css, grid in css , JS Topics

# Session 16

Axios  
  
  
  
Get Request  
  
  
  
Installation  
  
import  
  
get function from axios to send a request to a backend app  
  
  
  
(fakestoreapi.com)  
  
  
  
a  
  
  
  
urls  
  
  
  
“———~20 Products  
  
c's \_—— response  
  
  
  
—  
  
  
  
All Products  
  
  
  
whenever certain Ul need to be created based on the data  
  
  
  
then go for map function.  
  
  
  
=| list  
  
  
  
UserNames Comp

# Session 17

products (20)  
  
  
  
node/express  
  
springboot - java  
  
Django-python  
  
component asp.net mvc C# mongodb  
  
Laravel - php oracle  
  
  
  
React App es sql server  
  
Fake API's  
  
  
  
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get”  
  
  
  
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2.Import axios  
  
import axios from "axios"  
  
  
  
3.use Required functions from axios to send the request  
  
re  
  
  
  
component -------- axios ----------- Server----- Database  
  
  
  
a“  
  
  
  
res  
  
  
  
NY . .  
  
promise object  
  
mm  
  
  
  
then catch  
  
  
  
async await  
  
  
  
Our Next Session will be on 17-06-2024  
  
  
  
6 Session  
  
3 session (sat 2hr, sun 1hr)  
  
3 session ()  
  
  
  
Revis in react, flex in css, grid in css , JS Topics

# Session 18

wa  
  
  
  
1. Relationship between the components.  
  
1. Parent Child ~~ Function A(){  
  
  
  
Parent  
  
  
  
2.Sibling return <div> Child  
  
  
  
App  
  
/ NN APP Direct Child  
  
Am  
  
|  
  
Nav Home At ~ Indirect Child  
  
A12  
  
sibling  
  
  
  
App Parent Child  
  
J N\, For App, Card Comp is Indirect Child  
  
Nav qs} wreak \  
  
/ \\o™ Card  
  
  
  
Card  
  
  
  
For Card, App is Indirect Parent  
  
  
  
Card Card  
  
  
  
1. Sharing the Data between the Components  
  
Parent - Child \_~  
  
~~ AllProducts  
  
  
  
Child - Parent |  
  
Card  
  
Sibling1 ----sibling2 4 props  
  
|  
  
“NL”  
  
  
  
How to share the data from Parent To Child ?  
  
Using Props Concept.

# Session 19

How to share the data from Parent Com to Child comp using props  
  
  
  
Props Drilling  
  
  
  
1.things will become complex as  
  
more components are nested  
  
  
  
2.If any comp fails to receive the  
  
data then destination component  
  
will never receive the data  
  
  
  
3.If intermediate component does  
  
  
  
A not require the data, then we  
  
| should make data available to  
  
; them.  
  
Cc  
  
Context API  
  
  
  
Space (Context)  
  
1. How to create Context  
  
  
  
2.How to store the data in the Context  
  
  
  
3.How to access the data from the Context  
  
  
  
Context Concept is suitable for sharing the data from Parent Comp to Child at any level .  
  
  
  
Context api is a simple technique to share data from parent comp to child comp.  
  
  
  
1  
  
0  
  
createContext()  
  
|  
  
  
  
a reference of the  
  
  
  
E? context  
  
context  
  
1. Create the context.  
  
import { createContext } from "react"; myfirstContext  
  
  
  
Provider  
  
  
  
Component ----- value  
  
|  
  
  
  
We can store the data  
  
inside the context  
  
  
  
let myfirstContext = createContext();  
  
  
  
export default myfirstContext;  
  
  
  
<myfirstContext.Provider>  
  
  
  
</myfirstContext.Provider>  
  
  
  
2. Render Provider Component inside the Parent Component and  
  
Pass the data to the Provider Component as a value props.  
  
  
  
import myfirstContext from "./context";  
  
  
  
<myfirstContext.Provider value=  
  
  
  
</myfirstContext.Provider>  
  
  
  
3.Make Context available to all the Child Component of Parent Component by wrapping  
  
Direct Child inside the Provider Component.  
  
  
  
<myfirstContext.Provider value=  
  
<B />|  
  
</myfirstContext.Provider>  
  
  
  
4. Access the data from the context using useContext() hook.  
  
  
  
import { useContext } from "react";  
  
  
  
import myfirstContext from "./context";  
  
  
  
let contextdata = useContext(myfirstContext) ;

# Session 20

context  
  
  
  
Home  
  
<context.Provider>  
  
  
  
K  
  
  
  
data  
  
state  
  
  
  
<Provider value={data}>  
  
  
  
/  
  
props  
  
and  
  
context api is not recommended

# Session 21

Child---- Parent Component  
  
  
  
| Parent ---- Child 1 level or max 2  
  
props | level then go for  
  
context Sibling component's props  
  
api or at 2 level or more  
  
context api then it  
  
  
  
|  
  
  
  
context api  
  
Context API  
  
  
  
How to create Context  
  
How to Store the data in the Context  
  
  
  
How to access the data from the context.  
  
