**Online Learning Platform Using Html And Css**

1.Case\_Study.Html:-

This HTML document creates a case study webpage titled "Syntax Galaxy." Below is an overview of the essential tags and their purpose.

* ul: A horizontal navigation menu with no bullet points, gray background, and bold, white text.
* **Links (**<a>**)**: Styled with no text decoration and white color, blending with the navigation bar.
* <a> **(Anchor Tags)**: Links for navigation between pages.
* <ul>: A navigation bar with menu items linking to different pages (Home, Login, Sign Up, Dashboard).

**Code:-**

<html>

<head>

<title>casestudy</title>

<style>

h1{

text-align: center;

color:black;

padding-top: 3%;

font-size:500%;

font-family: "Brush Script MT", cursive;

font-style: italic;

}

body{

background-color:burlywood;

background-image:url(orange);

background-repeat: no-repeat;

background-size: cover;

color: white;

}

ul{

list-style-type: none;

background-color: grey;

overflow: hidden;

}

ul li{

float: left;

padding:12px 15px;

font-size: 150%;

font-weight: bold;

color: white;

}

h2{

text-align: center;

text-transform: capitalize;

padding-top: 4%;

font-family:'Cedarville Cursive';

font-style: italic;

color:black;

}

a{

text-decoration:none;

color: white;

}

h3{

color:black;

font-size:200%;

font-family: "Lucida Handwriting", cursive;

}

</style>

</head>

<body>

<h1>Syntax Galaxy</h1>

<center>

<h3>Explore the Infinite World Of Coding</h3>

</center>

<ul>

<li><a href="study.html">Home&nbsp;&nbsp;|</li>

<li><a href="pagelo.html">Login&nbsp;&nbsp|</a></li>

<li><a href="regcas.html">Sign Up&nbsp;&nbsp;|</li>

<li><a href="dash.html">Dash Board&nbsp;&nbsp;|</li>

<li>About Us&nbsp;&nbsp;|</li>

</ul>

<h2>ELearning shouldn’t be a casual joy ride on a Sunday afternoon.. <br><br>

with the cruise control engaged. The sole purpose of eLearning is to teach.<br><br>- Christopher Palm</h2>

</body>

</html>

2.Login.Html:-

**Button:**

* A hover effect changes the button's color for interactivity.

**Java Script Validation:**

**1.Username Validation**:

* A regex checks if the username contains 5-20 alphanumeric characters (including underscores).
* If invalid, an error message is displayed next to the input field.

**2.Password Validation**:

* A regex checks if the password has at least 6 characters (letters or numbers).
* If invalid, an error message is displayed next to the password input.

**Code:-**

<html>

<head>

<title>Login Page</title>

<style>

body {

background-image: url('logop');

background-position: center;

font-family: Arial, sans-serif;

display: flex;

justify-content:flex-start;

align-items:center;

}

.login {

width: 30%;

padding: 20px 20px;

margin: 8px 20px;

display: inline-block;

text-align: left;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

background-color:rgb(245, 202, 242)

}

.error {

color: red;

font-size: 12px;

text-align: left;

}

input {

padding: 8px;

margin: 8px 0;

width: 80%;

border: 1px solid #ccc;

border-radius: 4px;

text-align: left;

}

button {

padding: 10px 20px;

background-color: #4CAF50;

border-radius: 4px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

h1 {

text-align: center;

margin-bottom: 20px;

}

</style>

</head>

<body>

<div class="login">

<h1>LOGIN</h1>

<b>Username:</b> <input type="text" id="username" name="username" required><br><br>

<span id="usernameError" class="error"></span><br>

<b>Password:</b> <input type="password" id="password" name="password" required><br><br>

<span id="passwordError" class="error"></span><br>

<center>

<button type="submit" onclick="validateForm()">Login</button>

</center>

</div>

<script>

function validateForm() {

document.getElementById('usernameError').textContent = "";

document.getElementById('passwordError').textContent = "";

const usernameRegex = /^[a-zA-Z0-9\_]{5,20}$/;

const passwordRegex = /^[A-Za-z\d]{6,}$/;

const username = document.getElementById('username').value;

const password = document.getElementById('password').value;

let isValid = true;

if (!usernameRegex.test(username)) {

document.getElementById('usernameError').textContent = "Invalid username. Use 5-20 characters.";

isValid = false;

}

if (!passwordRegex.test(password)) {

document.getElementById('passwordError').textContent = "Password must be at least 6 characters.";

isValid = false;

}

if (isValid) {

alert("Login successful!");

}

}

</script>

</body>

</html>

3.SignUp.Html:-

#### ****JavaScript Validation****:

The form includes a valfor() function that validates the input fields when the form is submitted:

* **Username**: The username must be between 5 and 15 alphanumeric characters (^[a-zA-Z0-9\_]{5,15}$).
* **Email**: The email format is validated using a regular expression (^[^\s@]+@[^\s@]+\.[^\s@]+$).
* **Password**: The password must be at least 8 characters long (^[a-zA-Z0-9\_]{8,}$).
* **Phone Number**: Must be exactly 10 digits (^\d{10}$).
* If any field fails validation, an alert is shown, and form submission is halted. If all validations pass, the user is alerted that the registration is successful.

