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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
{
```

```css
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;
}
```

2) To Design a Registration Form

HTML File: Register.html

```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

```css
body {
  font-family: Arial, sans-serif;
  background: grey;
  display: flex;
  justify-content: center;
  padding-top: 50px;
}
.container {
  background: white;
  padding:20px 40px;
```

```css
  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;
  }
```

3) Login Form

HTML Code: Login.html

```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

```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%;
```

```css
    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;
    }
```

4) Adding Contact Details and Footer

HTML Code: Lastpage.html

```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

```css
*{
padding: 0;
margin: 0;
}
body
{
overflow:hidden;
}
section{
height: 95%;
border: 1px solid grey;
display: flex;
justify-content: center;
```

```css
    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;
```

```javascript
    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

```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>
```

```html
<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

```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");
?>
```

```html
</body>
</html>
```

7) Login in Php to MySQL Database

Database Name: library

Table Name : user_regis

HTML File: Login.html

```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

```css
body {
  font-family: Arial, sans-serif;
  background: lightblue;
  display: flex;
  justify-content: center;
  padding:150px;
}
.container {
  background: white;
  padding:20px 40px;
```

```css
  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

```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)
```

```php
        {
        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