  
  
YoICOC J  
  
  
  
State null a  
  
  
  
Variable undefined Z\* First we update State  
  
  
  
State 100 ~/ then  
  
  
  
Variable undefined We Update normal variable  
  
  
  
State 100 —/  
  
  
  
Variable 500 wa  
  
’  
  
  
  
set Sf First we updated normal variable  
  
State null . then  
  
  
  
Variable 500 ~~ We updated State  
  
  
  
State 100.  
  
  
  
Variable undefined  
  
—  
  
  
  
BS  
  
  
  
whenever components get re-rendered, normal variable will loose its current value.  
  
  
  
State value will not be lost on re-rendering of component.  
  
  
  
Whenever you don't want to show any data on the screen such data should not be stored  
  
in the State.  
  
  
  
variable to store the data for some logic purpose  
  
  
  
re-rendered : application will have performance issue.  
  
  
  
1. | want a variable where | can store the data which | don't want to show on the screen.  
  
2.Data of that variable should not be loosed on re-rendering of the component  
  
  
  
3.If | update the variable value then My Component should not re-render.  
  
  
  
data  
  
|  
  
  
  
Don't want to show on the screen  
  
  
  
Timer App : 0  
  
  
  
4 vod —  
  
  
  
What is setInterval() in JavaScript ?  
  
  
  
5 minutes

# Session 22

Timer Task  
  
  
  
Timer : 0  
  
  
  
normal variable “4 state  
  
  
  
|  
  
re-render the component we should not store the  
  
  
  
. data which we are not  
  
value will be loosed showing on the screen  
  
it will trigger re-rendering  
  
which we don't require.  
  
  
  
where to store the id value, so that we should not loose the id value on re-  
  
rendering component and whenever we update id value then component  
  
should not get re-render  
  
  
  
wv,  
  
  
  
special reference ———> “en SY  
  
|  
  
  
  
data {current : <data> }  
  
  
  
useRef()  
  
useRef() is a hook in React  
  
  
  
Whenever we call useRef() hook, it returns one object and that object contains  
  
only one Property i.e.  
  
  
  
{ current : <data> }  
  
  
  
A  
  
  
  
let myObj = useRef()  
  
  
  
If we want we can update the value of current Property any number of time,  
  
  
  
Updation of current property value will not trigger re-rendering  
  
  
  
What is useRef() when to store the data  
  
  
  
in the current Property  
  
How to store the data in the current Property value.  
  
  
  
as a value  
  
How to update current Property value  
  
  
  
Component gets re-rendered or not on  
  
updating value of current Property.

# Session 23

useRef()  
  
  
  
|  
  
is to the store data DOM Manipulation (JavaScript )  
  
  
  
1. import useRef() hook  
  
2.Call the useRef() hook in the Component and assign null as a default value  
  
  
  
3.Add ref attribute to the JSX element and assign reference created by  
  
useRef() hook as a value to it.  
  
  
  
h2Ref}>DOM Manipulation using useRef() hook</h2>  
  
  
  
var h2DomElement=document.getElementByld("title")  
  
  
  
h2DOMElement.style.color = "red"  
  
  
  
useState()  
  
useRef()  
  
useContext()  
  
  
  
useEffect() What ig sideEffect ? hook  
  
  
  
useReducer() Z  
  
  
  
Event handler useEffect  
  
  
  
Component  
  
  
  
useReducer() Hook  
  
  
  
. . state : store + manage the data  
  
It is a one of the hook in React  
  
  
  
It is used to handle complex data of the Component  
  
  
  
It has same purpose of useState  
  
ee state : store, manage the data  
  
  
  
How to store and manage the data using useReducer() hook  
  
  
  
1. import useReducer() hook  
  
  
  
2.Call the useReducer() hook  
  
  
  
state, dispatch  
  
ee Array oo  
  
  
  
let [ state, dispatch ]=useReducer()  
  
  
  
3. useReducer() hooks takes two argument and they are  
  
  
  
1. function (reducer)  
  
  
  
2.Initial Data  
  
  
  
let [state,dispatch] = useReducer(reducerFn, initialData)  
  
  
  
Ve  
  
  
  
state ---- reducer function----- dispatch  
  
“7  
  
  
  
Reducer is a user Defined function, which is used to update the state.  
  
Reducer function takes one Parameter and that Parameter is object type  
  
Reducer function stores a special object in its Parameter and i.e. action object  
  
  
  
Reducer function whatever it returns that data will updated in the state.  
  
  
  
Inside the Reducer function we have to implement logic to update the state .  
  
