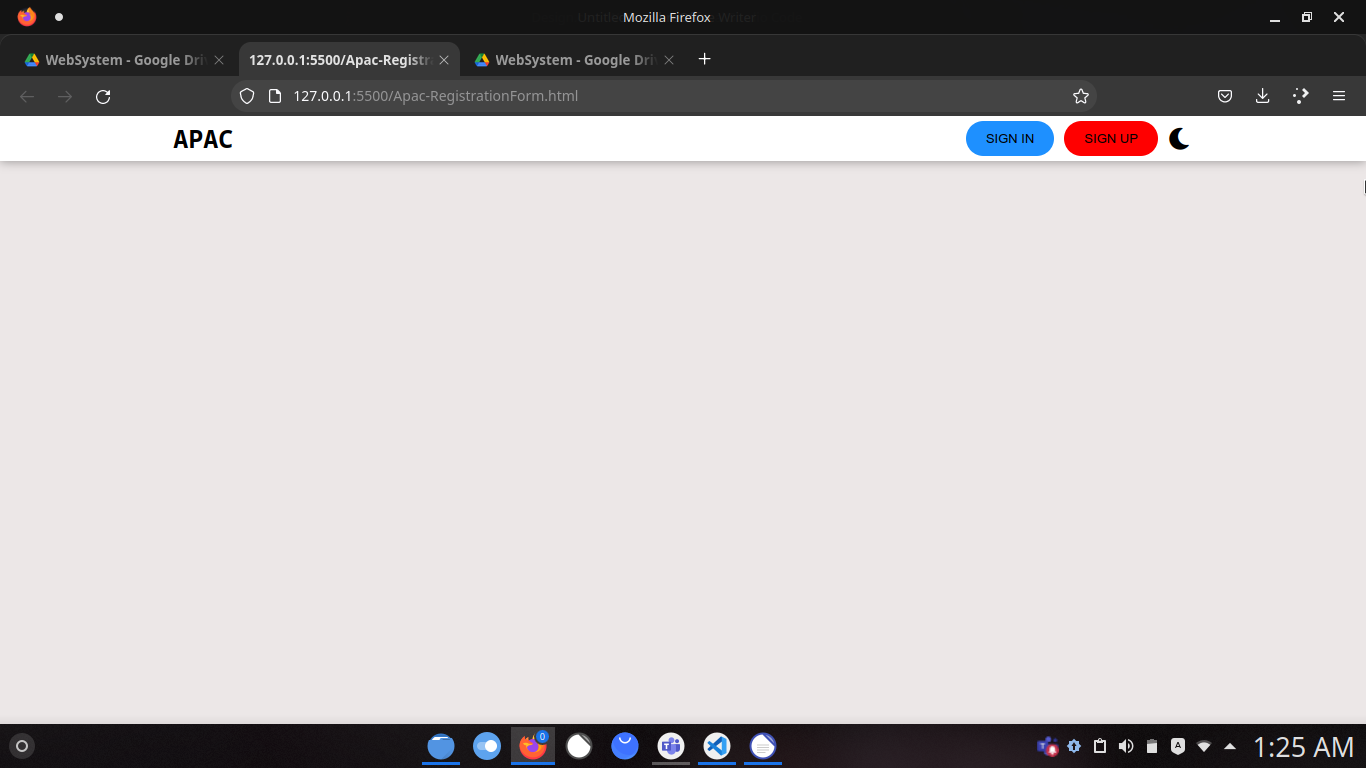
Apac, Jessie V.

