login.html:

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Registration Form</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <nav>

        <!-- navbar to be made here -->

    </nav>

    <div class="container">

        <div class="form-tab">

            <button id="login-tab" class="active" onclick="switchTab('login')">Login</button>

            <button id="register-tab" onclick="switchTab('register')">Register</button>

        </div>

        <main>

            <div id="login-form" class="form-section">

                <h2>Login</h2>

                <p>Name:</p>

                <input type="text" name="txtUserName" id="txtUserName">

                <br>

                <br>

                <p>Password:</p>

                <input type="password" name="txtUserPassword" id="txtUserPassword">

                <br>

                <br>

                <div class="btn-back">

                    <button class="btn" onclick="readData()">Login</button>

                </div>

            </div>

            <div id="register-form" class="form-section">

                <h2>Register</h2>

                <p>Account Number:</p>

                <input type="text" name="txtAccount" id="txtAccount">

                <br>

                <br>

                <p>Name:</p>

                <input type="text" name="txtName" id="txtName">

                <br>

                <br>

                <p>Password:</p>

                <input type="password" name="txtPassword" id="txtPassword">

                <br>

                <br>

                <p>Email:</p>

                <input type="email" name="txtEmail" id="txtEmail">

                <br>

                <br>

                <p>Contact:</p>

                <input type="text" name="txtContact" id="txtContact">

                <br>

                <br>

                <div class="btn-back">

                    <button class="btn" onclick="insertData()">Register</button>

                </div>

            </div>

        </main>

    </div>

</body>

<script src="script.js"></script>

</html>

style.css:

body {

    background-color: orange;

}

h2 {

    text-align: center;

}

.container {

    background-color: rgb(65, 65, 103);

    margin: 10vh 25vw;

    padding: 20px;

    color: white;

}

.btn-back{

    display: flex;

    justify-content: center;

    align-items: center;

}

.btn {

    padding: 10px;

    border-radius: 25px;

    background-color: black;

    color: white;

    cursor: pointer;

}

input {

    padding: 5px;

    border-radius: 20px;

}

.form-container {

    max-width: 400px;

    margin: 0 auto;

    padding: 20px;

    background-color: #f2f2f2;

    border-radius: 5px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

.form-tab {

    display: flex;

    justify-content: center;

    margin-bottom: 20px;

}

.form-tab button {

    padding: 10px 20px;

    border: none;

    background-color: transparent;

    cursor: pointer;

    outline: none;

    font-size: 16px;

    color: rgb(173, 171, 171);

}

.form-tab button.active {

    color: white;

    font-weight: bold;

    border-bottom: 2px solid #333;

}

#register-form {

    display: none;

}

index.html:

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>DashBoard</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <center>

        <h1>Bank Website</h1>

    </center>

    <h2 style="text-align: left;">Welcome <span id="accName"></span></h2>

    <center>

        <h2>Transaction History</h2>

        <div class="accfrom1">

            Enter Account Number:

            <input type="text" name="accfrom" id="accfrom">

        </div>

        <div class="btn-back">

            <button class="btn" onclick="displayData()">Display</button>

        </div>

        <div id="TransactionData" style="text-align: left;"></div>

    </center>

    <script src="script.js"></script>

</body>

</html>

script.js:

function insertData() {

    var myHeaders = new Headers();

    myHeaders.append('Content-Type', 'application/json');

    let name = document.getElementById('txtName').value;

    let password = document.getElementById('txtPassword').value;

    let email = document.getElementById('txtEmail').value;

    let contact = document.getElementById('txtContact').value;

    let account = document.getElementById('txtAccount').value;

    var raw = JSON.stringify({

        'account': account,

        "name": name,

        "password": password,

        'email': email,

        'contact': contact

    });

    var requestOptions = {

        method: "POST",

        headers: myHeaders,

        body: raw,

        redirect: "follow"

    };

    fetch("http://localhost:3000/register", requestOptions)

        .then(response => response.text())

        .then(result => {

            console.log(result);

            alert(result);

        })

        .catch(error => console.log("error", error));

    window.location.href= "index.html";

}

function readData() {

    var myHeaders = new Headers();

    myHeaders.append('Content-Type', 'application/json');

    let name = document.getElementById('txtUserName').value;

    let password = document.getElementById('txtUserPassword').value;

    var raw = JSON.stringify({

        "name": name,

        "password": password,

    });

    var requestOptions = {

        method: "POST",

        headers: myHeaders,

        body: raw,

        redirect: "follow"

