Page Components

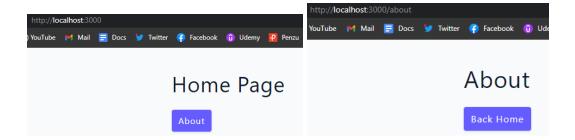


```
O http://localhost:3000/about
O) YouTube M Mail ■ Docs У Twitter ♠ Facebook ⑥ Udemy ■
About
```

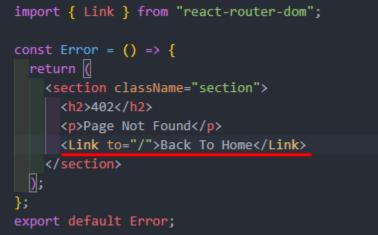
Link Component

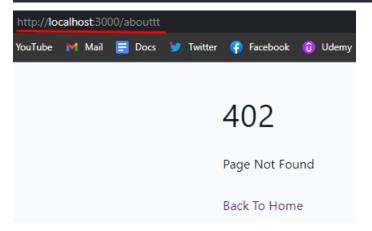
```
JS Home.js
                                                                              JS About.js X
           JS Home.js
                           JS About.js
                                                 pages > JS About.js > ...
pages > JS Home.js > ...
  import { Link } from "react-router-dom";
                                                   const About = () => {
  const Home = () => {
                                                     return (
    return (
                                                        <section className="section">
      <section className="section">
                                                         <h2>About</h2>
        <h2>Home Page</h2>
                                                         <Link to="/" className="btn">
        <Link to="/about" className="btn">
                                                            Back Home
          About
                                                         </Link>
        </Link>
                                                        </section>
      </section>
                                                   };
                                                   export default About;
  export default Home;
```

Link component is used to connect the path between the pages.



```
Error Page:
 import { BrowserRouter, Routes, Route } from "react-router-dom";
 import Home from "./pages/Home";
 import About from "./pages/About";
 import Products from "./pages/Products";
 import Error from "./pages/Error";
 function App() {
   return (
     <BrowserRouter>
       <Routes>
         <Route path="/" element={<Home />} />
         <Route path="about" element={<About />} />
         <Route path="products" element={<Products />} />
         <Route path="*" element={<Error />} />
       </Routes>
     </BrowserRouter>
 export default App;
  import { Link } from "react-router-dom";
  const Error = () => {
    return (
      <section className="section">
       <h2>402</h2>
       Page Not Found
```





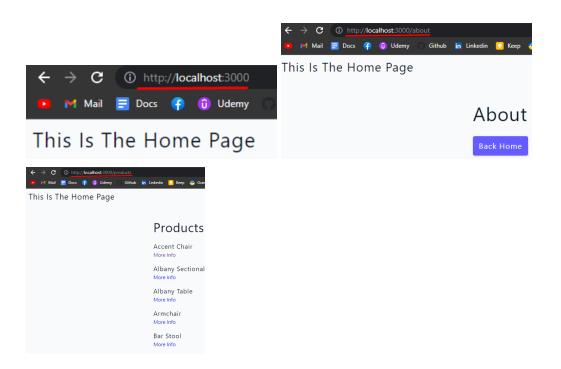
Navbar:

```
function App() {
  return (
    <BrowserRouter>
      <nav>our navbar</nav>
      <Routes>
        <Route path='/' element={<Home />} />
                                                             our navbar
        <Route path='about' element={<About />} />
        <Route path='products' element={<Products />} />
                                                               404
        <Route path='*' element={<Error />} />
      </Routes>
      <footer>our footer</footer>
                                                               page not found
    </BrowserRouter>
                                                               back home
  );
                                                             our footer
export default App;
```

Nested Routes:

But to go to the actual pages, we need to do another thing.

But we need to use the outlet into the nested's parent's component.

