Index.html

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<title>Album example for Bootstrap</title>

<!--CSS-->

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

<script src="https://smtpjs.com/v3/smtp.js"></script>

<script src="./script.js" ></script>

</head>

<body>

<div class="main">

<form name="form" onsubmit="event.preventDefault();" id="myform" class="formstyle">

<table class="formtb" >

<tr>

<td>Name: </td>

<td><input type="text" name="name" placeholder="Enter Your Name" id="name" onfocusout="nameFieldHandler()" /></td>

</tr>

<tr>

<td>Email: </td>

<td><input type="email" name="email" placeholder="Enter Your Email" id="email" onfocusout="emailFieldHandler()" /></td>

</tr>

<tr>

<td>Card: </td>

<td><input type="text" name="card" placeholder="Enter a Proxy Credit Card Number." id="card" onfocusout="cardFieldHandler()" /></td>

</tr>

<tr>

<td></td>

<td class="center-content"><button name="submit" id="mySubmit" onclick="sendMailHandler()" >Submit</button></td>

</tr>

</table>

<div id="test"></div>

</form>

</div>

</body>

</html>

style.css

body {

font-family: 'Calibri','Times New Roman', Times, serif;

}

.main {

background-color: rgb(137, 200, 46);

color: rgb(60, 60, 59);

border: 3px solid black;

width: 20%;

padding: 2% 2% 0.8% 2%;

margin: 2%;

border-radius: 30px;

}

.formstyle table{

width: 100%;;

}

.main .formstyle input[type="text"], .main .formstyle input[type="email"] {

width: 100%;

height: 20px;

margin-top: 2px;

margin-bottom: 2px;

}

.formstyle button {

background-color: rgb(231, 0, 100);

border-color: rgb(231, 0, 100);

border-radius: 5px;

padding-left: 10px;

padding-right: 10px;

}

.center-content {

display: flex;

justify-content: center;

}

/\* validation \*/

.DNGreen {

border: 3px solid rgb(137,200,46) ;

}

.DNPink {

border: 3px solid rgb(231, 0, 100);

}

script.js

const validateEmail = (email) => {

return email.match(

/^(([^<>()[\]\\.,;:\s@\"]+(\.[^<>()[\]\\.,;:\s@\"]+)\*)|(\".+\"))@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\])|(([a-zA-Z\-0-9]+\.)+[a-zA-Z]{2,}))$/

);

};

const DNPink = "DNPink";

const DNGreen = "DNGreen"

const formValidationState = {

name: false,

email: false,

card: false,

submit: false

};

const validatePrintableChars = (text) => {

///[!@#$%^&\*()\_+\-=\[\]{};':"\\|,.<>\/?]+/;

var format = /^[\x00-\x7F]+$/;

return (format.test(text));

}

const validateCardLength = (PAN) => {

return (PAN.length >= 16 && PAN.length <= 19)

}

const nameFieldHandler = () => {

var nameElement = document.getElementById("name");

var origName = nameElement.value;

var unspacedName = origName.replace(/\s+/g, '');

if(!(unspacedName.length >= 5)){

nameElement.className = DNPink;

}

else if(!validatePrintableChars(origName)){

nameElement.className = DNPink;

}

else {

nameElement.className = DNGreen;

formValidationState.name = true;

}

return;

}

const emailFieldHandler = () => {

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

if(!validateEmail(email.value)){

email.className = DNPink;

}

else if(!validatePrintableChars(email.value)){

email.className = DNPink;

}

else {

email.className = DNGreen;

formValidationState.email = true;

}

return;

}

const cardFieldHandler = () => {

let card = document.getElementById("card");

cardPAN = card.value.replace(/\s+/g, '');

cardPAN = cardPAN.replace("-", '');

//card.value = cardPAN; //could replace all spaces with hyphen, or split into 4 sections: for uniformity

if(!validatePrintableChars(cardPAN)){

card.className = DNPink;

}

else if(!validateWithLuhnAlg(cardPAN)){

card.className = DNPink;

}

else {

card.className = DNGreen;

formValidationState.card = true;

}

return

}

const validateWithLuhnAlg = num => {

if (!num || num == 0) return false;

else if (/[^0-9-\s]+/.test(num)) return false;

let arr = (num + '')

.split('')

.reverse()

.map(x => parseInt(x));

let lastDigit = arr.splice(0, 1)[0];

let sum = arr.reduce((acc, val, i) => (i % 2 !== 0 ? acc + val : acc + ((val \* 2) % 9) || 9), 0);

sum += lastDigit;

return sum % 10 === 0;

};

const validateForm = () => {

if(!formValidationState.name) {

alert("Enter a valid name");

return false;

}

else if(!formValidationState.email){

alert("Enter a valid email address");

return false;

}

else if (!formValidationState.card) {

alert("Enter a valid Card Number");

return false;

}

return true;

}

const sendMail = (from, to, subject,msg) => Email.send({

SecureToken : "apiToken",

To : to,

From : from,

Subject : subject,

Body : msg

}).then(

message => alert(message)

);

const sendMailHandler = () => {

if(!validateForm) return false;

var msg = "<h1>Form Details</h1>"

+ "<p>Name: " + document.getElementById("name").value + "</p>"

+ "<p>Email: " + document.getElementById("email").value + "</p>"

+ "<p>Card PAN: " + document.getElementById("card").value + "</p>";

sendMail(

"test@gmail.com",

"test@dn-uk.com",

"Validated Form",

msg

);

}