

Assignment 7 Evan Binu Chirayath

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Login Form using React and Node.js

Firebase.js

Used firebase as backend to store user email and password.

```
import { initializeApp } from "firebase/app";
import { getAnalytics } from "firebase/analytics";
import { getAuth } from 'firebase/auth';

// Your web app's Firebase configuration
const firebaseConfig = {
  apiKey: "AIzaSyDxLJuI_pLEFyAFeAa7mIRQpMZJYkGI1NE",
  authDomain: "login-form-5017b.firebaseio.com",
  projectId: "login-form-5017b",
  storageBucket: "login-form-5017b.appspot.com",
  messagingSenderId: "23885697754",
  appId: "1:23885697754:web:4259944e061e2e6be3cbe3",
  measurementId: "G-Z1DV6JWMLL"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const analytics = getAnalytics(app);
const auth = getAuth(app);

export { app, auth };
```

Authentication

Users Sign-in method Templates Usage Settings Extensions

Search by email address, phone number or user UID					Add user	↺	⋮
Identifier	Providers	Created ↓	Signed in	User UID			
manishkumar@gmail.c...	✉	9 Jun 2024					
evanbinu17@gmail.com	✉	9 Jun 2024					
					Rows per page	50 ▼	1 – 2 of 2 < >

Login.js

```
import React, { useState } from "react";
import { getAuth, signInWithEmailAndPassword } from "firebase/auth";
import "./login.css";
import { app } from "../firebase";
import { useNavigate } from "react-router-dom";

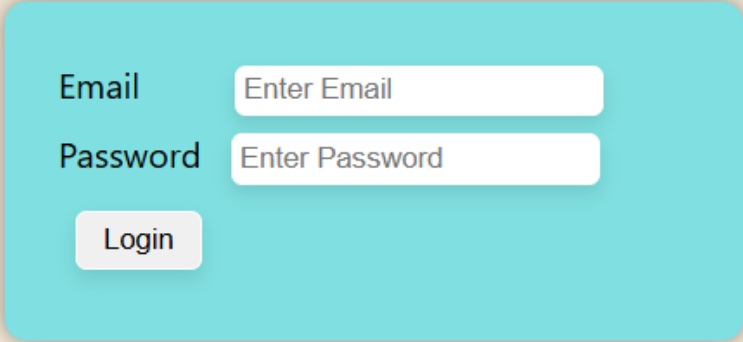
const LoginForm = () => {
  const [email, setEmail] = useState("");
  const [password, setPassword] = useState("");
  const [error, setError] = useState("");
  const navigate = useNavigate();

  const handleSubmit = (event) => {
    event.preventDefault();
    const auth = getAuth(app);
    signInWithEmailAndPassword(auth, email, password)
      .then((userCredential) => {
        navigate("/home");
      })
      .catch((error) => {
        const errorCode = error.code;
        const errorMessage = error.message;
        alert("Error logging in user:", errorCode, errorMessage);
      });
  };
};
```

```
  return (
    <div className="login-container">
      <div className="title"><h1>Login Form:</h1></div>
      <div className="loginform">
        <form onSubmit={handleSubmit}>
          <div>
            <label id="email" htmlFor="email">Email</label>
            <input
              type="email"
              placeholder="Enter Email"
              onChange={(e) => setEmail(e.target.value)}
            />
          </div>
          <div>
            <label htmlFor="password">Password</label>
            <input
              type="password"
              placeholder="Enter Password"
              onChange={(e) => setPassword(e.target.value)}
            />
          </div>
          <button type="submit">Login</button>
        </form>
      </div>
    </div>
  );
};

export default LoginForm;
```

Login Form:



Email

Password

Login

Home.js

```
import React from 'react';
import './home.css';

function Home() {
  return (
    <h1>Welcome Home !!!</h1>
  );
}

export default Home;
```

Output

If the authentication is a success, then:

Welcome Home !!!

Else it will show:

localhost:3000 says

Error logging in user:

OK