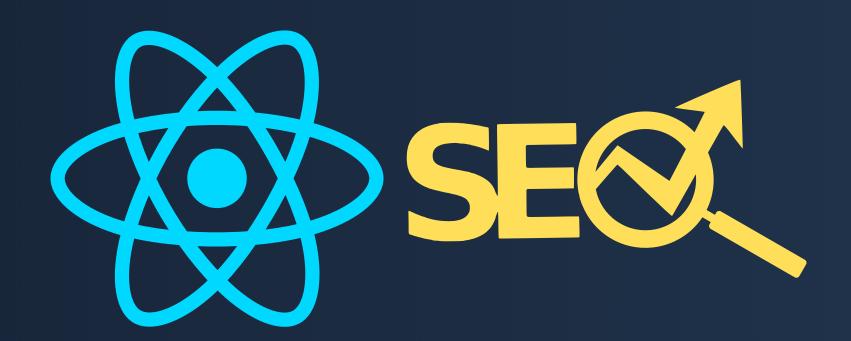


METADATA ON REACT JS



Code + Demo



CodeSandbox







What is Metadata?

Metadata or Meta tags can be used to refer to the title and description of a web page

Title = SEO Title
Description = SEO Description

they are important elements of search engine optimization efforts (SEO).

And this is how Google know how to rank a web page in the search results!











BUT! When it comes to React

Search Engines may or may not run your JavaScript











No Worries . . . There is always a way

Let's Do It Together S W I P E











Initialize a React App first

Output

export default App;

Hello LinkedIners

Use yarn or npm to create the React App









Install React Bootstrap And Import Bootstrap CSS file

Output

export default App

Bootstrap is working!

Button









Create Menu & Add Menu to App.js



components/Menu.js:



```
App.js
```

```
import "./bootstrap.min.css";
                                                               import Menu from "./components/Menu";
import React from "react";
import { Nav, Navbar, Container } from "react-bootstrap";
                                                               const App = () => {
const Menu = () => {
                                                                 return (
 return (
                                                                   <><Menu /></>
    <header>
                                                                 );
     <Navbar bg="light" expand="lg">
                                                                };
       <Container>
         <Navbar.Brand href="/">MK</Navbar.Brand>
                                                                export default App;
          <Navbar.Toggle aria-controls="basic-navbar-nav" />
         <Navbar.Collapse id="basic-navbar-nav">
            <Nav className="me-auto">
             <Nav.Link to="/" className="nav-link">Home</Nav.Link>
             <Nav.Link to="/services" className="nav-link">Services</Nav.Link>
             <Nav.Link to="/about" className="nav-link">About</Nav.Link>
             <Nav.Link to="/default" className="nav-link">Default</Nav.Link>
            </Nav>
         </Navbar.Collapse>
                                                                                       Output
       </Container>
      </Navbar>
    </header>
                                    MK
                                           Home Services About Default
};
export default Menu;
```









Install React Router DOM & Add Routes



```
import "./bootstrap.min.css";
import { BrowserRouter as Router, Routes, Route } from "react-router-dom";
import Menu from "./components/Menu";
import { Container } from "react-bootstrap";
import Home from "./pages/Home.js";
import About from "./pages/About.js";
import Services from "./pages/Services.js";
import Default from "./pages/Default";
const App = () => {
                                      Menu should be inside <Router>!
 return (
   <>
     <Router>
       <Menu />
       <main className="my-3">
                                                              Create & Import Pages
         <Container>
           <Routes>
            <Route path="/" index element={<Home />} />
            <Route path="/about" element={<About />} />
                                                                       pages
            <Route path="/services" element={<Services />} />
            <Route path="/default" element={<Default />} />
                                                                    About.js
          </Routes>
         </Container>
                                                                    🔅 Default.js
       </main>
     </Router>
                                                                    Home.js
 );

    ⊗ Services.js

};
export default App;
```









Update Menu File



components/Menu.js:

```
import React from "react";
                                                          <LinkContainer>
import { Nav, Navbar, Container } from "react-bootstrap";
import { LinkContainer } from "react-router-bootstrap";
                                                     to make it behave like
import { Link } from "react-router-dom";
const Menu = () => {
                                                      a React Router (Link)
 return (
   <header>
     <Navbar bg="light" expand="lg">
       <Container>
        <LinkContainer to="/">
          <Navbar.Brand>MK</Navbar.Brand>
                                                                       Use (Link)
         </LinkContainer>
                                                            instead of <Nav.Link>
         <Navbar.Toggle aria-controls="basic-navbar-nav" />
        <Navbar.Collapse id="basic-navbar-nav">
          <Nav className="me-auto">
            <Link to="/" className="nav-link">Home</Link>
            <Link to="/services" className="nav-link">Services</Link>
            <Link to="/about" className="nav-link">About</Link>
            <Link to="/default" className="nav-link">Default</Link>
          </Nav>
         </Navbar.Collapse>
       </Container>
     </Navbar>
   </header>
 );
};
export default Menu;
```









Our simple app now is READY! Time to add meta tags, but how?





React Helmet

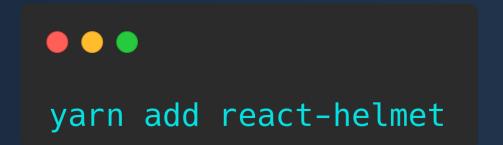
is a reusable component which helps manage all of your changes to the document head

Installing:

NPM



Yarn









Create Head Component

components/Head.js:

Props to be used

on pages

```
import React from "react";
import { Helmet } from "react-helmet";
const Head = ({ title, description, keywords }) => {
 return (
   <Helmet>
     <title>{title}</title>
     <meta name="description" content={description} />
     <meta name="keywords" content={keywords} />
   </Helmet>
                                            If there is no props
 );
};
                                      default props will be used
Head.defaultProps = {
 title: "Default Title",
 description: "I'm Med Reda Kamal, this is a default description",
 keywords: "medredakamal",
};
export default Head;
```









Import Head on your pages Using Home page as an example

pages/Home.js :

```
import React from "react";
import Head from "../components/Head";
const Home = () => {
  return (
    <>
     <Head title="Home" description="Home sweat Home" keywords="homepage" />
     <h1>My name is Med Reda Kamal</h1>
     This is the home page
   </>
 );
};
export default Home;
<title>Home</title>
<meta name="description" content="Home sweat Home" data-react-helmet="true">
<meta name="keywords" content="homepage" data-react-helmet="true">
```









Feel free to improve this app more

Check Code & Demo Links:



Available on Github



Available on CodeSandbox