Machine Problem 1

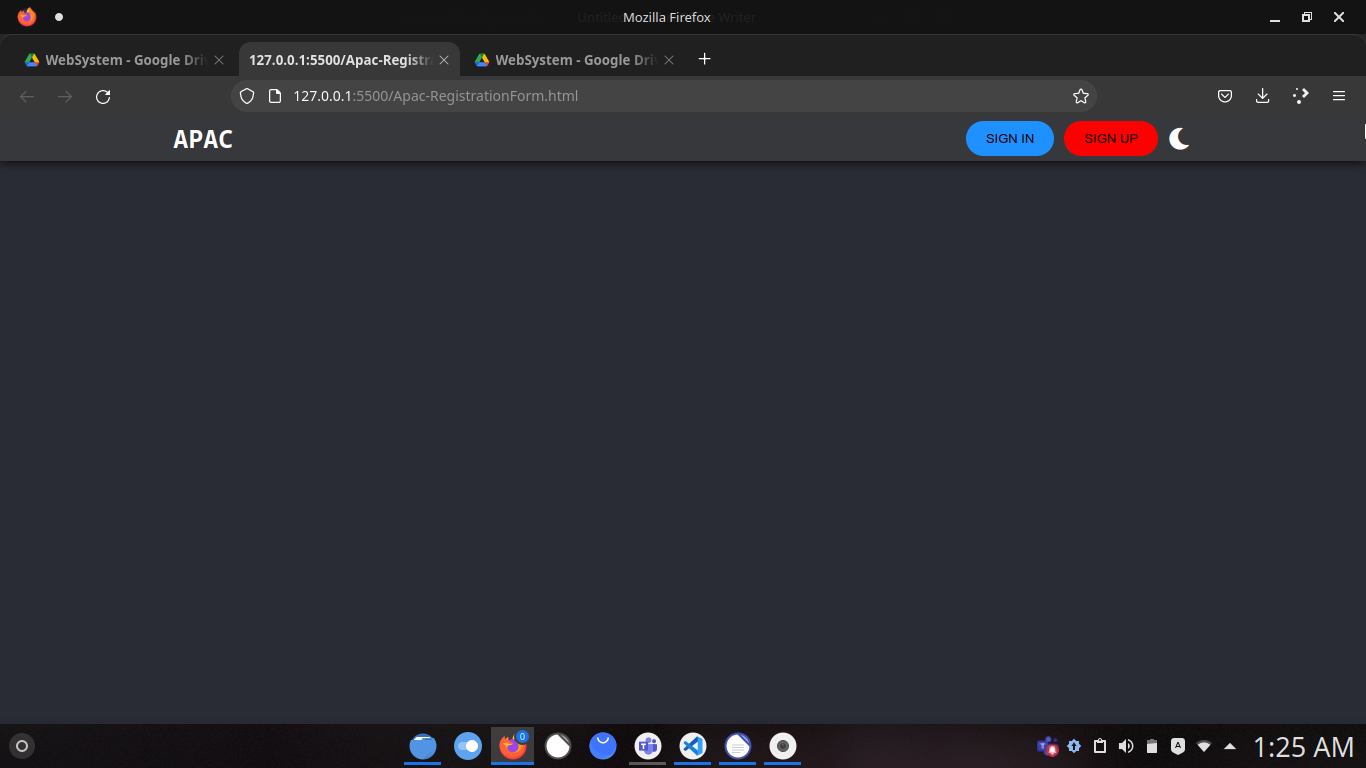
As a Computer Science student, I like to challenge myself. Thus, I did not only create registration form nor sign in form I also create a dark mode feature with a slide animation. Not only that I use a Data Structure in JavaScript to save the required information to login the account. This is only the Demo or a preview to the said website. But I can assure you that I can create it with server-side database and many more.

