**CSA43 INTERNET PROGRAMMING LAB MANUAL**

**1) Design a Home Page for Library Management System**

# HTML Code: home.html

<html>

<head>

<title>Library Management System</title>

<link rel="stylesheet" href="style\_main.css">

</head>

<body>

<header id="top">

<nav>

<ul>

<li><a href="#home">Home</a></li>

<li><a href="#register">Register</a></li>

<li><a href="#login">Login</a></li>

<li><a href="#contact">Contact</a></li>

</ul>

</nav>

</header>

<section id="home">

<center>

<img src="book.jfif" alt="about library">

<h2>Library Management System</h2>

</div>

</section>

</body>

</html>

**CSS file:** style\_main.css

\*{ padding: 0; margin: 0;

} body

{

overflow:hidden; } header{ background-color:cyan; height: 45px; }

header nav ul{ display: flex; padding-top:10px; margin-top:0; margin-left: 50%; list-style: none; } header nav ul li{ padding-left: 10%; font-size:1.5em; } header a{ text-decoration: none; color: brown; } section{ height: 100vh; border: 1px solid grey; display: flex; justify-content: center; align-items: center;

}

img{ height: 300px; border-radius: 50%; border: 12px solid rgb(255, 85, 0); padding: 10px 10px 20px 20px;

margin: 20px 20px 15px 10px;

} h2

{ margin: 20px 20px 15px 10px; font-size:3em; }

#home { background-color: pink;

}

# To Design a Registration Form

**HTML File:** Register.html

<html>

<head>

<title>Registration Form</title>

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

</head>

<body>

<div class="container">

<h2>Registration Form</h2>

<form>

<input type="text" name="name" placeholder="Your Name" id="name" required>

<input type="text" name="username" placeholder="User Name" id="username" required>

<input type="password" placeholder="Password" name="pass" id="pass" required>

<input type="password" placeholder="Retype Password" name="repass" id="repass" required>

<input type="email" placeholder="email" name="email" id="email" required>

<input type="number" placeholder="Phone No" name="pno" id="pno" required>

<input type="date" placeholder="Date of birth" name="dob" id="dob" required> <input class="btn" type="submit" value="Register"> </form>

</div>

</body>

</html>

**CSS File :** Registerstyle.css body {

font-family: Arial, sans-serif;

background: grey; display: flex; justify-content: center; padding-top: 50px;

}

.container { background: white; padding:20px 40px; border-radius: 8px; width: 300px;

} input{

width: 100%; margin-bottom: 10px; padding: 10px; border: 1px solid #ddd; border-radius: 4px;

}

.btn { margin-left:15px;

align:center; background: #28a745; border-radius: 4px;

}

# Login Form

**HTML Code:** Login.html

<html>

<head>

<title>Login Form</title>

<link rel="stylesheet" href=”Loginstyle.css">

</head>

<body>

<div class="container">

<h2>Login Form</h2>

<form>

<input type="text" name="username" placeholder="User Name" id="username" required>

<input type="password" placeholder="Password" name="pass" id="pass" required> <input class="btn" type="submit" value="Login"> </form>

</div>

</body>

</html>

**CSS File:** Loginstyle.css

body {

font-family: Arial, sans-serif; background: lightblue; display: flex; justify-content: center;

padding:150px;

}

.container { background: white; padding:20px 40px; border-radius: 8px; width: 300px;

} input{

width: 100%;

margin-bottom: 20px; padding: 10px; border: 1px solid #ddd; border-radius: 4px;

}

.btn { margin-top:15px; margin-left:70px; width:50%; align:center; background: orange; border-radius:7px;

}

# Adding Contact Details and Footer

**HTML Code:** Lastpage.html

<html>

<head>

<title>Contact</title>

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

</head>

<body>

<section>

<h1>Contact me</h1>

<ul>

<li>library@gmail.com</li>

<li>9723551290</li>

</ul>

</section>

<footer>

<p>© Copyright 2023 Saveetha School of Engineering</p>

</footer>

</body>

</html>

**CSS File:** Contactstyle.css

\*{ padding: 0; margin: 0;

} body

{

overflow:hidden;

} section{ height: 95%; border: 1px solid grey; display: flex; justify-content: center; align-items: center;

background-color: blanchedalmond;

}

ul{ margin-top: 2%; font-size: 1.5rem;

padding-top:90px; } p{ margin-top: 1%; font-size: 1rem; } footer { line-height: 5%; display: flex; justify-content: center; font-size: 0.5rem;

