<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Online Banking System</title>

<style>

body { font-family: Arial, sans-serif; text-align: center; }

input, button { margin: 10px; padding: 10px; }

#dashboard, #transaction-history { display: none; }

</style>

</head>

<body>

<h1>WELCOME TO SA-EED IBN UMAR BANKING SOFTWARE</h1>

<h2>Banking System</h2>

<!-- Authentication Section -->

<div id="auth">

<h2>Register</h2>

<input type="text" id="reg-username" placeholder="Username">

<input type="password" id="reg-password" placeholder="Password">

<button onclick="register()">Register</button>

<h2>Login</h2>

<input type="text" id="login-username" placeholder="Username">

<input type="password" id="login-password" placeholder="Password">

<button onclick="login()">Login</button>

</div>

<!-- Dashboard -->

<div id="dashboard">

<h2>Dashboard</h2>

<p id="balance">Balance: $0.00</p>

<h3>Deposit</h3>

<input type="number" id="deposit-amount" placeholder="Amount">

<button onclick="deposit()">Deposit</button>

<h3>Withdraw</h3>

<input type="number" id="withdraw-amount" placeholder="Amount">

<button onclick="withdraw()">Withdraw</button>

<h3>Transfer</h3>

<input type="text" id="transfer-recipient" placeholder="Recipient Username">

<input type="number" id="transfer-amount" placeholder="Amount">

<button onclick="transfer()">Transfer</button>

<button onclick="getTransactionHistory()">View Transactions</button>

<button onclick="logout()">Logout</button>

</div>

<!-- Transaction History -->

<div id="transaction-history">

<h2>Transaction History</h2>

<table border="1">

<tr><th>Type</th><th>Amount</th><th>Date</th></tr>

<tbody id="transactions"></tbody>

</table>

</div>

<script>

let token = "";

function register() {

const username = document.getElementById("reg-username").value;

const password = document.getElementById("reg-password").value;

if (!username || !password) {

alert("Please enter a username and password.");

return;

}

fetch("http://127.0.0.1:5000/register", {

method: "POST",

headers: { "Content-Type": "application/json" },

body: JSON.stringify({ username, password })

})

.then(res => res.json())

.then(data => {

alert(data.message || data.error);

})

.catch(err => console.error("Error:", err));

}

function login() {

const username = document.getElementById("login-username").value;

const password = document.getElementById("login-password").value;

if (!username || !password) {

alert("Please enter both username and password.");

return;

}

fetch("http://127.0.0.1:5000/login", {

method: "POST",

headers: { "Content-Type": "application/json" },

body: JSON.stringify({ username, password })

})

.then(res => res.json())

.then(data => {

if (data.token) {

token = `Bearer ${data.token}`;

document.getElementById("auth").style.display = "none";

document.getElementById("dashboard").style.display = "block";

getBalance();

} else {

alert(data.error || "Login failed.");

}

})

.catch(err => console.error("Error:", err));

}

function getBalance() {

fetch("http://127.0.0.1:5000/balance", {

method: "GET",

headers: { "Authorization": token }

})

.then(res => res.json())

.then(data => {

if (data.balance !== undefined) {

document.getElementById("balance").innerText = `Balance: $${data.balance}`;

} else {

alert(data.error || "Failed to retrieve balance.");

}

})

.catch(err => console.error("Error:", err));

}

function deposit() {

const amount = document.getElementById("deposit-amount").value;

if (!amount || amount <= 0) {

alert("Please enter a valid deposit amount.");

return;

}

fetch("http://127.0.0.1:5000/deposit", {

method: "POST",

headers: { "Content-Type": "application/json", "Authorization": token },

body: JSON.stringify({ amount: parseFloat(amount) })

})

.then(res => res.json())

.then(data => {

alert(data.message || data.error);

getBalance();

})

.catch(err => console.error("Error:", err));

}

function withdraw() {

const amount = document.getElementById("withdraw-amount").value;

if (!amount || amount <= 0) {

alert("Please enter a valid withdrawal amount.");

return;

}

fetch("http://127.0.0.1:5000/withdraw", {

method: "POST",

headers: { "Content-Type": "application/json", "Authorization": token },

body: JSON.stringify({ amount: parseFloat(amount) })

})

.then(res => res.json())

.then(data => {

alert(data.message || data.error);

getBalance();

})

.catch(err => console.error("Error:", err));

}

function transfer() {

const recipient = document.getElementById("transfer-recipient").value;

const amount = document.getElementById("transfer-amount").value;

if (!recipient || !amount || amount <= 0) {

alert("Please enter a valid recipient and transfer amount.");

return;

}

fetch("http://127.0.0.1:5000/transfer", {

method: "POST",

headers: { "Content-Type": "application/json", "Authorization": token },

body: JSON.stringify({ recipient, amount: parseFloat(amount) })

})

.then(res => res.json())

.then(data => {

alert(data.message || data.error);

getBalance();

})

.catch(err => console.error("Error:", err));

}

function getTransactionHistory() {

fetch("http://127.0.0.1:5000/transactions", {

method: "GET",

headers: { "Authorization": token }

})

.then(res => res.json())

.then(data => {

document.getElementById("transactions").innerHTML = "";

data.transactions.forEach(tran => {

document.getElementById("transactions").innerHTML += `<tr><td>${tran.type}</td><td>$${tran.amount}</td><td>${tran.date}</td></tr>`;

});

})

.catch(err => console.error("Error:", err));

}

function logout() {

token = "";

document.getElementById("auth").style.display = "block";

document.getElementById("dashboard").style.display = "none";

}

</script>

</body>

</html>