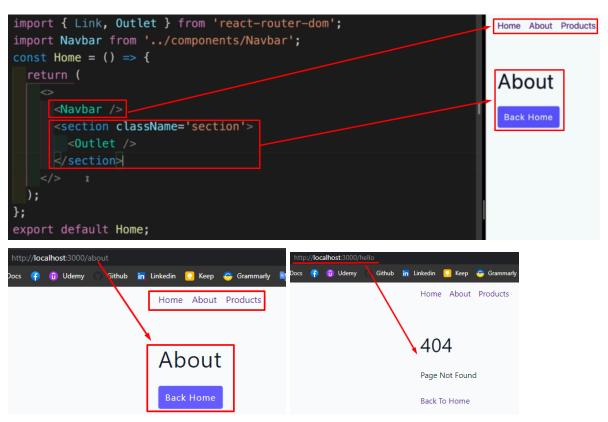


Shared Layout:

```
import { Link, Outlet } from 'react-router-dom';
const Home = () => {
 return (
   <section className='section'>
     <h2>Home Page</h2>
     <Outlet />
   </section>
export default Home;
→ C @ localhost:3000/about
                       Home Page
                        Home Page
About
                        Products
 Back Home
```

- Here, Home component er moddhe <Outlet /> use kora hoyeche. Tate jeta hobe, Ei Home component every jaigai shared hoye jabe/every page e use hobe/every page e ei text show korbe.

- Ekhane ekta jinish mathai rakhte hobe, shei shob jaigai e shared layout hobe jegulo nested route e ache.

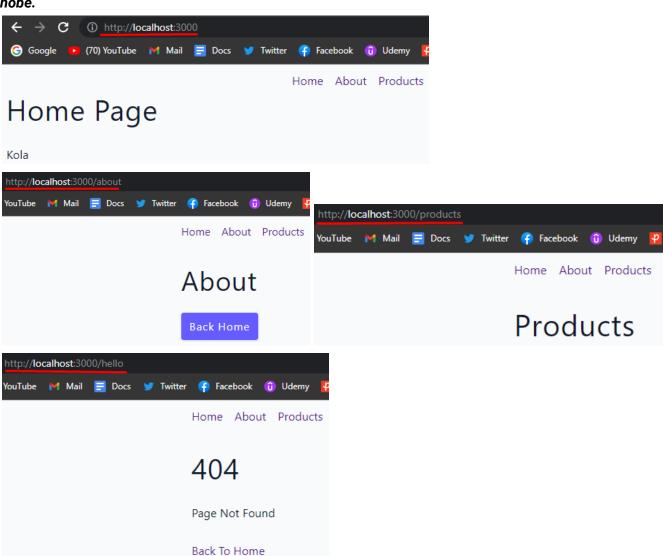


Index Pages:

```
import { BrowserRouter, Routes, Route } from "react-router-dom";
import Home from "./pages/Home";
import About from "./pages/About";
import Products from "./pages/Products";
import Error from "./pages/Error";
import SharedLayout from "./pages/SharedLayout";
import SingleProduct from "./pages/SingleProduct";
const App = () => {
 return (
    <BrowserRouter>
      <Routes>
        <Route path="/" element={<SharedLayout />}>
         <Route index element={<Home />} />
          <Route path="about" element={<About />} />
          <Route path="products" element={<Products />} />
          <Route path="*" element={<Error />} />
        </Route>
      </Routes>
    </BrowserRouter>
export default App;
```

```
mponents > JS Navbar.js > ...
                                                  ges > JS SharedLayout.js > ...
                                                   import { Link, Outlet } from "react-router-dom";
import { Link } from "react-router-dom";
                                                   import StyledNavbar from "../components/StyledNavbar";
                                                   import Navbar from "../components/Navbar";
const Navbar = () => {
                                                   const SharedLayout = () => {
    <nav className="navbar">
      <Link to="/">Home</Link>
                                                      0
       <Link to="/about">About</Link>
       <Link to="/products">Products</Link>
                                                        <Navbar />
                                                        <Outlet />
                                                   export default SharedLayout;
export default Navbar;
```

- -> Ekhane SharedLayout every page e share hoye geche.
- -> R ekhane <Home/> component er sathe index use kora hoyeche. *Ermane holo eta route page hishebe use hobe.*



NavLink:

The NavLink is used when you want to highlight a link as active. So, on every routing to a page, the link is highlighted according to the activeClassName. Link is for links that need no highlighting. And a is for external links.

```
export const Navbar = () => {
 const navLinkStyles = ({ isActive }) => {
   return {
                                                         const Navbar = () => {
     fontWeight: isActive ? 'bold' : 'normal',
                                                           const navLinkStyles = ({ isActive }) => {
      textDecoration: isActive ? 'none' : 'underline',
    }
                                                               color: isActive ? "red" : "grey",
                                                           return (
      <NavLink style={navLinkStyles} to='/'>
                                                             <nav className="navbar">
        Home
                                                               <NavLink to="/" style={navLinkStyles}>
      </NavLink>
                                                                Home
      <NavLink style={navLinkStyles} to='/about'>
                                                               </NavLink>
                                                               <NavLink to="/about">About</NavLink>
      </NavLink>
                                                               <NavLink to="/products">Products</NavLink>
```