  
  
dispatch is a Pre-defined function  
  
dispatch is used to call reducer function  
  
dispatch will re-render the component  
  
  
  
dispatch can take one argument and that is argument action object.  
  
  
  
action object is a special object in react  
  
  
  
action object should have one mandatory Property and i.e type and whose value  
  
should be some unique string across the application.  
  
  
  
{  
  
type : "<unique string>"  
  
data:""  
  
  
  
}  
  
  
  
Apart from type Property, we can add any number of properties inside the action  
  
object.  
  
  
  
Redux  
  
state |  
  
dispatch 40%  
  
  
  
reducer  
  
action object

# Session 24

useRef()  
  
  
  
|  
  
is to the store data DOM Manipulation (JavaScript )  
  
  
  
1. import useRef() hook  
  
2.Call the useRef() hook in the Component and assign null as a default value  
  
  
  
3.Add ref attribute to the JSX element and assign reference created by  
  
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h2DOMElement.style.color = "red"  
  
  
  
useState()  
  
useRef()  
  
  
  
useContext() lo  
  
useEffect() What ig sideEffect ? hook  
  
  
  
useReducer() Z  
  
  
  
Event handler useEffect  
  
  
  
Component  
  
  
  
useReducer() Hook  
  
Pe  
  
. . state : store + manage the data  
  
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It is used to handle complex data of the Component  
  
  
  
It has same purpose of useState  
  
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How to store and manage the data using useReducer() hook  
  
  
  
1. import useReducer() hook —  
  
  
  
2.Call the useReducer() hook SY U-  
  
  
  
state, dispatch  
  
ee Array “ee  
  
  
  
let [ state, dispatch ]=useReducer()  
  
  
  
3. useReducer() hooks takes two argument and they are  
  
  
  
1. function (reducer) “~  
  
  
  
2.Initial Data ~~  
  
  
  
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Ve  
  
  
  
state ---- reducer function----- dispatch  
  
“7  
  
  
  
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Reducer function stores a special object in its Parameter and i.e. action object  
  
  
  
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dispatch is a Pre-defined function  
  
dispatch is used to call reducer function  
  
dispatch will re-render the component  
  
  
  
dispatch can take one argument and that is argument action object.  
  
  
  
action object is a special object in react  
  
  
  
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should be some unique string across the application.  
  
  
  
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type : "<unique string>"  
  
  
  
data:""  
  
  
  
}  
  
  
  
Apart from type Property, we can add any number of properties inside the action  
  
object.  
  
  
  
Redux  
  
state |  
  
dispatch 40%  
  
reducer  
  
  
  
action object  
  
  
  
Counter App with useReducer() Hook  
  
  
  
Count Value :  
  
  
  
inc clear  
  
  
  
Natl  
  
  
  
state = 0  
  
  
  
state = "hello"

# Session 25

useReducer() 1 : Understood  
  
  
  
dispatch 0 : did not understand  
  
  
  
action object  
  
state  
  
reducer function  
  
  
  
What is useReducer() ?  
  
It is one of the Hook in React  
  
  
  
a is Hook in React ?  
  
  
  
It is one of the pre-defined function in  
  
react with pre-defined purpose  
  
  
  
any function which starts with word  
  
use, all those functions are called  
  
  
  
2---> reducer fn , initial data  
  
a hooks  
  
useReducer(:  
  
|  
  
  
  
hey user-defined fn  
  
|  
  
  
  
2 elements: state, dispatch() state,action  
  
  
  
updated in the state watever it returns  
  
  
  
state in React : useState() a  
  
  
  
useReducer()  
  
  
  
How to share the data btw the component's using  
  
  
  
| 1. props  
  
2. context api  
  
compl¢x  
  
Parent ---------- Child  
  
Child --------- Parent  
  
  
  
Siblings‘ -----Siblings2  
  
  
  
App  
  
  
  
props  
  
  
  
a\ —— context api  
  
B 2  
  
  
  
A PTS  
  
  
  
Redux Concept  
  
is a Library  
  
n= Vv  
  
  
  
Redux Store  
  
  
  
State Management  
  
or  
  
Data Management  
  
  
  
How to manage State in React  
  
Application ?  
  
  
  
props  
  
context api  
  
redux  
  
  
  
1. Create a Redux Store  
  
2.Make Redux Store available to each and every component of React Application  
  
3.Any Component can store the data in the Redux Store  
  
  
  
4.Any Component can access the data from Redux Store.  
  
  
  
NavComponent  
  
  
  
HomePage ao  
  
  
  
om  
  
  
  
usecase  
  
1. Enhance the Performance of the Application  
  
  
  
How to implement Redux in React Application ?  
  
  
  
1. Install Redux Library  
  
  
  
npm install redux.  
  
