**Lab Assignment – 3**

**Create a form using HTML , CSS and Javascript**

**Code -HTML:**

<html>

<head>

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

  <title>Lab 3</title>

</head>

<body>

    <section>

        <div class="form-box">

            <div class="form-value" id="loginForm">

                <form action="">

                    <h2>Login</h2>

                    <div class="inputbox email">

                        <ion-icon name="mail-outline"></ion-icon>

                        <input type="email" required>

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

                    </div>

                    <div class="inputbox password">

                        <ion-icon name="lock-closed-outline"></ion-icon>

                        <input type="password" required required pattern="^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*\d)(?=.\*[@$!%\*?&])[A-Za-z\d@$!%\*?&]{8,}$">

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

                    </div>

                    <div class="forget">

                        <label for=""><input type="checkbox">Remember Me  <a href="#">Forget Password</a></label>

                    </div>

                    <button>Log in</button>

                    <div class="register">

                        <p>Don't have a account <a href="#">Register</a></p>

                    </div>

                </form>

            </div>

        </div>

    </section>

    <script src="script.js"></script>

    <script type="module" src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>

    <script nomodule src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>

</body>

</html>

**Code-CSS:**

@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap');

\*{

    margin: 0;

    padding: 0;

    font-family: 'poppins',sans-serif;

}

section{

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

    width: 100%;

    background: url('backgroundpic.jpg')no-repeat;

    background-position: center;

    background-size: cover;

}

.form-box{

    position: relative;

    width: 400px;

    height: 450px;

    background: transparent;

    border: 2px solid rgba(255,255,255,0.5);

    border-radius: 20px;

    backdrop-filter: blur(15px);

    display: flex;

    justify-content: center;

    align-items: center;

}

h2{

    font-size: 2em;

    color: #fff;

    text-align: center;

}

.inputbox{

    position: relative;

    margin: 30px 0;

    width: 310px;

    border-bottom: 2px solid #fff;

}

.inputbox label{

    position: absolute;

    top: 50%;

    left: 5px;

    transform: translateY(-50%);

    color: #fff;

    font-size: 1em;

    pointer-events: none;

    transition: .5s;

}

input:focus ~ label,

input:valid ~ label{

top: -5px;

}

.inputbox input {

    width: 100%;

    height: 50px;

    background: transparent;

    border: none;

    outline: none;

    font-size: 1em;

    padding:0 35px 0 5px;

    color: #fff;

}

.inputbox ion-icon{

    position: absolute;

    right: 8px;

    color: #fff;

    font-size: 1.2em;

    top: 20px;

}

.forget{

    margin: -15px 0 15px ;

    font-size: .9em;

    color: #fff;

    display: flex;

    justify-content: space-between;

}

.forget label input{

    margin-right: 3px;

}

.forget label a{

    color: #fff;

    text-decoration: none;

}

.forget label a:hover{

    text-decoration: underline;

}

button{

    width: 100%;

    height: 40px;

    border-radius: 40px;

    background: #fff;

    border: none;

    outline: none;

    cursor: pointer;

    font-size: 1em;

    font-weight: 600;

}

.register{

    font-size: .9em;

    color: #fff;

    text-align: center;

    margin: 25px 0 10px;

}

.register p a{

    text-decoration: none;

    color: #fff;

    font-weight: 600;

}

.register p a:hover{

    text-decoration: underline;

}

**Code-Javascript:**

document.getElementById("loginForm").addEventListener("submit", function(event) {

    var emailInput = document.querySelector(".email input").value;

    var passwordInput = document.querySelector(".password input").value;

    if (!isValidEmail(emailInput)) {

        alert("Please enter a valid email address in the format <letters><8-digit-number>@snuchennai.edu.in.");

        event.preventDefault();

    }

    if (!isValidPassword(passwordInput)) {

        alert("Please enter a valid password with at least 8 characters, including at least one special character, one uppercase letter, one lowercase letter, and one number.");

        event.preventDefault();

    }

});

function isValidEmail(email) {

    var emailPattern = /^[A-Za-z]+[0-9]{8}@snuchennai\.edu\.in$/;

    return emailPattern.test(email);

}

function isValidPassword(password) {

    if (!/^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*\d)(?=.\*[@$!%\*?&])[A-Za-z\d@$!%\*?&]{8,}$/.test(password)) {

        var proceed = confirm("Your password does not meet the required criteria. Do you want to proceed anyway?");

        return proceed;

    }

    return true;

}

var userName = prompt("Please enter your name:");

if (userName) {

    alert("Welcome, " + userName + "! You can now log in.");

}

**Output Screenshots :**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer error

Description automatically generated**

**A screenshot of a login screen

Description automatically generatedA screenshot of a computer

Description automatically generated**

**A screenshot of a login screen

Description automatically generated**