**OUTPUT**

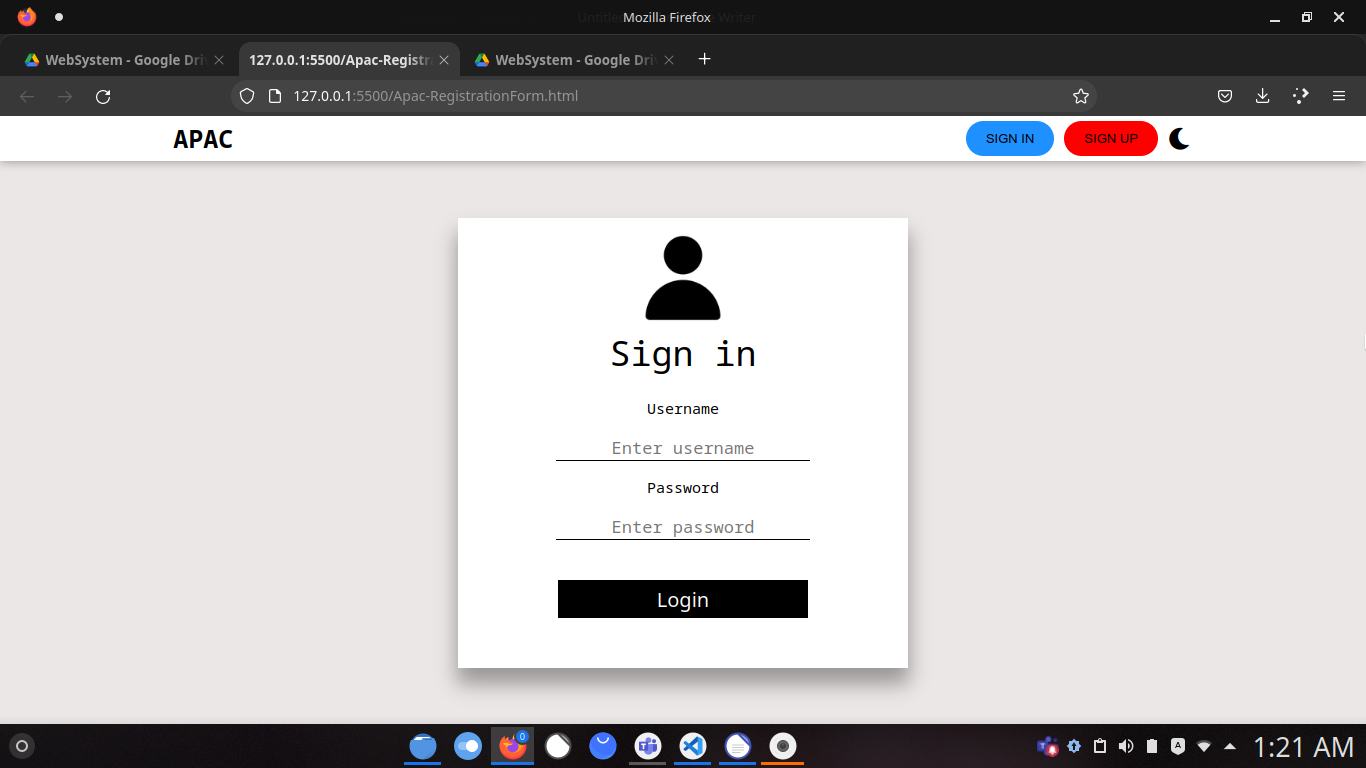
HOMEPAGE (DAY)



