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

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

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

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

const password2 = document.getElementById("password2");

function showError(input, message) {

    const formControl    = input.parentElement;

    formControl.className= "form-control error";

    const small          = formControl.querySelector("small");

    small.innerText      = message;

}

function showSuccess(input) {

    const formControl    = input.parentElement;

    formControl.className= "form-control success";

}

function checkEmail(input) {

    const re = /^[\w-\.]+@([\w-]+\.)+[\w-]{2,4}$/g;

    if (re.test(input.value.trim())) {

        showSuccess(input);

    } else {

        showError(input, "Email is not valid");

    }

}

function getFieldName(input) {

    return input.id.charAt(0).toUpperCase() + input.id.slice(1);

}

function checkRequired(inputArray) {

    inputArray.forEach(function(input) {

        if (input.value.trim() === "") {

            showError(input, `${getFieldName(input)} is required`);

        } else {

            showSuccess(input);

        }

    });

}

function checkLength(input, min, max) {

    if (input.value.length < min) {

        showError(

            input,

            `${getFieldName(input)} must be atleast ${min} characters`

        );

    } else if (input.value.length > max) {

        showError(

            input,

            `${getFieldName(input)} must be less than ${max} characters`

        );

    } else {

        showSuccess(input);

    }

}

function checkPassword(input1, input2) {

    if (input1.value !== input2.value) {

        showError(input2, "Passwords do not match");

    }

}

form.addEventListener("submit", function(e) {

    e.preventDefault();

    checkRequired([username, email, password, password2]);

    checkLength(username, 3, 15);

    checkLength(password, 6, 20);

    checkEmail(email);

    checkPassword(password, password2);

});