Full Stack Dev With JS - Quiz1 Cheat Sheet

by sally sung via cheatography.com/216190/cs/47627/

Week3 React_Introduction_Vite_Terminal

1. create	npm create vite@latest my-app -- --template react
2. move directory	cd my-app
3. install	npm install
4. run	npm run dev
5. install bootstrap	npm i bootstrap
6. import bootstrap	main.jsx > import 'bootstrap/dist/css/bootstrap.css';
7-1. adding routing	npm i react-router-dom
7-2. import routing	main.jsx > import {BrowserRouter as Router} from "-react-router-dom"

Week4 React_Components_State_EventHandling

```
import Book from "./book";
const BooksList = ({book s=[], onDele te= f=>f})
=> {
        if( boo ks.l en gth ===0) return <h2 >Cu -
rrently there are no books< /h2>
        return ( <se cti on>
                <h6 >Sh owing {books.le ngth}
books< /h6>
                <table classN ame ="ta ble ">
                        <th ead>
                                <tr>
                                        <th >Id -
</t h>
                                        <th >Ti -
tle </t h>
                                        <th >Ca -
teg ory </t h>
                                        <th >Au -
tho r</ th>
                                        <th >Number
in Stock< /th>
                                        <th >Pr -
ice </t h>
                                        <th >Ye -
ar< /th>
                                        <th >Li -
ked </t h>
```

Week4 React_Components_State_EventHandling (cont)

```
>                 <th>Action(s)</th>
                </tr>
        </thead>
        <tbody>
          {books.map(book=><Book
          key={book._id}
          book = {book}
          onDelete = {onDelete}
          />)}
        </tbody>
      </table>
      </section> );
}

export default BooksList;
```

Week5 Rendering Images

Rendering Images - assets (1)	const images = import.meta.glob("../assets/images/*.{jpg,png,svg}", {eager: true});
Rendering Images - assets (2)	const imageList = Object.values(images).map((img) => img.default);
Rendering Images - public	

Week5 React_Hooks_StateInTrees_Forms_Code

```
//sfc
import { useState } from " rea ct";
const AddColor = ({onAd d=f =>f}) => {
        const [title ,se tTitle] = useSta -
te( " ");
        const [color ,se tColor] = useSta te( " -
#00 000 0")
```


Sponsored by **Readable.com**
Measure your website readability!
https://readable.com

Week5 React_Hooks_StateInTrees_Forms_Code (cont)

```
>    const submitColor=(event)=>{
       event.preventDefault();
       onAdd(title,color);
       setTitle("");
       setColor("#000000")
     }
     return (<>
     <h4>You can add a new color here.</h4>
     <form onSubmit={submitColor}>
       <input type="text"
       value = {title}
       required
       placeholder="color title"
       onChange={(event)=>setTitle(event.target.value)}
       />
       <input type="color"
       value={color}
       onChange={(event)=>setColor(event.target.value)}
       required/>
       <button>Add Color</button>
     </form>
     </> );
}

export default AddColor;
```

Week6 React Routers - Define Router

```
// main.jsx
import {Brows erR outer as Router} from " rea -
ct- rou ter -do m"
create Roo t(d ocu men t.g etE lem ent ByI d(' -
roo t') ).r ender(
    <St ric tMo de>
      <Ro ute r>
```

Week6 React Routers - Define Router (cont)

```
>    <App />
  </Router>
 </StrictMode>,
)
```

Week6 React Routers - 404

```
import {useLocation} from "react-router-dom"
const Whoops404 = () => {
        const location = useLoc ati on();
        return ( <di v>
                <h1 >Page not Found at {locat -
ion.pa thn ame }</ h1>
        </d iv> );
}

export default Whoops404;
```

Week5 React_Hooks_StateInTrees_Forms_Code

```
function App() {
    const [colors, setColors] = useSta te( col -
orData)
    //f unction to remove a color
    const delete Color = (id)=>{
        const update dColors = colors.fi lte r(c -
olo r=> col or.i d! ==id);
        set Col ors (up dat edC olors);
   }
    //f unction to change rating
    const rateColor= (nRati ng, id) =>{
        const update dColors = colors.ma p(c olo -
r=>(
            col or.i d= ==i d?{...c ol or, rat -
ing :nR ati ng} :color ));
            set Col ors (up dat edC olors)
   }
    //f unction to add new Color
    const addColor = (title ,co lor )=>{
```


