document.addEventListener("DOMContentLoaded", function () {

// QR Code Generation

const qrcode = new QRCode(document.getElementById("qrcode"), {

text: window.location.href,

width: 128,

height: 128,

});

// Chatbot Functionality

const chatIcon = document.querySelector(".chat-icon");

const chatWindow = document.querySelector(".chat-window");

const chatMessages = document.querySelector(".chat-messages");

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

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

const closeBtn = document.querySelector(".close-btn");

// Toggle Chat Window

chatIcon.addEventListener("click", function () {

chatWindow.style.display = chatWindow.style.display === "block" ? "none" : "block";

});

closeBtn.addEventListener("click", function () {

chatWindow.style.display = "none";

});

// Speech Recognition

const SpeechRecognition = window.SpeechRecognition || window.webkitSpeechRecognition;

let recognition;

if (SpeechRecognition) {

recognition = new SpeechRecognition();

recognition.continuous = false;

recognition.interimResults = false;

recognition.lang = "en-US";

recognition.onresult = function (event) {

const transcript = event.results[0][0].transcript;

chatInput.value = transcript;

sendMessage(transcript);

};

recognition.onerror = function (event) {

console.error("Speech recognition error:", event.error);

};

} else {

console.warn("Speech recognition not supported in this browser.");

voiceButton.style.display = "none";

}

// Text-to-Speech for Bot Responses

const synth = window.speechSynthesis;

function speak(text) {

const utterance = new SpeechSynthesisUtterance(text);

synth.speak(utterance);

}

// Function to get the current time and date

function getCurrentTimeDate() {

const now = new Date();

const time = now.toLocaleTimeString([], { hour: "2-digit", minute: "2-digit" });

const date = now.toLocaleDateString();

return `Current time is ${time} and the date is ${date}.`;

}

// Function to fetch weather data

async function getWeather(city) {

try {

const apiKey = "YOUR\_OPENWEATHERMAP\_API\_KEY"; // Replace with your API key

const response = await fetch(`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`);

const data = await response.json();

if (data.weather) {

return `The weather in ${city} is ${data.weather[0].description} with a temperature of ${data.main.temp}°C.`;

} else {

return "Sorry, I couldn't fetch the weather for that location.";

}

} catch (error) {

return "There was an error fetching the weather data.";

}

}

// Send Message Function

function sendMessage(message) {

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

userMessage.classList.add("message", "user");

userMessage.textContent = "You: " + message;

chatMessages.appendChild(userMessage);

// Bot Response

let botResponse = getBotResponse(message);

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

botMessage.classList.add("message", "bot");

botMessage.textContent = "Bot: " + botResponse;

chatMessages.appendChild(botMessage);

speak(botResponse);

chatMessages.scrollTop = chatMessages.scrollHeight;

}

// Get Bot Response

function getBotResponse(input) {

input = input.toLowerCase();

if (input.includes("your name")) return "I'm the Bowie State Chatbot! 🎓";

if (input.includes("about you")) return "I'm here to assist you with any questions about this webpage or Bowie State University.";

if (input.includes("who is bangalie") || input.includes("summary")) {

return "Bangalie Koroma is a Cyber Analyst and Intrusion Detection Specialist. He specializes in identifying vulnerabilities, mitigating risks, and securing digital systems. He is passionate about cybersecurity and is currently pursuing a Bachelor of Science in Health Technology and Cybersecurity at Bowie State University.";

}

if (input.includes("skills")) {

return "Bangalie's skills include Intrusion Detection & Prevention, Vulnerability Assessment, Risk Mitigation, Firewall Configuration, Python Scripting, and more. Check out the 'About Me' section for details!";

}

if (input.includes("education")) {

return "Bangalie is pursuing a Bachelor of Science in Health Technology and Cybersecurity at Bowie State University, expected to graduate in May 2025.";

}

if (input.includes("resume")) {

return "You can download Bangalie's resume from the 'Resume' section. It includes details about his certifications, experience, and technical skills.";

}

if (input.includes("time") || input.includes("date")) return getCurrentTimeDate();

if (input.includes("weather")) {

const city = input.split("in")[1]?.trim();

return city ? getWeather(city) : "Please specify a city.";

}

return "I'm not sure about that. Try asking about Bangalie's skills, education, projects, or resume!";

}

// Send Message on Enter

chatInput.addEventListener("keypress", function (e) {

if (e.key === "Enter" && chatInput.value.trim() !== "") {

sendMessage(chatInput.value);

chatInput.value = "";

}

});

// Voice Button

voiceButton.addEventListener("click", function () {

if (recognition) {

recognition.start();

}

});

});