Index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Voting Website</title>

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

</head>

<body>

    <div class="container">

        <header>

            <h1>Voting Website</h1>

            <nav>

                <ul>

                    <li><a href="index.html" id="homeLink">Home</a></li>

                    <li><a href="about.html" id="aboutLink">About Us</a></li>

                    <li><a href="contact.html" id="contactLink">Contact</a></li>

                </ul>

            </nav>

        </header>

        <main id="mainContent">

            <section id="homeContent">

                <h2>Welcome to our Voting Website!</h2>

                <p>Exercise your democratic right by voting for your preferred candidate.</p>

                <div id="registrationForm">

                    <div class="form-image">

                        <img src="images/registration.jpeg" alt="registration">

                    </div>

                    <div class="form-fields">

                        <h3>Registration</h3>

                        <label for="citizenCardNumber">Citizen Card Number:</label>

                        <input type="text" id="citizenCardNumber">

                        <label for="name">Name:</label>

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

                        <label for="address">Address:</label>

                        <input type="text" id="address">

                        <label for="password">Password:</label>

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

                        <label for="confirmPassword">Confirm Password:</label>

                        <input type="password" id="confirmPassword">

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

                    </div>

                </div>

                <div id="loginForm" style="display: none;">

                    <div class="form-image">

                        <img src="images/login.jpeg" alt="Login">

                    </div>

                    <div class="form-fields">

                        <h3>Login</h3>

                        <label for="citizenCardNumberLogin">Citizen Card Number:</label>

                        <input type="text" id="citizenCardNumberLogin">

                        <label for="username">Username:</label>

                        <input type="text" id="username">

                        <label for="passwordLogin">Password:</label>

                        <input type="password" id="passwordLogin">

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

                        <div id="errorMessage" class="error-message"></div>

                    </div>

                </div>

                <div id="candidates">

*<!-- Candidate list will be populated dynamically -->*

                </div>

                <div id="voteResults">

*<!-- Vote counts for each candidate will be displayed here -->*

                </div>

            </section>

        </main>

    </div>

    <script src="script.js"></script>

</body>

</html>

Style.css

body {

  font-family: Arial, sans-serif;

  margin: 0;

  padding: 0;

  background-color: #f2f2f2;

}

.container {

  max-width: 800px;

  margin: 20px auto;

  padding: 20px;

  background-color: #fff;

  border-radius: 10px;

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

}

header {

  text-align: center;

  margin-bottom: 20px;

}

h1 {

  color: #333;

  margin-bottom: 10px;

}

nav ul {

  list-style: none;

  padding: 0;

  text-align: center;

}

nav ul li {

  display: inline;

  margin-right: 20px;

}

nav ul li a {

  color: #333;

  text-decoration: none;

  transition: color 0.3s ease;

}

nav ul li a:hover {

  color: blue;

}

input,

button {

  margin: 10px 0;

  padding: 10px;

  width: 100%;

  box-sizing: border-box;

}

.error-message {

  color: red;

  margin-top: 10px;

}

#candidates,

#voteResults {

  margin-top: 20px;

}

#candidates div {

  cursor: pointer;

  border: 1px solid #ccc;

  border-radius: 5px;

  padding: 20px;

  margin-bottom: 10px;

  background-color: #f9f9f9;

  overflow: hidden;

}

#candidates div:hover {

  background-color: #e0e0e0;

}

#candidates div img {

  width: 100px;

  height: 100px;

  display: flex;

  margin: 0 auto 10px;

  border-radius: 50%;

}

#candidates div h4 {

  text-align: center;

  margin: 0;

}

#candidates div p {

  text-align: center;

  margin: 5px 0;

}

.container section {

  padding: 20px;

  border-radius: 10px;

  background-color: #f9f9f9;

  margin-bottom: 20px;

}

.container section h2 {

  margin-top: 0;

  color: #333;

}

.container section p {

  color: #666;

  line-height: 1.6;

}

.container section button {

  background-color: blue;

  color: #fff;

  border: none;

  border-radius: 5px;

  cursor: pointer;

  transition: background-color 0.3s ease;

}

.container section button:hover {

  background-color: #0044cc;

}

.candidate {

  display: flex;

  align-items: center;

  justify-content: space-between;

  border: 1px solid #ccc;

  border-radius: 5px;

  padding: 10px;

  margin-bottom: 10px;

}

.candidate-info img {

  width: 100px;

  height: 100px;

  border-radius: 50%;

}

.candidate-info h4,

.candidate-info p {

  margin: 5px 0;