  
  
2.Create a Redux Store .  
  
import  
  
use that function  
  
  
  
3.Make Redux Store Available to each and every component of the  
  
Application  
  
  
  
react-redux is another Library which is used  
  
to integrate React with Redux  
  
  
  
npm install react-redux  
  
  
  
Concept of Redux  
  
Why do we required Redux  
  
Installed redux, react-redux Library

# Session 26

Redux is a JavaScript Library and Pattern  
  
  
  
Purpose of Redux  
  
  
  
To manage the state (data) of the application.  
  
  
  
Using redux we can share the data between the component's irrespective  
  
of the relationship.  
  
  
  
App  
  
Name  
  
vikfdnkld aa J Yo  
  
Details Nav Name Details  
  
vjkfdnkld NL  
  
  
  
sibling  
  
  
  
How to store the data in the redux ae  
  
  
  
Name ———  
  
Redux Store  
  
Details —=<—\_——>  
  
  
  
how to access data from the redux Y  
  
  
  
1. create the components  
  
  
  
2. Create a Redux Store.  
  
  
  
1. install redux  
  
  
  
2. import legacy\_createStore()  
  
  
  
3. call the above function  
  
  
  
import { legacy\_createStore as createStore } from "redux";  
  
  
  
let myReduxstore = createStore();  
  
  
  
export default myReduxstore;  
  
  
  
| |  
  
[|  
  
  
  
Components  
  
  
  
Redux Store  
  
  
  
3.Make Redux Store available to all the Component's of the application.  
  
  
  
1. install react-redux  
  
2.import Provider Component react-redux Library  
  
3.Render App Comp inside the Provider Component  
  
  
  
4.Pass store props to the Provider component and assign redux  
  
store as a value to it.  
  
  
  
import { Provider } from  
  
import myReduxStore from  
  
  
  
<Provider store= myReduxStore >  
  
<App />  
  
</Provider>  
  
  
  
4.Store the Data from Component into the Redux Store  
  
  
  
reducer  
  
  
  
component  
  
  
  
<\_action>  
  
7 Redux Store  
  
dispatch —  
  
  
  
4  
  
  
  
Redux Pattern  
  
  
  
1. create a reducer function.  
  
  
  
2.register reducer function with redux store  
  
  
  
import myReducer from "../reducers/myReducer";  
  
  
  
let myReduxStore = createStore(myReducer) ;  
  
  
  
-  
  
  
  
reducer  
  
  
  
redux store  
  
  
  
component  
  
  
  
Note: Whenever we start react application, internally redux will call  
  
reducer() function, at whatever data reducer will return it will store  
  
  
  
by default inside redux store as a initial data.

# Session 27

useReducer() 1 : Understood  
  
  
  
dispatch 0 : did not understand  
  
  
  
action object  
  
state  
  
reducer function  
  
  
  
What is useReducer() ?  
  
It is one of the Hook in React  
  
  
  
a is Hook in React ?  
  
  
  
It is one of the pre-defined function in  
  
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updated in the state watever it returns  
  
  
  
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How to share the data btw the component's using  
  
  
  
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Child --------- Parent  
  
  
  
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Why do we required Redux  
  
Installed redux, react-redux Library

# Session 28

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Using redux we can share the data between the component's irrespective  
  
of the relationship.  
  
  
  
App  
  
Name  
  
vikfdnkld aa J Yo  
  
Details Nav Name Details  
  
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sibling  
  
  
  
How to store the data in the redux ae  
  
  
  
Name ———  
  
Redux Store  
  
Details —=<—\_——>  
  
  
  
how to access data from the redux Y  
  
  
  
1. create the components  
  
  
  
2. Create a Redux Store.  
  
  
  
1. install redux  
  
  
  
2. import legacy\_createStore()  
  
  
  
3. call the above function  
  
  
  
import { legacy\_createStore as createStore } from "redux";  
  
  
  
let myReduxstore = createStore();  
  
  
  
export default myReduxstore;  
  
  
  
| |  
  
[|  
  
  
  
Components  
  
  
  
Redux Store  
  
  
  
3.Make Redux Store available to all the Component's of the application.  
  
  
  
1. install react-redux  
  
2.import Provider Component react-redux Library  
  
3.Render App Comp inside the Provider Component  
  
  
  
4.Pass store props to the Provider component and assign redux  
  
store as a value to it.  
  
  
  
import { Provider } from "  
  
import myReduxStore f  
  
  
  
<Provider store= myReduxStore >  
  
<App />  
  
</Provider>  
  
  
  
4.Store the Data from Component into the Redux Store  
  
  
  
reducer  
  
  
  
component  
  
  
  
<\_action>  
  
7 Redux Store  
  
dispatch —  
  
  
  
4  
  
  
  
Redux Pattern  
  
  
  
1. create a reducer function.  
  