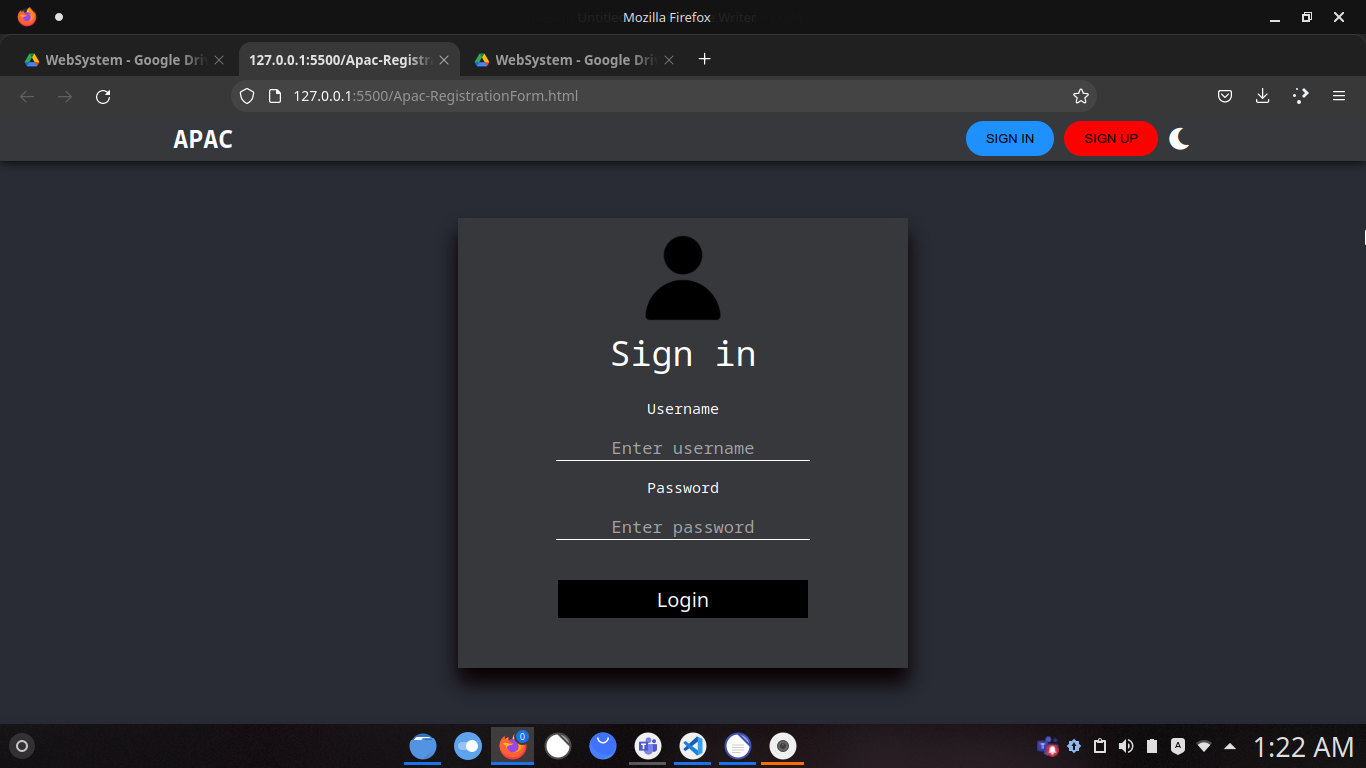
HOMEPAGE (NIGHT)



