**Source Code:**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

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

**<title>Form</title>**

**<script src="https://cdn.tailwindcss.com"></script>**

**<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>**

**</head>**

**<body class="bg-gray-100 min-h-screen flex items-center justify-center">**

**<form id="myForm" class="bg-white p-8 rounded-lg shadow-md w-96">**

**<h2 class="text-2xl font-bold text-center text-gray-800 mb-6">Registration Form</h2>**

**<div class="mb-4">**

**<label for="name" class="block text-gray-700 text-sm font-semibold mb-2">Name</label>**

**<input type="text" id="name" class="w-full px-3 py-2 border border-gray-300 rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500">**

**<span class="error text-red-500 text-sm" id="nameError"></span>**

**</div>**

**<div class="mb-4">**

**<label for="email" class="block text-gray-700 text-sm font-semibold mb-2">Email</label>**

**<input type="email" id="email" class="w-full px-3 py-2 border border-gray-300 rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500">**

**<span class="error text-red-500 text-sm" id="emailError"></span>**

**</div>**

**<div class="mb-4">**

**<label for="password" class="block text-gray-700 text-sm font-semibold mb-2">Password</label>**

**<input type="password" id="password" class="w-full px-3 py-2 border border-gray-300 rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500">**

**<span class="error text-red-500 text-sm" id="passwordError"></span>**

**</div>**

**<div class="mb-6">**

**<label for="confirmPassword" class="block text-gray-700 text-sm font-semibold mb-2">Confirm Password</label>**

**<input type="password" id="confirmPassword" class="w-full px-3 py-2 border border-gray-300 rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500">**

**<span class="error text-red-500 text-sm" id="confirmPasswordError"></span>**

**</div>**

**<button type="submit" class="w-full bg-blue-500 text-white py-2 px-4 rounded-md hover:bg-blue-600 transition duration-300 font-semibold">Submit</button>**