}

**5) Validating User input using JavaScript at the time of Registration**

# Html Code with Script: Register\_script.html

<html>

<head>

<title>Registration Form</title>

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

</head>

<body>

<div class="container">

<h2>Registration Form</h2>

<form id="RegistrationForm">

<input type="text" name="name" placeholder="Your Name" id="name" required>

<input type="text" name="username" placeholder="User Name" id="username" required>

<span class="note" id="une"></span>

<input type="password" placeholder="Password" name="pass" id="pass" required> <span class="note" id="pe"></span>

<input type="password" placeholder="Retype Password" name="repass" id="repass" required>

<span class="note" id="rpe"></span>

<input type="email" placeholder="email" name="email" id="email" required> <span class="note" id="ee"></span>

<input type="number" placeholder="Phone No" name="pno" id="pno" required>

<span class="note" id="pne"></span>

<input type="date" placeholder="Date of birth" name="dob" id="dob" required> <input class="btn" type="submit" value="Register"> </form>

</div> <script> var s=true;

document.getElementById('RegistrationForm').addEventListener('submit', function(e) { e.preventDefault();

// Get input values

const username = document.getElementById('username').value.trim(); const email = document.getElementById('email').value.trim(); const password = document.getElementById('pass').value;

const confirmPassword = document.getElementById('repass').value; const phone=document.getElementById('pno').value;

// Username validation if (username.length < 3) { s=false;

document.getElementById('une').innerHTML = 'Username must be at least 3 characters.';

}

// Email validation

if (!/^[^\s@]+@[^\s@]+\.[^\s@]+$/.test(email)) {

document.getElementById('ee').innerHTML = 'Invalid email format.'; s=false;

}

// Password validation if (password.length < 6) {

document.getElementById('pe').innerHTML = 'Password must be at least 6 characters.'; s=false;

}

// Confirm Password match if (password !== confirmPassword) {

document.getElementById('rpe').innerHTML = 'Passwords do not match.'; s=false; } if(!/^[9|8|7|6]([0-9]{9})$/.test(phone))

{

document.getElementById('pne').innerHTML="Phone Number not Exist"; s=false;

} if (s) { alert('Form is valid. Submitting...'); }

});

</script>

</body>

</html>

**CSS File:** Registerstylescript.css

body {

font-family: Arial, sans-serif; background: grey;

display: flex; justify-content: center; padding-top: 50px;

}

.container { background: white; padding:20px 40px; border-radius: 8px; width: 300px;

} input,span{

width: 100%; margin-bottom: 10px; padding: 10px; border: 1px solid #ddd; border-radius: 4px;

}

.note { color:red;

font-size:14px;

}

.btn { margin-left:15px; align:center; background: #28a745; border-radius: 4px;

}

**6) Registration in Php to MySQL Database**

**Database Name:** library

# Table Name : user\_regis

**Table Structure:**

name varchar(20) uname varchar(15) password varchar(12) email varchar(25) phone\_no varchar(10) dob Date

# HTML Code : Register\_script.html

<html>

<head>

<title>Registration Form</title>

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

</head>

<body>

<div class="container">

<h2>Registration Form</h2>

<form id="RegistrationForm" action="Register.php" method="post" onsubmit="return validate()">

<input type="text" name="name" placeholder="Your Name" id="name" required>

<input type="text" name="username" placeholder="User Name" id="username" required>

<span class="note" id="une"></span>

<input type="password" placeholder="Password" name="pass" id="pass" required>

<span class="note" id="pe"></span>

<input type="password" placeholder="Retype Password" name="repass" id="repass" required>

<span class="note" id="rpe"></span>

<input type="email" placeholder="email" name="email" id="email" required> <span class="note" id="ee"></span>

<input type="number" placeholder="Phone No" name="pno" id="pno" required>

<span class="note" id="pne"></span>

<input type="date" placeholder="Date of birth" name="dob" id="dob" required> <input class="btn" type="submit" value="Register"> </form>

</div> <script>

function validate()

{

var s=true;

// Get input values const username = document.getElementById('username').value.trim(); const email = document.getElementById('email').value.trim(); const password = document.getElementById('pass').value; const confirmPassword = document.getElementById('repass').value; const phone=document.getElementById('pno').value;

// Username validation if (username.length < 3) {

document.getElementById('une').innerHTML = 'Username must be at least 3 characters.'; s=false;

}

// Email validation if (!/^[^\s@]+@[^\s@]+\.[^\s@]+$/.test(email)) {

document.getElementById('ee').innerHTML = 'Invalid email format.';

s=false;