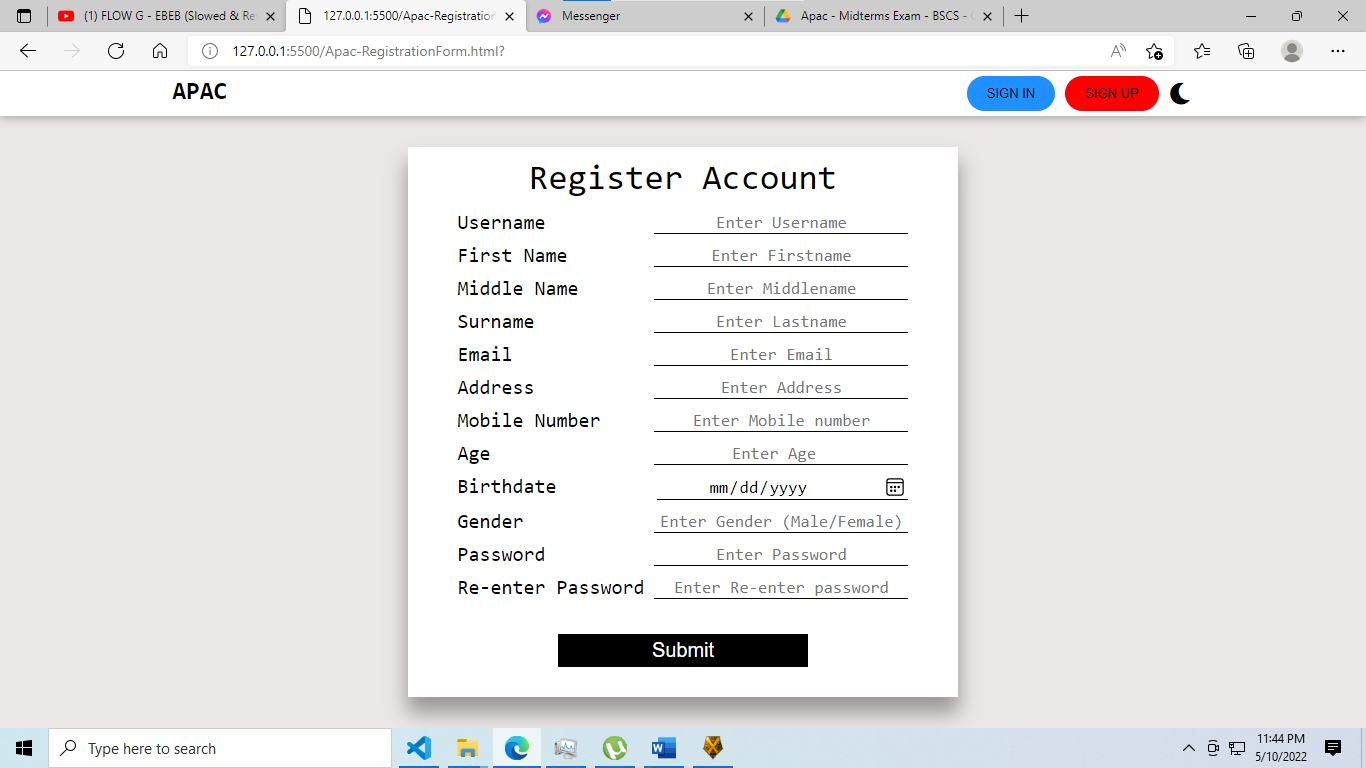
SIGN IN (DAY)



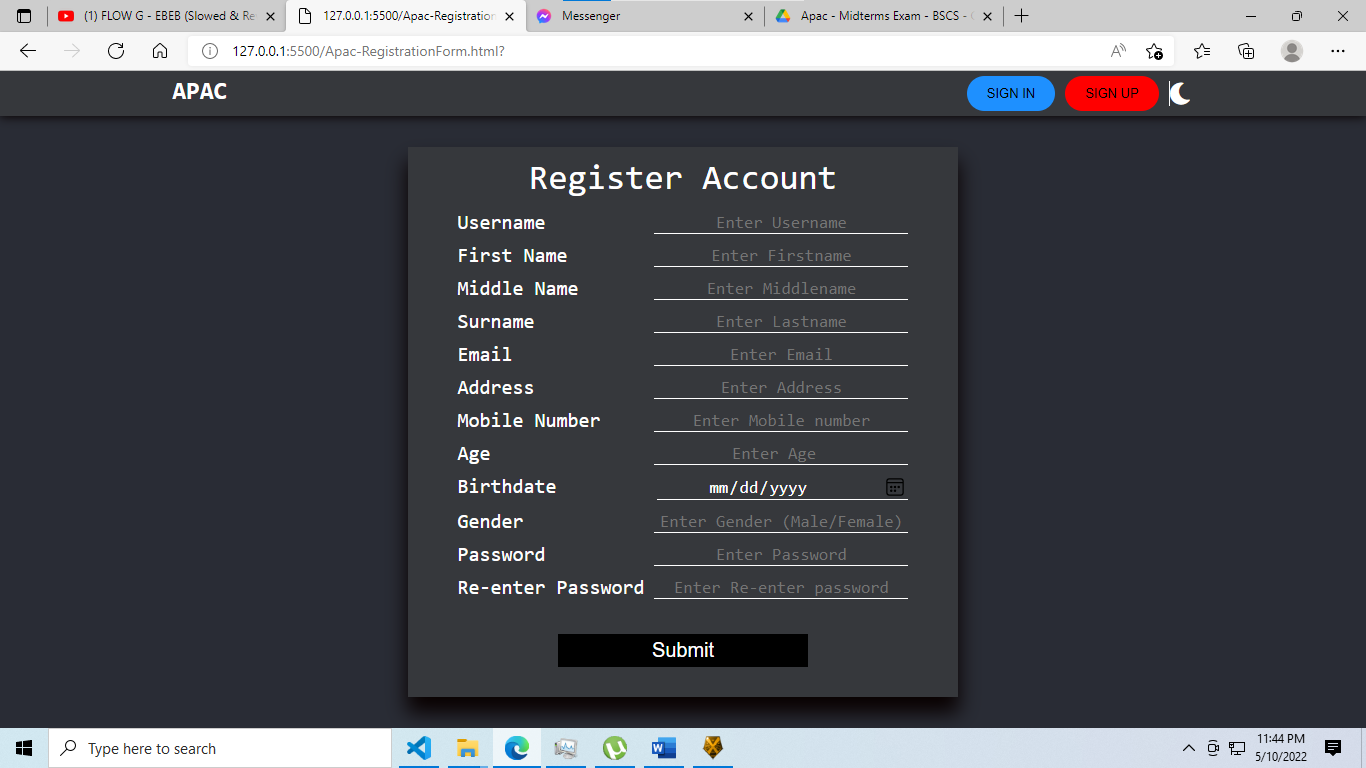
SIGN IN (NIGHT)