**Code:-**

<html>

<head>

<title>Registration Form</title>

<style>

body {

background-image: url('regca');

background-size: cover;

background-position: center;

font-family: Arial, sans-serif;

}

.reg {

width: 30%;

padding: 12px 20px;

margin: 8px auto; /\* Center the form on the page \*/

display: inline-block;

border:2px solid black;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

background-color: rgb(222, 230, 243)

}

</style>

<script>

function valfor() {

let username = document.getElementById("username").value;

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

let password = document.getElementById("password").value;

let phone = document.getElementById("phone").value;

let ure = /^[a-zA-Z0-9\_]{5,15}$/;

let ere = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

let passre = /^[a-zA-Z0-9\_]{8,}$/;

let phre = /^\d{10}$/;

if (!ure.test(username)) {

alert("Username must be 5-15 characters long.");

return false;

}

if (!ere.test(email)) {

alert("Please enter a valid email address.");

return false;

}

if (!passre.test(password)) {

alert("Password must be at least 8 characters long.");

return false;

}

if (!phre.test(phone)) {

alert("Phone number must be 10 digits long.");

return false;

}

alert("Registration successful!");

return true;

}

</script>

</head>

<body>

<center>

<h1 style="text-align: center; color: white;">SIGN UP</h1>

<div class="reg">

<form onsubmit="return valfor()">

<b>

USERNAME : <input type="text" id="username" name="username"><br><br>

<br><br>

EMAIL-ID : <input type="text" id="email" name="email"><br><br>

<br><br>

PASSWORD : <input type="password" id="password" name="password"><br><br>

<br><br>

DOB : <input type="date" id="dob" name="dob"><br><br>

<br><br>

GENDER : <input type="radio" name="gen">MALE

<input type="radio" name="gen">FEMALE<br><br>

<br><br>

PHONENUMBER : <input type="text" id="phone" name="phone"><br><br>

<br><br>

ADDRESS : <input type="textarea" id="add" name="add"><br><br>

<br><br>

<input type="submit" value="Register">

</b>

</form>

</div>

</center>

</body>

</html>

4.DashBoard.Html:-

#### ****Navigation Bar (Dropdowns)****:

* An unordered list (<ul>) creates a navigation bar with dropdowns for **Courses**, **Quizzes**, and **Progress**.
* The dropdown menus (<select> elements) allow users to choose various options related to each section.
* **Courses** include Python, Java, Full Stack Development (FSD), and Data Structures and Algorithms (DSA).
* **Quizzes** include Test-1, Test-2, and Test-3

**Code:-**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Courses</title>

<style>

body {

background-color: burlywood;

font-family: Arial, sans-serif;

}

h1 {

text-align: center;

}

ul {

list-style-type: none;

overflow: hidden;

background-color: chocolate;

padding: 10px 0;

}

select {

float: left;

padding: 15px;

font-weight: bold;

font-size: large;

background-color: chocolate;

color: white;

border: none;

}

.course-card {

background-color: white;

border-radius: 5px;

padding: 20px;

margin: 20px auto;

box-shadow: 0 2px 5px rgba(0,0,0,0.1);

width: 80%;

}

.course-title {

font-size: 24px;

}

.course-description {

margin: 10px 0;

}

.enroll-button {

background-color: chocolate;

padding: 10px;

cursor: pointer;

border-radius: 5px;

color: white;

border: none;

}

.enroll-button:hover {

background-color: darkorange;

}

</style>

</head>

<body>

<h1>LEARN WITHOUT LIMITS</h1>

<ul>

<li>

<select>

<option>COURSES</option>

<option>Python</option>

<option>Java</option>

<option>FSD</option>

<option>DSA</option>

</select>

</li>

<li>

<select>

<option>QUIZZES</option>

<option>Test-1</option>

<option>Test-2</option>

<option>Test-3</option>

</select>

</li>

<li>

<select>

<option>PROGRESS</option>

</select>

</li>

</ul>

<div class="course-card">

<h2 class="course-title">Python for Beginners</h2>

<p class="course-description">Learn the basics of Python programming from scratch. Perfect for beginners!</p>

