FILE 3

// ============ Part 1: Event Handling ============

// Respond to a button click with a message

document.getElementById("clickBtn").addEventListener("click", () => {

document.getElementById("clickMessage").textContent = "You clicked the button! 🎉";

});

// ============ Part 2: Interactive Elements ============

// Dark Mode Toggle

document.getElementById("toggleTheme").addEventListener("click", () => {

document.body.classList.toggle("dark-mode");

});

// Counter Game

let count = 0;

document.getElementById("incrementBtn").addEventListener("click", () => {

count++;

document.getElementById("counter").textContent = count;

});

document.getElementById("resetBtn").addEventListener("click", () => {

count = 0;

document.getElementById("counter").textContent = count;

});

// ============ Part 3: Form Validation ============

document.getElementById("registerForm").addEventListener("submit", function (e) {

e.preventDefault(); // Prevent form from submitting

// Get input values

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

const email = document.getElementById("email").value.trim();

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

// Error elements

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

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

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

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

// Clear previous errors

nameError.textContent = "";

emailError.textContent = "";

passwordError.textContent = "";

formMessage.textContent = "";

let isValid = true;

// Name validation

if (name.length < 2) {

nameError.textContent = "Name must be at least 2 characters.";

isValid = false;

}

// Email validation with RegEx

const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

if (!emailPattern.test(email)) {

emailError.textContent = "Please enter a valid email address.";

isValid = false;

}

// Password validation

if (password.length < 6) {

passwordError.textContent = "Password must be at least 6 characters.";

isValid = false;

}

// If all valid

if (isValid) {

formMessage.textContent = "Form submitted successfully! ✅";

formMessage.style.color = "green";

// Optionally clear form fields

this.reset();

} else {

formMessage.textContent = "Please fix the errors above.";

formMessage.style.color = "red";

}

});