}

.candidate-actions button {

  padding: 8px 15px;

  margin-left: 10px;

  border: none;

  border-radius: 5px;

  cursor: pointer;

  background-color: #007bff;

  color: #fff;

}

.candidate-actions button:hover {

  background-color: #0056b3;

}

*/\* Existing CSS styles \*/*

*/\* Set image size for login and registration \*/*

.form-image img {

  width: 150px;

  height: 150px;

  border-radius: 90%;

}

*/\* Set image size for social media icons \*/*

#contactContent img {

  width: 50px;

  height: 50px;

}

*/\* Additional styles for Gmail image \*/*

#contactContent img.gmail-icon {

  inline-size: 30px;

  block-size: 30px;

}

Script.js

let voters = [];

let loggedInVoter = null;

let selectedCandidate = null;

let candidates = [

  { name: "Candidate 1", votes: 0, image: "images/candidate1.jpeg" },

  { name: "Candidate 2", votes: 0, image: "images/candidate2.jpeg" },

  { name: "Candidate 3", votes: 0, image: "images/candidate3.jpeg" },

  { name: "Candidate 4", votes: 0, image: "images/candidate4.jpeg" },

  { name: "Candidate 5", votes: 0, image: "images/candidate5.jpeg" },

];

function validateRegistration() {

  const citizenCardNumber = document.getElementById("citizenCardNumber").value;

  const name = document.getElementById("name").value;

  const address = document.getElementById("address").value;

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

  const confirmPassword = document.getElementById("confirmPassword").value;

*if* (

    !citizenCardNumber ||

    !name ||

    !address ||

    !password ||

    !confirmPassword

  ) {

    showError("All fields are required.");

*return* false;

  }

*if* (!/*^*\d{6}*$*/.test(citizenCardNumber)) {

    showError("Citizen Card Number must have 6 digits.");

*return* false;

  }

*if* (password.length < 8) {

    showError("Password must be at least 8 characters long.");

*return* false;

  }

*if* (password !== confirmPassword) {

    showError("Passwords do not match.");

*return* false;

  }

*if* (!/*^*[a-zA-Z]+*$*/.test(name)) {

    showError("Name must contain only letters.");

*return* false;

  }

*return* true;

}

function showError(*message*) {

  const errorMessage = document.getElementById("errorMessage");

  errorMessage.innerText = *message*;

  errorMessage.style.color = "red";

  errorMessage.style.display = "block";

}

function registerVoter() {

*if* (validateRegistration()) {

    const citizenCardNumber =

      document.getElementById("citizenCardNumber").value;

    const name = document.getElementById("name").value;

    const address = document.getElementById("address").value;

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

    voters.push({ citizenCardNumber, name, address, password });

    console.log("Voter registered successfully:", voters[voters.length - 1]);

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

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

  }

}

function login() {

  const citizenCardNumberLogin = document.getElementById(

    "citizenCardNumberLogin"

  ).value;

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

  const passwordLogin = document.getElementById("passwordLogin").value;

  loggedInVoter = voters.find(

    (*voter*) =>

*voter*.citizenCardNumber === citizenCardNumberLogin &&

*voter*.name === username &&

*voter*.password === passwordLogin

  );

*if* (loggedInVoter) {

    console.log("Login successful!");

    displayCandidates();

  } *else* {

    console.log("Login failed. Voter not found.");

    document.getElementById("errorMessage").innerText =

      "Invalid login credentials.";

  }

}

function displayCandidates() {

  const candidatesDiv = document.getElementById("candidates");

  candidatesDiv.innerHTML = "<h3>Candidates</h3>";

  candidates.forEach((*candidate*) => {

    const candidateDiv = document.createElement("div");

    candidateDiv.classList.add("candidate");

    candidateDiv.innerHTML = `

            <div class="candidate-info">

                <img src="${*candidate*.image}" alt="${*candidate*.name}">

                <h4>${*candidate*.name}</h4>

                <p>Click to vote</p>

            </div>

            <div class="candidate-actions">

                <button onclick="vote('${*candidate*.name}')">Vote</button>

                <button onclick="deleteVote('${*candidate*.name}')">Delete Vote</button>

            </div>

        `;

    candidatesDiv.appendChild(candidateDiv);

  });

}

function vote(*candidateName*) {

*if* (selectedCandidate && selectedCandidate.name === *candidateName*) {

    console.log("You have already voted for this candidate.");

*return*;

  }

  const candidate = candidates.find(

    (*candidate*) => *candidate*.name === *candidateName*

  );