  
  
2.register reducer function with redux store  
  
  
  
import myReducer from "../reducers/myReducer";  
  
  
  
let myReduxStore = createStore(myReducer) ;  
  
  
  
-  
  
  
  
reducer  
  
redux store  
  
  
  
component  
  
  
  
Note: Whenever we start react application, internally redux will call  
  
reducer() function, at whatever data reducer will return it will store  
  
  
  
by default inside redux store as a initial data.  
  
  
  
3. Create a action object and store the component data in the action  
  
object as a second property.  
  
  
  
eo CrC)  
  
action  
  
redux  
  
  
  
reducer  
  
comp store  
  
  
  
4. Call the dispatch() from the Component and pass action object as a  
  
first argument to it  
  
  
  
| | =  
  
dispatch  
  
  
  
component  
  
  
  
5.Configure a middleware called redux-logger with redux store  
  
  
  
1. install redux logger  
  
2.import logger  
  
3.configure with the store  
  
  
  
5.Access Data From the Redux Store in the React Component  
  
  
  
let storedata= useSelector((store)=>{ return store})

# Session 29

How to access data from the redux Store ? react  
  
useSelector() ---------------- react-redux  
  
redux  
  
  
  
react-redux  
  
  
  
Mn, actionCreator \@7  
  
|  
  
  
  
actionCreator is a simple JS function  
  
which returns action object.  
  
  
  
o>  
  
  
  
dispatch  
  
  
  
reducer  
  
  
  
:  
  
bg  
  
  
  
name :"  
  
  
  
var obj1 = { name:"Raj",city:"Pune" }  
  
  
  
var obj2 = {  
  
...Obj1  
  
  
  
}  
  
  
  
We can create only one redux store for a application.  
  
  
  
Whenver we refresh or reload application, redux data will be removed or it will be  
  
lost.

# Session 30

How to access data from the redux Store ? react  
  
useSelector() ---------------- react-redux  
  
redux  
  
  
  
react-redux  
  
  
  
Mn, actionCreator \@7  
  
|  
  
  
  
actionCreator is a simple JS function  
  
which returns action object.  
  
  
  
o>  
  
  
  
dispatch  
  
  
  
reducer  
  
  
  
:  
  
bg  
  
  
  
name :"  
  
  
  
var obj1 = { name:"Raj",city:"Pune" }  
  
  
  
var obj2 = {  
  
...Obj1  
  
  
  
}  
  
  
  
We can create only one redux store for a application.  
  
  
  
Whenver we refresh or reload application, redux data will be removed or it will be  
  
lost.

# Session 31

Redux Concept  
  
  
  
OULI  
  
  
  
OOm  
  
  
  
Component  
  
  
  
Fakestore API  
  
  
  
React App  
  
or  
  
Front end App  
  
  
  
Redux Store  
  
  
  
1. problem  
  
  
  
Backend API  
  
2.Store the data in redux  
  
and fetch from it  
  
  
  
3.How to implement  
  
  
  
{  
  
  
  
name :  
  
city:""  
  
  
  
} products: [ ]  
  
  
  
Products (data) \e \_ActionCreator Redux Store a\  
  
  
  
2 actionObj  
  
  
  
= dispatch reducer  
  
actionObj —  
  
  
  
5 actionObj

# Session 32

action  
  
actionCreator @,  
  
  
  
asior  
  
Caispatch > reducer  
  
  
  
action  
  
  
  
path parameter

# Session 33

JSON Serve (Dummy Server) a  
  
add  
  
access  
  
modify  
  
delete  
  
  
  
CRUD Operation  
  
  
  
IZ  
  
  
  
jsonserver  
  
  
  
1. install jsonserver package  
  
npm i jsonserver  
  
  
  
2.create db.json file under the application root folder  
  
  
  
3.add the required data http://localhost:3000/data  
  
  
  
ee  
  
4. start the json server  
  
  
  
5. access the data using following url  
  
  
  
http://ocalhost:3000/result  
  
LoS  
  
  
  
React Requirement  
  
  
  
res  
  
  
  
Post Request --- data

# Session 34

axios  
  
  
  
|  
  
post("url" data,{})  
  
  
  
Promise --- handle the promise  
  
  
  
>  
  
  
  
getUsers  
  
  
  
UserHome  
  
J oN  
  
  
  
Users NewUser  
  
  
  
delete request  
  
  
  
axios  
  
  
  
|  
  
delete("/id")

# Session 35

UserHome  
  
  
  
/\\  
  
  
  
Users NewUser  
  
7 Vv  
  
  
  
AST  
  
  
  
New User  
  
  
  
me Home  
  
  
  
NewUser USer +  
  
  
  
| QW  
  
User NewUser VY “So  
  
  
  
Controlled and Uncontrolled Components  
  
  
  
Forms ee  
  
  
  
Form is handled without state like  
  
  
  
. ; dom api, external library, useRef  
  
Form is handled using state concept then it is called uncontrolled  
  
  
  
