

React and React Native Basics Kampus Merdeka

Login with React & Redux

Login biasanya merupakan halaman pertama yang harus kita buat di hampir semua aplikasi. Dalam resume ini sekaligus review tentang react-redux di pembahasan sebelumnya, saya akan membuat form login yang interaktif dan intuitif dengan React & Redux.

Berikut beberapa fitur dari form login yang akan kita implementasi:

- Form memiliki field nama, email, dan password
- Ketika pengguna mengklik submit, itu akan menampilkan halaman login.
- Halaman login menampilkan Welcome pengguna.
- Halaman login memiliki button logout.

Library yang dibutuhkan

- create-react-app
- reduxjs/toolkit
- react-redux

Langkah-langkah

1. Provide store index.js

```
Self Paced Learning > login > src > index.js > ...
1  import React from "react";
2  import { createRoot } from "react-dom/client";
3  import { Provider } from "react-redux";
4  import store from "../app/store";
5  import App from "../App";
6  import "../index.css";
7
8  const container = document.getElementById("root");
9  const root = createRoot(container);
10
11 root.render(
12   <React.StrictMode>
13     <Provider store={store}>
14       <App />
15     </Provider>
16   </React.StrictMode>
17 );
18
```

2. Tambahkan auth features dengan nama file userSlice

```
Self Paced Learning > login > src > features > userSlice.js > selectUser
1  import { createSlice } from "@reduxjs/toolkit";
2
3  export const userSlice = createSlice({
4    name: "user",
5    initialState: {
6      user: null,
7    },
8    reducers: {
9      login: (state, action) => {
10        state.user = action.payload;
11      },
12      logout: (state) => {
13        state.user = null;
14      },
15    },
16  });
17
18  export const { login, logout } = userSlice.actions;
19
20  export const selectUser = (state) => state.user.user;
21
22  export default userSlice.reducer;
23
```

3. Tambahkan component Javascript dan CSS Login dan Logout

- Login

```
Self Paced Learning > login > src > components > Login.js > Login > handleSubmit
1  import React from "react";
2  import { useDispatch } from "react-redux";
3  import { useState } from "react";
4  import "./Login.css";
5  import { login } from "../features/userSlice";
6
7  const Login = () => {
8    const [name, setName] = useState("");
9    const [email, setEmail] = useState("");
10    const [password, setPassword] = useState("");
11
12    const dispatch = useDispatch();
13
14    const handleSubmit = (e) => {
15      e.preventDefault();
16
17      dispatch(
18        login({
19          name: name,
20          email: email,
21          password: password,
22          loggedIn: true,
23        })
24      );
25    };
26
```

```

Self Paced Learning > login > src > components > Login.js > Login > handleSubmit
27
28 <div className="login">
29   <form className="login__form" onSubmit={(e) => handleSubmit(e)}>
30     <h1>Login</h1>
31     <input
32       type="name"
33       placeholder="Name"
34       value={name}
35       onChange={(e) => setName(e.target.value)}
36     />
37     <input
38       type="email"
39       placeholder="Email"
40       value={email}
41       onChange={(e) => setEmail(e.target.value)}
42     />
43     <input
44       type="password"
45       placeholder="Password"
46       value={password}
47       onChange={(e) => setPassword(e.target.value)}
48     />
49     <button type="submit" className="submit__btn">
50       Submit
51     </button>
52   </form>
53 </div>

```

```

Self Paced Learning > login > src > components > Login.css > .login__form > input
1
2 .login {
3   display: flex;
4   flex-direction: column;
5   justify-content: center;
6   height: 100vh;
7   align-items: center;
8   font-family: "Inter";
9 }
10
11 .login__form {
12   display: flex;
13   flex-direction: column;
14 }
15
16 .login__form > h1 {
17   font-size: 35px;
18   margin-bottom: 15px;
19   padding-bottom: 10px;
20   letter-spacing: -1px;
21 }
22
23 .login__form > input {
24   min-width: 380px;
25   padding: 20px 0;
26   padding-left: 15px;
27   margin-bottom: 10px;
28   outline: none;
29   border: 1px solid rgba(0, 0, 0, 0.24);
30   font-family: "Inter";
31   border-radius: 2px;
32   font-size: 15px;
33 }
34
35 .submit__btn {
36   padding: 17px 30px;
37   margin-top: 10px;
38   background-color: black;
39   border: none;
40   color: white;
41   font-size: 14px;
42   font-family: "Inter";
43   border-radius: 3px;
44 }