    };

    fetch("http://localhost:3000/login", requestOptions)

        .then(response => response.json())

        .then(result => {

            if(result) {

                alert("Login Successful");

                window.location.href="./index.html";

            }

            else {

                alert("Invalid username or password")

            }

        })

        .catch(error => console.log('error', error));

}

function displayData() {

    var myHeaders = new Headers();

    myHeaders.append('Content-Type', 'application/json');

    let account = document.getElementById('accfrom').value;

    var raw = JSON.stringify({

        'account': account

    });

    var requestOptions = {

        method: "POST",

        headers: myHeaders,

        body: raw,

        redirect: "follow"

    };

    fetch("http://localhost:3000/history", requestOptions)

        .then(response => response.json())

        .then(result => {

            // Clear the existing data before appending new data

            document.getElementById("TransactionData").innerHTML = '';

            result.forEach(element => {

                // Construct the HTML for each transaction entry

                var transactionHTML = `

                    <br>Account From: ${element.accfrom}

                    <br>Account To: ${element.accto}

                    <br>Amount debited/credited: ${element.amt}

                    <br>Balance: ${element.balance}

                    <hr>

                `;

                // Append the transaction entry to the container

                document.getElementById("TransactionData").innerHTML += transactionHTML;

            });

        })

        .catch(error => console.log('error', error));

}

function switchTab(tabName) {

    var loginTab = document.getElementById('login-tab');

    var registerTab = document.getElementById('register-tab');

    var loginForm = document.getElementById('login-form');

    var registerForm = document.getElementById('register-form');

    if (tabName === 'login') {

        loginTab.classList.add('active');

        registerTab.classList.remove('active');

        loginForm.style.display = 'block';

        registerForm.style.display = 'none';

        changePageTitle('Login form');

    } else if (tabName === 'register') {

        loginTab.classList.remove('active');

        registerTab.classList.add('active');

        loginForm.style.display = 'none';

        registerForm.style.display = 'block';

        changePageTitle('Registration form');

    }

}

function changePageTitle(newPageTitle) {

    document.title = newPageTitle;

}

server.js:

const express = require("express");

const app = express();

const port = 3000;

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

const url = "mongodb://127.0.0.1:27017";

const dbName = "esdBank";

app.use(express.json());

app.use(express.urlencoded());

async function createDocument(req, res) {

    const client = new MongoClient(url);

    try {

        await client.connect();

        console.log("Connected to the database");

        const db = client.db(dbName);

        const collection = db.collection('account');

        //Create user logic here

        const last\_id = await collection.countDocuments();

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

        const newUser = {

            id: (last\_id + 1),

            account: parseInt(account),

            name: name,

            password: password,

            email: email,

            contact: contact,

        }

        const result = await collection.insertOne(newUser);

        console.log("Created document:", result.insertedId);

        res.send(result.insertedId);

    } catch (err) {

        console.error("Error : ", err);

    } finally {

        await client.close();

        console.log("Disconnected from the database");

    }

}

async function readDocument(req, res) {

    const client = new MongoClient(url);

    try {

        await client.connect();

        console.log("Connected to the database");

        const db = client.db(dbName);

        const collection = db.collection("account");

        // Insert the document into the collection

        const { name, password } = req.body;

        filter = {

            name: name,

            password: password

        }

        const result = await collection.findOne(filter);

        console.log(`${name} and ${password}`)

        res.json(result);

    } catch (err) {

        console.error("Error:", err);

    } finally {

        await client.close();

        console.log("Disconnected from the database");

    }

}

async function displayRecord(req, res) {

    const client = new MongoClient(url);

    try {

        await client.connect();

        console.log("Connected to the database");

        const db = client.db(dbName);

        const collection = db.collection("transaction");

        const { account } = req.body;

        filter = {

            accfrom: parseInt(account)

        }

        // Insert the document into the collection

        console.log("accfrom:", account);

        console.log("filter:", filter);

        const result = await collection.find(filter).toArray();

        res.json(result);

        console.log("Displayed document:", result);

    } catch (err) {

        console.error("Error:", err);

    } finally {

        await client.close();

        console.log("Disconnected from the database");

    }

}

app.get("/", (req, res) => {

    res.send("Hello");

});

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

    createDocument(req, res);

    // res.send("Registration Successful");

});

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

    readDocument(req, res);

});

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

    displayRecord(req, res);

});

app.listen(port, () => {

    console.log(`App listening on port ${port}`);

});