Component  
  
  
  
then it is called Controlled Component  
  
  
  
Bootstrap is cancelled : Any Task  
  
\—\ F  
  
  
  
Y  
  
  
  
Pending  
  
|  
  
  
  
—  
  
  
  
1 week  
  
  
  
React Topics

# Session 36

Bootstrap React JS  
  
  
  
pewnenennnnnnee Bootstrap  
  
, |  
  
What is Bootstrap ? ey Library  
  
Bootstrap is a called as a Library of CSS JS | ss  
  
or Cc  
  
Bootstrap as a frontend toolkit |  
  
setofpre- \_set of pre-defined  
  
defined css classes and  
  
Pre-defined styles provided by bootstrap functions some attributes  
  
application development will be fast Pre-defined  
  
styles  
  
till some extent responsiveness will be take care  
  
by bootstrap  
  
Bootstrap  
  
  
  
w provides pre-defined  
  
L\_” functionality  
  
link We  
  
Bootstrap  
  
rv ay  
  
Class - btn, btn-primary, btn-outline-primary Classes  
  
bootstrap 5 Removed  
  
Added  
  
styles  
  
  
  
Grid System in Boostrap  
  
  
  
Grid in one of the css layout  
  
  
  
Grid we can create layouts (rows and column for a web page)  
  
  
  
Grid Container  
  
  
  
Grid Columns- row  
  
Grid - rows  
  
  
  
container  
  
container-fluid  
  
  
  
row  
  
col  
  
  
  
“div element  
  
semantic element  
  
\_  
  
  
  
background color Margin Padding Text Color  
  
bg-primary eee enema  
  
bg-secondary m-1 to & p-1to5 text-primary  
  
bg-dark mt-1 to 5 text-white  
  
bg-light mb-1 to 5 text-dark  
  
bg-success ms-1 to 5 text-danger  
  
bg-warning me -1to 5 ;  
  
bg-info my-1 to 5 (top , bottom)  
  
  
  
mx-auto  
  
  
  
m-auto

# Session 37

Bootstrap  
  
  
  
Bootstrap is a Library of CSS or toolkit of css  
  
  
  
Pre-defined styles in the form css class +Pre-defined functionality in the form of  
  
  
  
JS  
  
ee  
  
js  
  
  
  
Background  
  
Text  
  
Padding What is CDN ?  
  
Margin  
  
Grid system  
  
  
  
container  
  
  
  
col === 12. are recommended  
  
  
  
HEADER  
  
  
  
CONTENTS  
  
  
  
FOOTER  
  
  
  
Width and height  
  
  
  
w-0 h-0  
  
w-25 h-25  
  
w-75 h-75  
  
  
  
w-100 h-100  
  
  
  
grid-template-column (Width)  
  
  
  
\*  
  
v  
  
  
  
Plain CSS  
  
Vo  
  
  
  
grid-template-row (Height)  
  
  
  
<  
  
  
  
GitHub Project

# Session 38

Unordered List  
  
list-group  
  
  
  
List Items  
  
list-group-item  
  
  
  
Integration of Bootstrap with React ?  
  
  
  
1. install bootstrap using following command  
  
  
  
2.go to App.jsx or Main.jsx and import bootstrap.css file  
  
  
  
import "bootstrap/dist/css/bootstrap.css";  
  
  
  
"user\_url": "https://api.github.com/users/{user}",  
  
  
  
Home Page For Your Application  
  
  
  
Home Profile Users Products Cart  
  
  
  
o~  
  
Gu  
  
  
  
Grocery Mobiles Fasion Electronics Home and Furniture Appliances Travel Beauty and Toys  
  
  
  
GitHub Search Project Tuesday Css Flex  
  
|  
  
  
  
Home Page Next Session on Tuesday. Css Grid  
  
  
  
BC Grid  
  
  
  
Ss)  
  
  
  
Two Wheelers

# Session 39

Wide Screen Monitors  
  
From %7,699  
  
  
  
24 Inch and Above  
  
r 0 || Rm  
  
  
  
Women's Fashion  
  
  
  
4 1  
  
Lorem ipsum dolor sit‘amet, consectetur  
  
  
  
adipisicing elit. Sequi,  
  
  
  
Modern-Fashion  
  
  
  
Lorem ipsum-dolor sitamet, consectetur  
  
adipisicing elit. Sequi,  
  
  
  
Macbook Pro  
  
  
  
Product Details  
  
  
  
Github  
  
=| Home NN  
  
. \ GitHubDetails  
  
GithubSearch  
  
GitHub 7\  
  
data Profile  
  
  
  
req 2  
  
  
  
CCG tH Server  
  
  
  
3 res  
  
  
  