```

- Logout

```
Self Paced Learning > login > src > components > Logout.js > Logout
1 import React from "react";
2 import { useDispatch, useSelector } from "react-redux";
3 import { logout, selectUser } from "../features/userSlice";
4 import "./Logout.css";
5
6 function Logout() {
7   const user = useSelector(selectUser);
8   const dispatch = useDispatch();
9   const handleLogout = (e) => {
10     e.preventDefault();
11
12     dispatch(logout());
13   };
14   return (
15     <div className="logout">
16       <h1>
17         Welcome <span className="user__name">{user.name}</span>
18       </h1>
19       <button className="logout__button" onClick={e => handleLogout(e)}>
20         Logout
21       </button>
22     </div>
23   );
24 }
25
26 export default Logout;
```

```
Self Paced Learning > login > src > components > Logout.css > ...
1 .logout {
2   display: flex;
3   flex-direction: column;
4   align-items: center;
5   justify-content: center;
6   height: 100vh;
7   font-family: "Inter";
8 }
9
10 .logout__button {
11   min-width: 300px;
12   padding: 17px 30px;
13   margin-top: 20px;
14   background-color: black;
15   border: none;
16   color: white;
17   font-size: 14px;
18   font-family: "Inter";
19   border-radius: 3px;
20 }
21
22 .user__name {
23   color: blueviolet;
24 }
25
```

4. Seting App.js untuk mengecek apakah user tersebut Login atau Logout

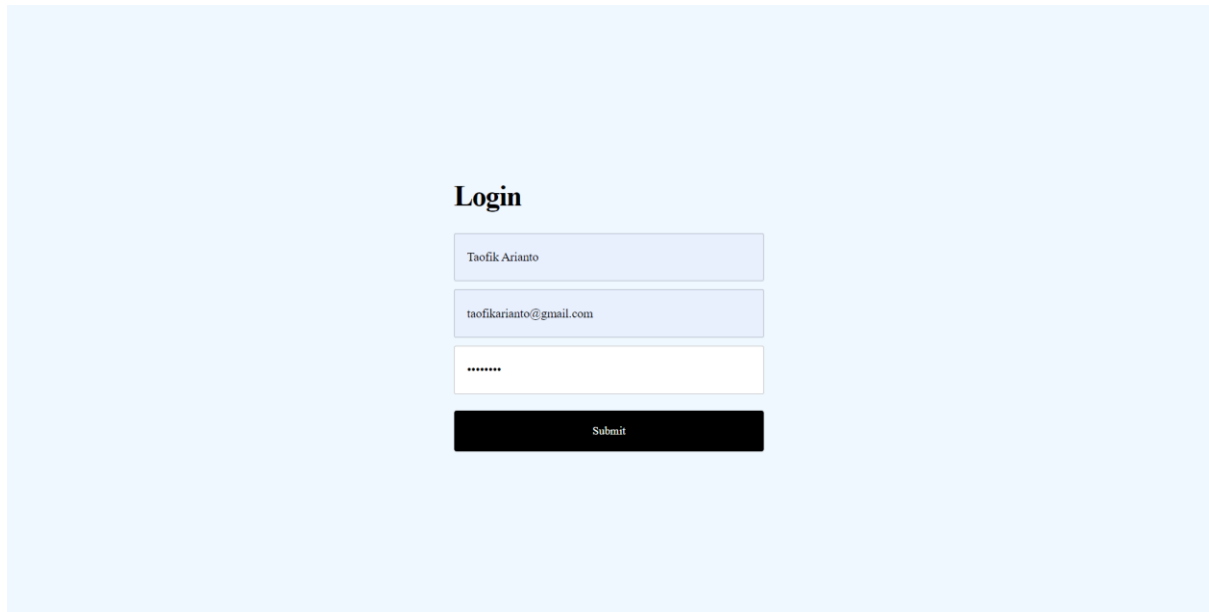
```
Self Paced Learning > login > src > JS App.js > ...
1  import React from "react";
2  import { useSelector } from "react-redux";
3  import "./App.css";
4  import Login from "../components/Login";
5  import Logout from "../components/Logout";
6  import { selectUser } from "../features/userSlice";
7
8  function App() {
9    const user = useSelector(selectUser);
10   return <div>{user ? <Logout /> : <Login />}</div>;
11 }
12
13 export default App;
14
```