<button class="enroll-button">Enroll Now</button>

</div>

<div class="course-card">

<h2 class="course-title">Java Programming</h2>

<p class="course-description">Master Java programming and build robust applications. Suitable for all levels!</p>

<button class="enroll-button">Enroll Now</button>

</div>

<div class="course-card">

<h2 class="course-title">Full Stack Development</h2>

<p class="course-description">Become a full-stack developer by learning front-end and back-end technologies.</p>

<button class="enroll-button">Enroll Now</button>

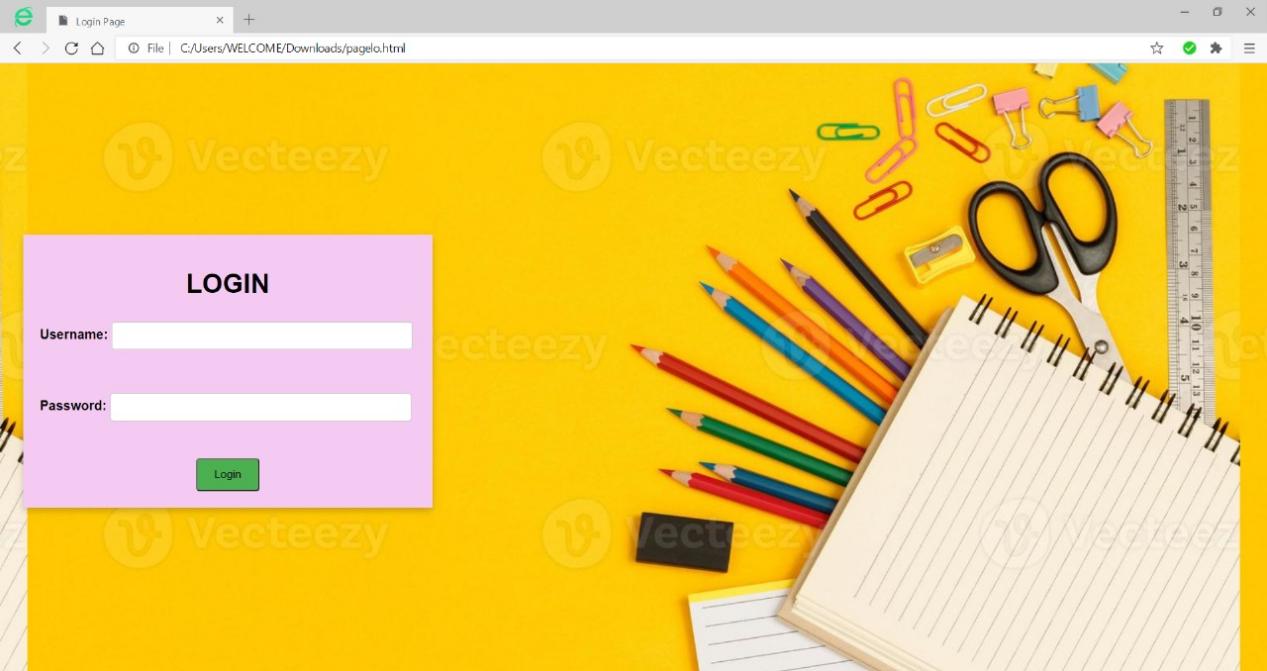
</div>

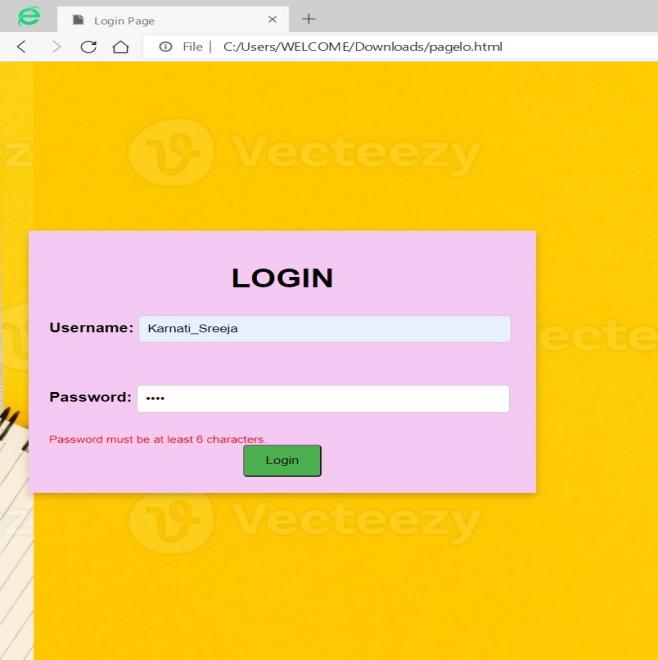
</body>

</html>

**OUTPUT:-**

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