SIGN UP (DAY)



SIGN UP (NIGHT)



SOURCE CODE

Source code has great length and it will mess up the DOC file. Thus, it will be better to open the file. better to just download the folder and open the html file. Not only you experience the webpage i made. Also you will wonder how i made it and solve a problem at the sametime while creating it.

HTML SOURCE CODE

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <link rel="stylesheet" href="Design.css">

    <script src="https://kit.fontawesome.com/9293cada29.js" crossorigin="anonymous"></script>

    <script rel="module" src="Validation.js" defer></script>

</head>

<body>

    <nav class="navbar">

        <div class="logo">

            <p>APAC</p>

        </div>

        <div class="mode">

        </div>

        <div class="link">

            <ul>

                <div class="btnlink"></div>

                <button class="sign in">SIGN IN</button>

                <button class="sign up">SIGN UP</button>

                <i class="fas fa-moon" onclick="myIcon(this)"></i>

            </ul>

        </div>

    </nav>

    <div class="user-container">

        <form class="formbox">

            <div class="formhead">

                <img class="user" src="user.png">

                <p>Sign in</p>

                <div class="login">

                    <label for="username">Username</label>

                    <input class="input" id="username" type="text" placeholder="Enter username" required>

                    <label for="password">Password</label>

                    <input class="input" id="password" type="password" placeholder="Enter password" required>

                </div>

                <button class="btn-login" type="button">Login</button>

            </div>

        </form>

        <form class="regbox">

            <div class="formhead">

                <p>Register Account</p>

                <div class="reg">

                    <div class="row">

                        <label>Username</label>

                        <input class="input" id="reguser" type="text" placeholder="Enter Username" required>

                    </div>

                    <div class="row">

                        <label>First Name</label>

                        <input class="input" id="regfname" type="text" placeholder="Enter Firstname" required>

                    </div>

                    <div class="row">

                        <label>Middle Name</label>

                        <input class="input middle" id="regmname" type="text" placeholder="Enter Middlename" required>

                    </div>

                    <div class="row">

                        <label>Surname</label>

                        <input class="input" id="reglname" type="text" placeholder="Enter Lastname" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Email</label>

                        <input class="input" id="regemail" type="email" placeholder="Enter Email" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Address</label>

                        <input class="input" id="regbplace" type="text" placeholder="Enter Address" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Mobile Number</label>

                        <input class="input" id="regnum" type="text" placeholder="Enter Mobile number" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Age</label>

                        <input class="input" id="regage" type="number" placeholder="Enter Age" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Birthdate</label>

                        <input class="input" id="regbday" type="date" placeholder="Birthday (MM/DD/YY)" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Gender</label>