Search

# Session 40

Carousel  
  
  
  
carousel  
  
  
  
carousel-inner  
  
carousel-item  
  
  
  
active  
  
carousel-control-prev  
  
carousel-control-next  
  
carousel-control-prev-icon  
  
carousel-control-next-icon  
  
carousel-caption  
  
  
  
slide  
  
  
  
carousel-fade  
  
  
  
data-bs-target  
  
data-bs-interval  
  
data-bs-slide  
  
  
  
Carousel  
  
  
  
arousel-inner  
  
  
  
arousel-item

# Session 41

Carousel  
  
  
  
modal-content  
  
  
  
modal-header 3  
  
  
  
modal body  
  
modal-dialog  
  
  
  
modal footer 2  
  
  
  
Table  
  
  
  
table  
  
  
  
table-striped  
  
  
  
table-hover  
  
  
  
table-bordered  
  
  
  
table-primary  
  
  
  
table-secondary  
  
  
  
tabke-active Pagination  
  
Pagination  
  
page-item  
  
page-link  
  
  
  
active  
  
  
  
pagination-lg,sm,md,xl  
  
  
  
navbar  
  
  
  
Tomorrow we have the session at same time

# Session 42

model  
  
pagination  
  
Navbar  
  
  
  
H P.  
  
ome Page Backend Application  
  
  
  
Login Page P (Nodeys+ExpressJS)  
  
  
  
Signup Page MongoDB Database  
  
()  
  
  
  
Home Page  
  
  
  
Sign In Routing in the Application  
  
  
  
username  
  
password Redux in the Application  
  
  
  
button  
  
  
  
Integtate Bootstrap  
  
  
  
SignUp Page  
  
  
  
Name  
  
Password  
  
Email  
  
  
  
phn  
  
gender  
  
city  
  
  
  
image  
  
  
  
Movies Revising  
  
  
  
|  
  
Songs  
  
|1st  
  
Lyrics  
  
  
  
multiple times (lyrics)  
  
  
  
React  
  
oO Live Session  
  
useEffect() ™  
  
redux :  
  
Component ----------------------------- --------------------------------02---0---=---| Redux Store  
  
SO wie  
  
~~ F .  
  
. It is user defined  
  
actionCreator : function  
  
Component it is a function which return  
  
—\ action object Reducer  
  
action  
  
action  
  
  
  
data % oN  
  
- action Object 2 ‘] Redux  
  
  
  
”) Store  
  
  
  
dispatch()  
  
It is a pre-defined  
  
function  
  
  
  
Pure Functions in Javascript  
  
Functions which return same output for same input  
  
  
  
React Functional Components are pure function External code  
  
  
  
|  
  
1. Event Handler wae axios.get()  
  
  
  
|  
  
2.useEffect() nook sideEffect  
  
  
  
|  
  
\ Impure Functions  
  
  
  
~/ It is implemented to handle sideEffects in  
  
React Component

# Session 43

Receive ey  
  
  
  
Process  
  
  
  
&  
  
Response  
  
Component ; 4q  
  
Promise GitHub Server  
  
Home  
  
Search ss 1.Relationship  
  
C siblings  
  
=) Profile res  
  
  
  
2.Services  
  
  
  
petals  
  
a  
  
  
  
-  
  
  
  
ia  
  
b  
  
  
  
setState()  
  
  
  
state  
  
Ul  
  
  
  
dispatch  
  
Ul

# Session 44

Login Page  
  
  
  
Signup Page  
  
Home Page  
  
  
  
Implement Routing  
  
  
  
Home Component  
  
  
  
Talking: Kabir Sagar  
  
  
  
We have created 3 Pages and 4 Component's  
  
Nav  
  
Home  
  
Login  
  
Signup  
  
  
  
We have implemented Routing with this Component's  
  
  
  
Implement Redux  
  
  
  
Login Page  
  
How to access the data from the Login Page.  
  
Validation.  
  
  
  
Revise the Redux Concept and come to the session  
  
  
  
This Saturday we have the session at same time

# Session 45

Home  
  
  
  
Sign-in  
  
  
  
sign-up  
  
  
  
Routing  
  
  
  
isLoggedIn : false 1.redux  
  
  
  
2.react-redux  
  
  
  
}  
  
  
  
App Component  
  
3.redux-logger

# Session 46

Home  
  
  
  
Sign-in  
  
  
  
sign-up  
  
  
  
Routing  
  
  
  
isLoggedIn : false 1.redux  
  
  
  
2.react-redux  
  
  
  
}  
  
  
  
App Component  
  
3.redux-logger

# Session 47

How to change url path dynamically ?  
  
  
  
useNavigate() is hook of react-router-dom package  
  
using this hook we can change url path  
  
whenever useNavigate() hook is called, it returns a function  
  
  
  
using that function we can navigate to any path that we want  
  
  
  
const = useNavigate ;  
  
  
  
Note : We can change url path using useNavigate() hook or Navigate Component .  
  