*if* (candidate) {

*if* (selectedCandidate) {

      const prevCandidate = candidates.find(

        (*candidate*) => *candidate*.name === selectedCandidate.name

      );

      prevCandidate.votes--;

      console.log(

        "Vote updated successfully for candidate:",

        selectedCandidate.name

      );

    }

    candidate.votes++;

    console.log("Vote submitted successfully for candidate:", candidateName);

    selectedCandidate = candidate;

    displayCandidates();

  } *else* {

    console.log("Candidate not found.");

  }

}

function deleteVote(*candidateName*) {

*if* (!selectedCandidate) {

    console.log("No vote to delete.");

*return*;

  }

  const candidate = candidates.find(

    (*candidate*) => *candidate*.name === *candidateName*

  );

*if* (candidate) {

*if* (selectedCandidate.name === *candidateName*) {

      selectedCandidate = null;

    }

    candidate.votes--;

    console.log("Vote deleted successfully for candidate:", *candidateName*);

    displayCandidates();

  } *else* {

    console.log("Candidate not found.");

  }

}

About.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>About Us</title>

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

</head>

<body>

    <div class="container">

        <header>

            <h1>About Us</h1>

            <nav>

                <ul>

                    <li><a href="index.html">Home</a></li>

                    <li><a href="about.html">About Us</a></li>

                    <li><a href="contact.html">Contact</a></li>

                </ul>

            </nav>

        </header>

        <main id="mainContent">

            <div id="aboutContent">

                <h2>Welcome to our Voting Website!</h2>

                <p>We are committed to providing a secure and transparent platform for democratic voting. Our aim is to

                    empower individuals to exercise their right to vote effectively and contribute to the democratic

                    process.</p>

                <p>For further inquiries, please feel free to contact us.</p>

            </div>

        </main>

    </div>

</body>

</html>

Contact.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Contact Us</title>

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

</head>

<body>

    <div class="container">

        <header>

            <h1>Contact Us</h1>

            <nav>

                <ul>

                    <li><a href="index.html">Home</a></li>

                    <li><a href="about.html">About Us</a></li>

                    <li><a href="contact.html">Contact</a></li>

                </ul>

            </nav>

        </header>

        <main id="mainContent">

            <div id="contactContent">

                <h2>Contact Information</h2>

                <p>If you have any questions or feedback, feel free to contact us:</p>

                <ul>

                    <li>Email: contact@votingwebsite.com</li>

                    <li>Phone: 123-456-7890</li>

                </ul>

                <p>You can also connect with us on social media:</p>

                <ul>

                    <li><img src="images/facebook.jpeg" alt="Facebook"> Facebook: facebook.com/votingwebsite</li>

                    <li><img src="images/instagram.jpeg" alt="Instagram"> Instagram: @votingwebsite</li>

                    <li><img src="images/gmail.jpeg" alt="Gmail"> Gmail: votingwebsite@gmail.com</li>

                </ul>

            </div>

        </main>

    </div>

</body>

</html>

Server.js

const express = require("express");

const bodyParser = require("body-parser");

const mysql = require("mysql");

const app = express();

const PORT = 3000;

*// MySQL connection*

const db = mysql.createConnection({

  host: "localhost",

  user: "root",

  password: "yourpassword",

  database: "voting\_website",

});

*// Connect to MySQL*

db.connect((*err*) => {

*if* (*err*) *throw* *err*;

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

});

*// Middleware*

app.use(bodyParser.urlencoded({ extended: false }));

app.use(bodyParser.json());

*// Registration endpoint*

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

  const { citizenCardNumber, name, address, password } = *req*.body;

*// Backend validation*

*if* (!citizenCardNumber || !name || !address || !password) {

*return* *res*.status(400).send("All fields are required.");

  }

*// Perform additional backend validations here*

*// Insert into database*

  const sql =

    "INSERT INTO voters (citizen\_card\_number, name, address, password) VALUES (?, ?, ?, ?)";

  db.query(sql, [citizenCardNumber, name, address, password], (*err*, *result*) => {

*if* (*err*) {

      console.log(*err*);

*return* *res*.status(500).send("Error registering voter.");

    }

    console.log("Voter registered successfully.");

*return* *res*.status(200).send("Voter registered successfully.");

  });

});

*// Start server*

app.listen(PORT, () => {

  console.log(`Server running on port ${PORT}`);

});

Database.sql

*-- database.sql*

CREATE DATABASE IF NOT EXISTS voting\_website;

USE voting\_website;

CREATE TABLE IF NOT EXISTS voters (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    citizen\_card\_number VARCHAR(10),

    name VARCHAR(255),

    address VARCHAR(255),

    password VARCHAR(255)

);