5. Dan yang terakhir styling component App

```
Self Paced Learning > login > src > App.css > ...
1  * {
2    margin: 0;
3    padding: 0;
4    box-sizing: border-box;
5  }
6
7  body {
8    background-color: #aliceblue;
9  }
10
```

Hasil

1. Tampilan Login



A screenshot of a login form on a light blue background. The form is centered and consists of the following elements: a title 'Login' in bold black text; a text input field containing 'Taofik Arianto'; an email input field containing 'taofikarianto@gmail.com'; a password input field with masked characters '*****'; and a black 'Submit' button.

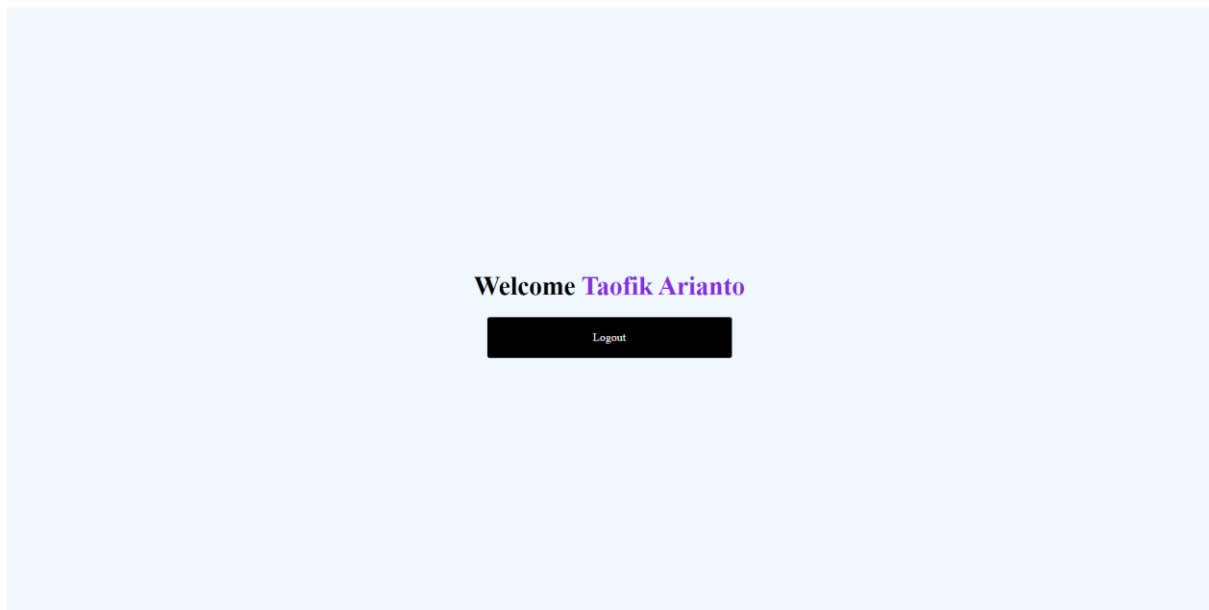
Login

Taofik Arianto

taofikarianto@gmail.com

Submit

2. Tampilan Logout



A screenshot of a logout form on a light blue background. The form is centered and consists of the following elements: a title 'Welcome Taofik Arianto' in bold black text, where 'Taofik Arianto' is highlighted in purple; and a black 'Logout' button.

Welcome Taofik Arianto

Logout