  
  
|  
  
Backend Developer  
  
  
  
Backend App  
  
  
  
Products Component ----------- Products Service ----- Axios ---------------- Backend App  
  
  
  
Ss O\_O ST  
  
  
  
N/  
  
  
  
Promise

# Session 48

How to change url path dynamically ?  
  
  
  
useNavigate() is hook of react-router-dom package  
  
using this hook we can change url path  
  
whenever useNavigate() hook is called, it returns a function  
  
  
  
using that function we can navigate to any path that we want  
  
  
  
const = useNavigate ;  
  
  
  
Note : We can change url path using useNavigate() hook or Navigate Component .  
  
  
  
|  
  
Backend Developer  
  
  
  
Backend App  
  
  
  
Products Component ----------- Products Service ----- Axios ---------------- Backend App  
  
  
  
Ss O\_O ST  
  
  
  
N/  
  
  
  
Promise

# Session 49

How to change url path dynamically ?  
  
  
  
useNavigate() is hook of react-router-dom package  
  
using this hook we can change url path  
  
whenever useNavigate() hook is called, it returns a function  
  
  
  
using that function we can navigate to any path that we want  
  
  
  
const = useNavigate ;  
  
  
  
Note : We can change url path using useNavigate() hook or Navigate Component .  
  
  
  
|  
  
Backend Developer  
  
  
  
Backend App  
  
  
  
Products Component ----------- Products Service ----- Axios ---------------- Backend App  
  
  
  
Ss O\_O ST  
  
  
  
N/  
  
  
  
Promise

# Session 50

How to change url path dynamically ?  
  
  
  
useNavigate() is hook of react-router-dom package  
  
using this hook we can change url path  
  
whenever useNavigate() hook is called, it returns a function  
  
  
  
using that function we can navigate to any path that we want  
  
  
  
const = useNavigate ;  
  
  
  
Note : We can change url path using useNavigate() hook or Navigate Component .  
  
  
  
|  
  
Backend Developer  
  
  
  
Backend App  
  
  
  
Products Component ----------- Products Service ----- Axios ---------------- Backend App  
  
  
  
Ss O\_O ST  
  
  
  
N/  
  
  
  
Promise

# Session 51

2) EP S40  
  
  
  
on

# Session 52

2) EP S40  
  
  
  
on

# Session 53

2) EP S40  
  
  
  
on

# Session 54

counter  
  
  
  
“~N [{}. 00]  
  
  
  
Cart  
  
  
  
cart data  
  
  
  
YA  
  
=] count oN  
  
  
  
cart  
  
add to cart {.... + count:0}  
  
  
  
a  
  
[ datal,data2,data3 ]  
  
ra  
  
  
  
how to remove specific element from array  
  
newdata how to add new element at specific position  
  
splice(index,count)  
  
  
  
splice(index, 1 ,newobject)  
  
  
  
Tom we don't have session  
  
  
  
|  
  
Friday ~  
  
  
  
Saturday wa

# Session 55

counter  
  
  
  
“~N [{}. 00]  
  
  
  
Cart  
  
  
  
cart data  
  
  
  
YA  
  
=] count oN  
  
  
  
cart  
  
add to cart {.... + count:0}  
  
  
  
a  
  
[ datal,data2,data3 ]  
  
ra  
  
  
  
how to remove specific element from array  
  
newdata how to add new element at specific position  
  
splice(index,count)  
  
  
  
splice(index, 1 ,newobject)  
  
  
  
Tom we don't have session  
  
  
  
|  
  
Friday ~  
  
  
  
Saturday wa

# Session 56

1. Get the data from UI Component  
  
  
  
2.Validate the data  
  
3.Send the Data to Server  
  
  
  
format  
  
method type  
  
response  
  
  
  
4.Navigate User To Login Page  
  
  
  
5.Alert Message to the User  
  
  
  
1. get the data from the UI Component  
  
2.Validation (Regex of JS)  
  
  
  
pattern  
  
  
  
3.send the data to Server  
  
  
  
' (JWT)token  
  
ur redux  
  
method type context  
  
format data localstroage  
  
  
  
4.Based on response You have to decide weather user  
  
Should Navigate to the Home Page or Show the Error  
  
Message.  
  
  
  
Update the code on git Aaa wa  
  
  
  
Any Coneep  
  
  
  
Send URL  
  
  
  
Issue your facing on whatsapp geekofgeeks  
  
freecodecamp  
  
  
  
Interview medium.com a 7  
  
chatgpt.com 7%  
  
  
  
Professional PDFs  
  
  
  
26th Angular 18 Explore  
  
8am to 9am  
  
  
  
TypeScript. \_\_/ [™  
  
NY  
  
  
  
Workshop  
  
  
  
Resume  
  
  
  
React js  
  
  
  
Redux  
  
  
  
Axios  
  
  
  
React Redux  
  
  
  
React Router(react-router-dom)