Index.html

<!DOCTYPE html>

<html>

<head><title>Home</title></head>

<body>

    <h2>Welcome to User Authentication System</h2>

    <a href="/signup">Sign Up</a> | <a href="/login">Login</a>

</body>

</html>

Login.html

<!DOCTYPE html>

<html>

<head><title>Login</title></head>

<body>

    <h2>Login</h2>

    <form action="/login" method="post" >

        Email: <input type="text" name="email"><br>

        Password: <input type="password"  name="password"><br>

        <button type="submit">Login</button>

    </form>

</body>

</html>

Signup.html

<!DOCTYPE html>

<html>

<head><title>Sign Up</title></head>

<body>

    <h2>Sign Up</h2>

    <form action="/register" method="post">

        Name: <input type="text" name="name" required><br>

        Email: <input type="email" name="email" required><br>

        Password: <input type="password" name="password" required><br>

        <button type="submit">Register</button>

    </form>

</body>

</html>

Welcome.html

<!DOCTYPE html>

<html>

<head><title>Welcome</title></head>

<body>

    <h2>Welcome User</h2>

    <p>You have successfully logged in!</p>

</body>

</html>

Database.js

const { MongoClient } = require('mongodb');

const url = 'mongodb://localhost:27017/';

const client = new MongoClient(url);

let collection;

async function connectDB(dbname, table) {

    let result = await client.connect();

    let db = result.db(dbname);

    collection = db.collection(table);

    console.log("Database Connected...");

    return collection;

}

exports.getData = async function (email) {

    collection = await connectDB("usersDB", "users");

    let response = await collection.find({ email: email }).toArray();

    return JSON.stringify(response);

};

exports.insertData = async function (user) {

    collection = await connectDB("usersDB", "users");

    let response = await collection.insertOne({ name: user.name, email: user.email, password: user.password });

    return JSON.stringify(response);

}

Server.js

const express = require("express");

const db = require("./database.js");

const jwt = require("jsonwebtoken");

const path = require("path");

const app = express();

const port = 3000;

app.use(express.json());

app.use(express.static("public"));

app.use(express.urlencoded({ extended: true }))

app.get('/', (req, res) => res.sendFile(path.join(\_\_dirname, "public", "index.html")));

app.get('/signup', (req, res) => res.sendFile(path.join(\_\_dirname, "public", "signup.html")));

app.get('/login', (req, res) => res.sendFile(path.join(\_\_dirname, "public", "login.html")));

app.get('/welcome', (req, res) => res.sendFile(path.join(\_\_dirname, "public", "welcome.html")));

app.post("/register", async (req, res) => {

    const { name, email, password } = req.body;

    // Check if the user already exists based on email

    let userExists = await db.getData(email);

    if (JSON.parse(userExists).length > 0) {

        res.json({ signup: false, error: "User already registered with this email" });

    } else {

        const token = jwt.sign({ name, email }, "secret\_key");

        let newUser = { name, email, password, token };

        let result = await db.insertData(newUser);

        res.json({ signup: true, token, result });

    }

});

app.post("/login", async (req, res) => {

    const { email, password } = req.body;

    let user = await db.getData(email, password);

    if (JSON.parse(user).length > 0) {

        const token = jwt.sign({ email }, "secret\_key");

        res.json({ message: "Welcome to your profile",login: true, token, data: JSON.parse(user) });

    } else {

        res.json({  login: false, error: "Invalid username or password" });

    }

});

app.listen(port, () => {

    console.log(`Server is running on http://localhost:${port}/`);

});

To run:

npm init -y

npm install mongodb express

mongod

npm install jsonwebtoken

node server.js

<http://localhost:3000/>