

🚩 Current Skill Private Routes

Protected Routes

Often times when building a web app, you'll need to protect certain routes in your application from users who don't have the proper authentication. Protected routes let us choose which routes users can visit based on whether they are logged in. For example, you might have public routes that you want anyone accessing, like a landing page, a pricing page, and the login page. Protected routes should only be available to users that are logged in, like a dashboard or settings page.

Though React Router doesn't provide any functionality for this out of the box, because it was built with composability in mind, adding it is fairly straightforward.

Protected Routes React Router



The PrivateRoute component

Here we define a generic component named PrivateRoute that will check if the user is authenticated to access to private route or it will redirect the user to the login page.

The component PrivateRoute will take two props, the first prop is the children (or we can say which component we are going to protect), the other prop is isAuth which identifies if the user is authenticated or not

```
import { Navigate } from "react-router-dom"
```

```
const PrivateRoute = ({ children, isAuth }) => {
```

```

    return (
      isAuth === true ? children : <Navigate to='/login' replace />
    )
  }
}

export default PrivateRoute

```

The PrivateRoute component

Now let's create the rest of our application. In this example we are going to implement them in the same file (but you have to implement each component in a separate file)

```

import { Link, Route, Routes } from "react-router-dom";

import PrivateRoute from "../Components/PrivateRoute";

const Home = () => <h1>Home (Public)</h1>;

const Pricing = () => <h1>Pricing (Public)</h1>;

const Dashboard = () => <h1>Dashboard (Private)</h1>;

const Settings = () => <h1>Settings (Private)</h1>;

const Login = () => <h1>TODO</h1>

```



```

function Nav() {
  return (
    <nav>

      <Link to="/">Home</Link>

      {` `}

      <Link to="/pricing">Pricing</Link>

    </nav>
  );
}

```



```

export default function App() {

```

```
return (
```

```
<div>
```

```
<Nav />
```

```
<Routes>
```

```
<Route path="/" element={<Home />} />
```

```
<Route path="/pricing" element={<Pricing />} />
```

```
<Route path="/dashboard" element={
```

```
<PrivateRoute >
```

```
<Dashboard />
```

```
</PrivateRoute>
```

```
} />
```

```
<Route path="/settings" element={
```

```
<PrivateRoute isAuth={false}>
```

```
< Settings />
```

```
</PrivateRoute>
```

```
} />
```

```
<Route path="/login" element={<Login />} />
```

```
</Routes>
```

```
</div>
```

```
);
```

```
}
```

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