**</form>**

**<script>**

**$(document).ready(function() {**

**// Clear error messages when input is valid**

**function clearError(inputId, errorId) {**

**$(`#${inputId}`).keyup(function() {**

**var value = $(this).val();**

**if (value.length >= 3) {**

**$(`#${errorId}`).text("");**

**}**

**});**

**}**

**// Clear errors for all fields**

**clearError("name", "nameError");**

**clearError("email", "emailError");**

**clearError("password", "passwordError");**

**clearError("confirmPassword", "confirmPasswordError");**

**// Email validation**

**$("#email").keyup(function() {**

**var email = $(this).val();**

**var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;**

**if (!emailRegex.test(email)) {**

**$("#emailError").text("Please enter a valid email address");**

**} else {**

**$("#emailError").text("");**

**}**

**});**

**// Password validation**

**$("#password").keyup(function() {**

**var password = $(this).val();**

**if (password.length < 6) {**

**$("#passwordError").text("Password must be at least 6 characters long");**

**} else {**

**$("#passwordError").text("");**

**}**

**});**

**// Confirm password validation**

**$("#confirmPassword").keyup(function() {**

**var confirmPassword = $(this).val();**

**var password = $("#password").val();**

**if (confirmPassword !== password) {**

**$("#confirmPasswordError").text("Passwords do not match");**

**} else {**

**$("#confirmPasswordError").text("");**

**}**

**});**

**// Form submission**

**$("#myForm").submit(function(event) {**

**event.preventDefault();**

**// Get form values**

**var name = $("#name").val();**

**var email = $("#email").val();**

**var password = $("#password").val();**

**var confirmPassword = $("#confirmPassword").val();**

**// Validate all fields**

**var isValid = true;**

**var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;**

**if (name.length < 3) {**

**$("#nameError").text("Name must be at least 3 characters long");**

**isValid = false;**

**}**

**if (!emailRegex.test(email)) {**

**$("#emailError").text("Please enter a valid email address");**

**isValid = false;**

**}**

**if (password.length < 6) {**

**$("#passwordError").text("Password must be at least 6 characters long");**

**isValid = false;**

**}**

**if (password !== confirmPassword) {**

**$("#confirmPasswordError").text("Passwords do not match");**

**isValid = false;**

**}**

**if (isValid) {**

**// Create user object**

**const userData = {**

**name: name,**

**email: email,**

**password: password**

**};**

**// Store in localStorage**

**try {**

**localStorage.setItem('userData', JSON.stringify(userData));**

**// Show success message**

**const successMessage = $('<div>')**

**.addClass('mt-4 p-4 bg-green-100 text-green-700 rounded-md')**

**.text('Registration successful!');**

**$("#myForm").append(successMessage);**

**// Clear form**

**$("#myForm")[0].reset();**

**// Remove success message after 3 seconds**

**setTimeout(() => {**

**successMessage.fadeOut(500, function() {**

**$(this).remove();**

**});**

**}, 3000);**

**} catch (error) {**

**const errorMessage = $('<div>')**

**.addClass('mt-4 p-4 bg-red-100 text-red-700 rounded-md')**

**.text('Error saving data. Please try again.');**

**$("#myForm").append(errorMessage);**

**}**

**}**

**});**

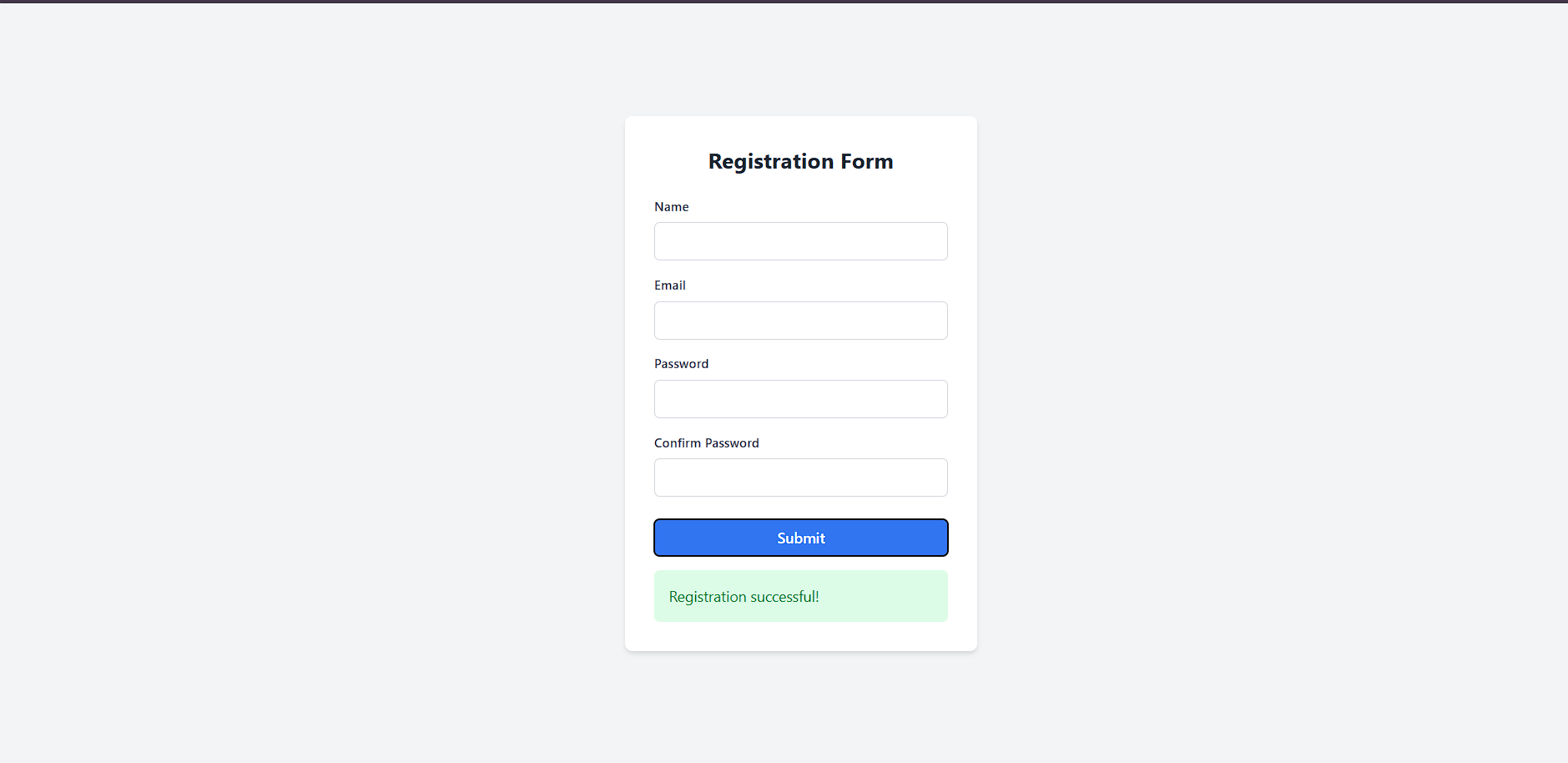
**});**

**</script>**

**</body>**

**</html>**

**Output:**

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