}

// Password validation if (password.length < 6) {

document.getElementById('pe').innerHTML = 'Password must be at least 6 characters.'; s=false;

}

// Confirm Password match if (password !== confirmPassword) {

document.getElementById('rpe').innerHTML = 'Passwords do not match.';

s=false;

} if(!/^[9|8|7|6]([0-9]{9})$/.test(phone)) { document.getElementById('pne').innerHTML="Phone Number not Exist"; s=false;

} return s;

}

</script>

</body>

</html>

# CSS File : Registerstylescript.css

body {

font-family: Arial, sans-serif;

background: grey; display: flex; justify-content: center; padding-top: 50px;

}

.container { background: white; padding:20px 40px; border-radius: 8px; width: 300px;

} input,span{

width: 100%; margin-bottom: 10px; padding: 10px; border: 1px solid #ddd; border-radius: 4px;

}

.note

{ color:red;

font-size:14px;

}

.btn { margin-left:15px; align:center; background: #28a745; border-radius: 4px;

}

**PHP File:**

<html>

<head>

<title> Registration Status </title>

</head>

<body style="background-color:grey">

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname="library";

$conn = new mysqli($servername, $username, $password, $dbname); if(!$conn){

echo '<h3 style="color:red; text-align:center; border:5px double blue;

padding:5px">Error happend at the time of Insertion </h3> '; exit(); }

$stmt = $conn->prepare("INSERT INTO user\_regis VALUES(?,?,?,?,?,?)");

$stmt->bind\_param("ssssss", $n,$u,$p,$e,$pn,$d);

$n=$\_POST["name"];

$u=$\_POST["username"];

$p=$\_POST["pass"];

$e=$\_POST["email"];

$pn=$\_POST["pno"]; $d=$\_POST["dob"]; if($stmt->execute())

echo '<h2 style="color:green; text-align:center; border:5px double yellow;

padding:5px">Record inserted successfully </h2> '; else

echo '<h3 style="color:red; text-align:center; border:5px double blue;

padding:5px">Error happend at the time of Insertion </h3> ';

$stmt->close();

$conn->close(); header("Refresh:4; url=index.html"); ?>

</body>

</html>

**7) Login in Php to MySQL Database**

**Database Name:** library

# Table Name : user\_regis

**HTML File:** Login.html

<html>

<head>

<title>Login Form</title>

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

</head>

<body>

<div class="container">

<h2>Login Form</h2>

<form action="Login.php" method="post">

<input type="text" name="username" placeholder="User Name" id="username" required>

<input type="password" placeholder="Password" name="pass" id="pass" required> <input class="btn" type="submit" value="Login"> </form>

</div>

</body>

</html>

**CSS File:** Loginstyle.css

body {

font-family: Arial, sans-serif; background: lightblue; display: flex; justify-content: center;

padding:150px;

}

.container { background: white; padding:20px 40px; border-radius: 8px; width: 300px;

} input{

width: 100%; margin-bottom: 20px; padding: 10px; border: 1px solid #ddd; border-radius: 4px;

}

.btn { margin-top:15px; margin-left:70px; width:50%; align:center; background: orange; border-radius:7px;

}

**PHP File :** Login.php

<html>

<head>

<title>Login Status </title>

</head>

<body style="background-color:lightblue">

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname="library";

$conn = new mysqli($servername, $username, $password, $dbname);

$u=$\_POST["username"];

$p=$\_POST["pass"];

$sql = "SELECT uname,password FROM user\_regis where uname= '{$u}' ";

$result = $conn->query($sql); if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

if ($row["uname"]== $u && $row["password"]==$p)

{

header("Refresh:4; url=index.html");

echo '<h2 style="color:green; text-align:center; border:5px double yellow;

padding:5px"> You are successfully Validated </h2> ';

} else

{ echo '<h3 style="color:red; text-align:center; border:5px double blue; padding:5px"> Credentials Wrong, Try again </h3> ';

}

} } else

{ echo '<h3 style="color:red; text-align:center; border:5px double blue; padding:5px"> User name given was not exist </h3> ';

}

$conn->close();

?>

</body>

</html>

**Logic Part of the Application can continue………**

# Implement similar one for the following Applications,

o Create a Website for Online Hotel Room Booking o Create a Website for an Online Bus Ticket Booking System o Create a Website for an Online Train Reservation System o Create a website for an online flight reservation system o Create a Website for an Online Cake Ordering System o Create a Website for an Online Beauty Parlor Appointment Booking System o Create a Website for an Online Hospital Appointment Booking System o Create a website for an online shopping system for electronic gadgets