Ekhane amra style korte chaile sheti destructure kore evabeo korte pari abar nicher style eo korte pari. Dutoi same.



```
mponents > JS StyledNavbar.js > ...
import { NavLink } from "react-router-dom";
const Navbar = () => {
    <nav className="navbar">
      <NavLink
        className={({ isActive }) => (isActive ? "link active" : "link")}
        Home
       </NavLink>
       <NavLink
        to="/about"
        className={({ isActive }) => (isActive ? "link active" : "link")}
        About
      </NavLink>
      <NavLink
        to="/products"
        className={({ isActive }) => (isActive ? "link active" : "link")}
                                                                                   color: var(--grey-500)
        Products
       </NavLink>
                                                                                   color: □<mark>red</mark>;
export default Navbar;
```

Or,

Products

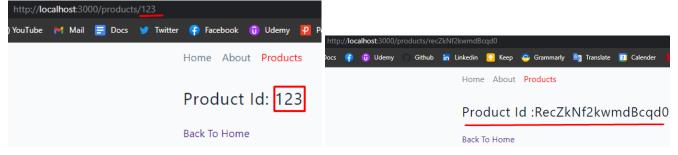
.link {

```
color: var(--grey-500);
▼<nav class="navbar"> flex
   <a aria-current="page" class="link active" href="/">Home</a> == $0
                                                                        .active {
   <a class="link" href="/about">About</a>
                                                                          color: □red;
   <a class="link" href="/products">Products</a>
 </nav>
```

URL Params/useParams():

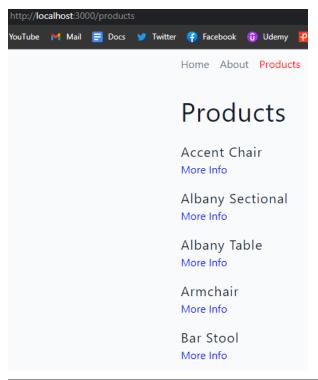
```
import { BrowserRouter, Routes, Route } from "react-router-dom";
import Home from "./pages/Home";
import About from "./pages/About";
import Products from "./pages/Products";
import Error from "./pages/Error";
import SharedLayout from "./pages/SharedLayout";
import SingleProduct from "./pages/SingleProduct";
const App = () \Rightarrow {
  return (
    <BrowserRouter>
      <Routes>
        <Route path="/" element={<SharedLayout />}>
          <Route index element={<Home />} />
          <Route path="about" element={<About />} />
          <Route path="products" element={<Products />} />
          <Route path="products/:productId" element={<SingleProduct />} />
          <Route path="*" element={<Error />} />
        </Route>
      </Routes>
    </BrowserRouter>
export default App;
```

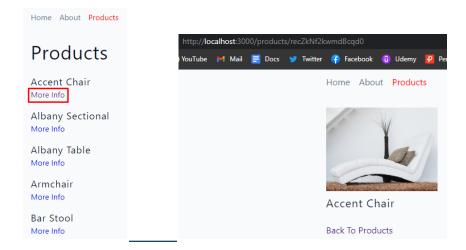
luseParams will play here



All Products:

```
iges > JS Products.js > ...
 import { Link } from "react-router-dom";
 import products from "../data";
 const Products = () => {
   return (
     <>
        <section className="section">
          <h2>products</h2>
          <div className="products">
            {products.map((product) => {
              return (
                 <article key={product.id}>
                   <h5>{product.name}</h5>
                   <Link to={\realizer\products/\${product.id}\realizer\product.id\realizer\realizer\}>More Info</Link>
                 </article>
            })}
          </div>
        </section>
     </>>
 };
 export default Products;
```





useNavigate():