                        <input class="input" id="reggender" type="text" placeholder="Enter Gender (Male/Female)" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Password</label>

                        <input class="input" id="regpw" type="password" placeholder="Enter Password" required>

                    </div>

                    <div class="row">

                        <label for="reguser">Re-enter Password</label>

                        <input class="input" id="regrpw" type="password" placeholder="Enter Re-enter password" required>

                    </div>

            </div>

            <button class="btn-reg" type="button">Submit</button>

        </form>

    </div>

</body>

</html>

CSS SOURCE CODE

body{

    transition: .5s linear;

    display: flex;

    flex-direction: column;

    margin: 0px;

    padding: 0;

    height: 100vh;

    background-color: rgb(236, 231, 231);

    font-family: monospace;

    overflow: hidden;

}

.navbar{

    transition: .5s linear;

    display: flex;

    justify-content: space-around;

    width: 100%;

    height: 45px;

    margin: 0px;

    font-size: 25px;

    background-color: #fff;

    box-shadow: 0px 1px 10px rgb(153, 150, 150);

}

.logo p{

    font-weight: 700;

}

ul, .logo p{

    margin-top: 5px;

}

ul{

    display: flex;

    gap: 10px;

    text-decoration: none;

    list-style-type: none;

}

.sign{

    font-family: Arial, Helvetica, sans-serif;

    padding: 10px 20px;

    border: none;

    border-radius: 4rem;

    background-color: dodgerblue;

    font-size: 13px;

}

.sign:hover{

    cursor: pointer;

}

.sign:active{

    transition: .5ms ease;

    background-color: #BAD;

}

.up{

    background-color: red;

}

.user-container{

    height: 100%;

    display: flex;

    align-items: center;

    box-sizing: border-box;

    justify-content: center;

}

.formbox{

    margin-left: 5000px;

    overflow: hidden;

    transform: scale(0);

    flex-direction: column;

    align-items: center;

    background-color: #fff;

    box-shadow: 0 15px 20px 1px rgb(153, 150, 150);

    width: 450px;

    height: 450px;

}

.regbox{

    margin-left: 5000px;

    overflow: hidden;

    text-align: center;

    transform: scale(0);

    flex-direction: column;

    align-items: center;

    background-color: #fff;

    box-shadow: 0 15px 20px 1px rgb(153, 150, 150);

    width: 550px;

    height: 550px;

}

.show{

    z-index: 99;

    transition: .5s ease;

    display: flex;

    margin-left: 0px;

    transform: scale(1);

}

.hide{

    transition: .5s ease;

    transform: scale(0);

    margin-left: 5000px;

}

.formhead{

    padding: 10px;

    display: flex;

    flex-direction: column;

    align-items: center;

    margin: 0;

}

.formhead p{

    margin: 0;

    padding: 0;

    font-size: 35px;

}

.user{

    padding: 0;

    margin: 0;

    width: 100px;

}

.login{

    margin-top: 20px;

    display: flex;

    flex-direction: column;

    align-items: center;

    gap: 15px;

}

.login label{

    font-size: 15px;

}

.input{

    font-family: monospace;

    font-size: 17px;

    text-align: center;

    outline: none;

    border: none;

    border-bottom: 1px solid black;

    background-color: transparent;

    width: 250px;

}

.btn-login, .btn-reg{

    margin-top: 40px;

    width: 250px;

    padding: 5px;

    border: none;

    background-color: black;

    color: white;

    font-size: 20px;

}

.btn-reg{

    margin-top: 35px;

}

.fas{

    padding: 5px 0 0 0;

    transition: all .5ms ease;

    color: #000;

}

.fas:hover{

    cursor: pointer;

}

.moon{

    color: #fff;

}

.dark{

    background-color: #292C35;

}

.nav-dark{

    background-color: rgba(68, 67, 67, 0.5);

    color: white;

    box-shadow:0px 1px 10px rgb(8, 0, 0);

}

.form-dark{

    background-color: rgba(68, 67, 67, 0.5);

    box-shadow: 0 15px 20px 1px rgb(8, 0, 0);

    color: White;