Sponsored by **Readable.com**
Measure your website readability!
https://readable.com

Week5 React_Hooks_StateInTrees_Forms_Code (cont)

```
>    const newColors = [...colors,
     {id:v4(),
      title,color, rating:0, img:"yellow.jpg"
     }
   ]
   setColors(newColors);
 }
 return (
    <div>
      <Header title="This is my Color List."/>
      <AddColor onAdd = {addColor}/>
      <ColorList
      colors={colors}
      onDelete = {deleteColor}
      onRate = {rateColor}
      />
      <Footer/>
    </div>
 )
}
export default App
```

Week6 React Routers - Adding Routing

```
import { Routes, Route, Navigate, useNavigate }
from "react-router-dom";
function App() {
        return (
                <di v>
                        <NavBar />
                        <Ro ute s>
                                <Route path="/ "
elemen t={ <Home />} />
                                <Route path="/ -
abo ut" elemen t={ <About />}>
```

Week6 React Routers - Adding Routing (cont)

```
>                {/ nested routes /}
                <Route path="history" element={<History />} />
                <Route path="services" element={<Services />} />
                <Route path="locations" element={<Locations />} />
            </Route>
            {/ Muliple route/path parameters -- REQUIRED/}
            {/ <Route path="/events/:month/:year" element={<Event-
Details/>}/> /}
            <Route path="/events" element={<Events />} />
            {/ Muliple route/path parameters --OPTIONAL /}
            <Route path="/events/:month?/:year?" element={<Event-
Details />} />
            <Route path="/products" element={<Products />} />
            {/Route/Path Paramters/}
            <Route path="/products/:id" element={<ProductDetails />}
/>
            {/ for paths which do not match the paths given above /}
            <Route path="*" element={<Whoops404 />} />
            {/ Redirecting /}
            <Route path="/services" element={<Navigate to="/ab-
out/services" />} />
        </Routes>
      </div>
   );
}
export default App;
```

Week6 React Routers - Placeholder Components

```
import { Outlet, Link, useParams, useLocation}
from "react-router-dom";
import queryS tring from " que ry- str ing ";
export const Home = () => {
    return (
        <di v>
            <h1 >Sh opping App</h 1>
        </d iv>
```


Sponsored by **Readable.com**
Measure your website readability!
https://readable.com

Week6 React Routers - Placeholder Components (cont)

```
>   );
};
export const About = () => {
  return (
    <div>
      <h1>About</h1>
      <Outlet/>
    </div>
  );
};
export const EventDetails = ()=>{
  const {month,year} = useParams();
  const location = useLocation();
  const obj = queryString.parse(location.search)
  return <div>
    <h6>Event Details: Month {month} and Year {year}</h6>
  </div>
}
export const Products = () => {
  return (
    <div>
      <h1>Products</h1>
      <ul style={{fontSize:"2em", listStyleType:"none"}}>
        <li><Link to="1">Product 1</Link></li>
        <li><Link to="2">Product 2</Link></li>
        <li><Link to="3">Product 3</Link></li>
      </ul>
    </div>
  );
};
```

Week6 React Routers - Placeholder Components (cont)

```
> export const ProductDetails = () => {
  const products = [
    { id: 1, name: "Laptop", desc: "About Laptops..." },
    { id: 2, name: "Notepad", desc: "About Notepads..." },
    { id: 3, name: "Smart Phone", desc: "About Smart Phones..." },
  ];
  let { id } = useParams();
  id = parseInt(id);
  const product = products.find((prod) => prod.id == id);
  return (
    <>
      <h2>Product Details</h2>
      <p>Name: {product.name}</p>
      <p>Description: {product.desc}</p>
    </>
  );
};
```

By **sally sung**
cheatography.com/sally-sung/

Published 28th January, 2026.
Last updated 25th February, 2026.

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com