Code -1

```
iges > JS Login.js > [@] Login > [@] handleSubmit
import { useState } from "react";
const Login = ({ setUser }) => {
  const [name, setName] = useState("");
  const navigate = useNavigate();
    if (!name || !email) return;
    setUser({ name: name, email: email });
    navigate("/dashboard");
    <section className="section">
      <form className="form" onSubmit={handleSubmit}>
         <h5>login</h5>
         <div className="form-row">
           <label htmlFor="name" className="form-label">
             name
           </label>
             type="text"
             className="form-input"
             id="name"
             value={name}
             onChange={(e) => setName(e.target.value)}
         <div className="form-row">
             email
             type="email"
             className="form-input"
             id="email"
```

```
App.js > [@] App
import { BrowserRouter, Routes, Route } from "react-router-dom";
import React, { useState } from "react";
import Home from "./pages/Home";
import About from "./pages/About";
import Products from "./pages/Products";
import Login from "./pages/Login";
import Dashboard from "./pages/Dashboard";
import Error from "./pages/Error";
import SharedLayout from "./pages/SharedLayout";
import SingleProduct from "./pages/SingleProduct";
const App = () \Rightarrow {}
  const [user, setUser] = useState(null);
  return (
    <BrowserRouter>
      <Routes>
        <Route path="/" element={<SharedLayout />}>
          <Route index element={<Home />} />
          <Route path="about" element={<About />} />
          <Route path="products" element={<Products />} />
         <Route path="products/:productId" element={<SingleProduct />} />
         <Route path="login" element={<Login setUser={setUser} />} />
         <Route path="dashboard" element={<Dashboard user={user} />} />
        <Route path="*" element={<Error />} />
        </Route>
      </Routes>
    </BrowserRouter>
};
export default App;
```

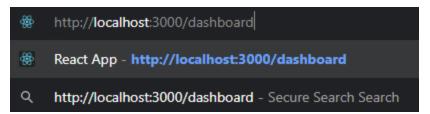
```
Js OrderSummary.js U 🗙
                                 us Navbar.js
mponents > Js OrderSummary.js > ...
 export const OrderSummary = () => {
   return <div>Order confirmed!</div>
 function App() {
  return (
      <Navbar />
      <Routes>
        <Route path='/' element={<Home />} />
                                                                          C (1) localhost:3000/order-summary
        <Route path='order-summary' element={<OrderSummary />} />
                                                                       Home About
                                                                   Order confirmed!
nponents 🗦 🕠 Home.js 🗦 ...
import { useNavigate } from 'react-router-dom'
export const Home = () => {
  const navigate = useNavigate()
      <div>Home Page</div>
      <button onClick={() => navigate('order-summary')}>Place order</button>
                                                         ① localhost:3000/order-summary
     → G
             ① localhost:3000
     Home About
                                                          About
                                               Home
Home Page
                                        Order confirmed!
 Place order
                                click->
nponents 🗦 ٫ S OrderSummary.js 🗦 ...
import { useNavigate } from 'react-router-dom'
export const OrderSummary = () => {
  const navigate = useNavigate()
  return (
      <div>Order confirmed!</div>
      <button onClick={() => navigate(-1)}>Go back</button>
```



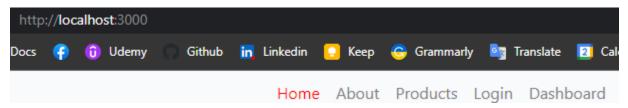
Protected Route:

```
const App = () \Rightarrow {
  const [user, setUser] = useState(null);
  return (
    <BrowserRouter>
      <Routes>
        <Route path="/" element={<SharedLayout />}>
          <Route index element={<Home />} />
          <Route path="about" element={<About />} />
          <Route path="products" element={<Products />} />
          <Route path="products/:productId" element={<SingleProduct />} />
          <Route path="login" element={<Login setUser={setUser} />} />
          <Route
            path="dashboard"
            element={
              <ProtectedRoute user={user}}>
                <Dashboard user={user} />
              </ProtectedRoute>
          <Route path="*" element={<Error />} />
        </Route>
      </Routes>
    </BrowserRouter>
```

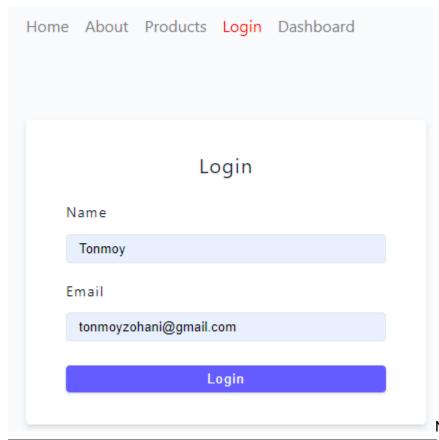
_if there is no user, go to the root page



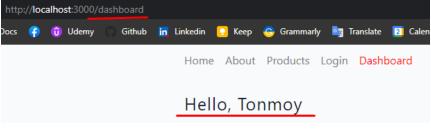
Hit Enter but



Root page



Now give the username in login page



Now it will go to the dashboard