}

.input-dark{

    border-bottom: 1px solid white;

    color: white;

}

.reg{

    text-align: left;

    display: grid;

    grid-template-columns: max-content;

    flex-direction: column;

    gap: 10px;

}

.regbox p{

    margin-bottom: 13px;

}

.regbox label{

    font-size: 20px;

}

.row{

    display: flex;

    justify-content: space-between;

    gap: 10px;

}

.regbox button:hover{

    cursor: pointer;

}

.formbox button:hover{

    cursor: pointer;

}

JS SOURCE CODE

const signIn = document.querySelector('.in');

const signUp = document.querySelector('.up')

const formBox = document.querySelector('.formbox')

const regBox = document.querySelector('.regbox')

const nav = document.querySelector('.navbar')

const input = document.querySelectorAll('.input')

const submit = document.querySelector('.btn-reg')

const login = document.querySelector('.btn-login')

const logusr = document.querySelector('#username')

const logpw = document.querySelector('#password')

//data

const username = document.querySelector('#reguser');

const fName = document.querySelector("#regfname")

const mName = document.querySelector("#regmname")

const lName = document.querySelector("#reglname")

const email = document.querySelector("#regemail")

const num = document.querySelector("#regnum")

const regAge = document.querySelector("#regage")

const bDay = document.querySelector("#regbday")

const bPlace = document.querySelector("#regbplace")

const gender = document.querySelector("#reggender")

const pw = document.querySelector("#regpw")

const rpw = document.querySelector("#regrpw")

let shown = false;

let shown2 = false;

let regON = false;

let logON = false;

function DataStructure(){

    this.username = null;

    this.password = null;

}

let data = []

for(let i = 0; i < 10; i++){

    data.push(new DataStructure)

}

data[0].username = "admin"

data[0].password = "123"

let id = 1

signIn.addEventListener('click', () => {

    if(shown == false){

        if(regON == true){

            regBox.classList.add('hide')

            regBox.classList.remove("show")

        }

        formBox.classList.add('show')

        formBox.classList.remove('hide')

        formBox.style.position = "absolute"

        shown = true;

        logON = true;

    }

    else if(shown == true){

        formBox.classList.add('hide')

        formBox.classList.remove('show')

        shown = false;

        logON = false;

    }

})

signUp.addEventListener('click', () => {

    if(shown2 == false){

        if(logON == true){

            formBox.classList.add('hide')

            formBox.classList.remove("show")

        }

        regBox.classList.add('show')

        regBox.classList.remove('hide')

        regBox.style.position = "absolute"

        shown2 = true;

        regON = true

    }

    else if(shown2 == true){

        regBox.classList.add('hide')

        regBox.classList.remove('show')

        shown2 = false;

        regON = false

    }

})

function myIcon(x){

    x.classList.toggle("moon")

    document.body.classList.toggle("dark")

    nav.classList.toggle('nav-dark')

    formBox.classList.toggle('form-dark')

    regBox.classList.toggle('form-dark')

    input.forEach(x => x.classList.toggle('input-dark') )

}

//Validation

submit.addEventListener('click', (e) => {

    if(String(username.value).length < 8){

        alert("Username should be 8 characters long!")

    }

    else if(!String(email.value).includes("@") && !String(email.value).includes(".com")){

        alert("Invalid Email address!")

    }

    else if(!String(pw.value).match(String(rpw.value))){

        alert("Password does not match!")

    }

    else if(isNaN(num.value)){

        alert("Mobile number is not valid!")

    }

    else{

        alert("Registration Success")

        data[id].username = username.value;

        data[id].password = pw.value

        id++

    }

})

login.addEventListener('click', (e) => {

    for(let i = 0; i < data.length; i++){

        if(String(logusr.value) == data[i].username && String(logpw.value) == data[i].password){

            alert("Login Succesful")

            return

        }

    }

    alert("Login Failed")

})

P.S all source code is made by me, no code has been gotten on the internet.