**EXPERIMENT No.: 15 Date:04/12/2024**

**PHP WEB APPLICATION TO DISPLAY STUDENT DETAILS USING MYSQL**

**AIM**   
PHP web application to read and display student details .

**SOURCE CODE:**

c4-1.html

<html>

<body>

<form action="c4-1.php" method="post">

ID <input type="text" name="id"><br><br>

NAME <input type="text" name="name"><br><br>

CLASS <input type="text"name="class"><br><br>

AGE <input type="text"name="age"><br><br>

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

</form>

</body>

</html>

c4-1.php

<?php

$id=$\_POST['id'];

$name=$\_POST['name'];

$age=$\_POST['age'];

$class=$\_POST['class'];

echo "Name of student:$name<br> Id:$id <br> Age:$age <br> class:$class";

?>

**RESULT**

The HTML page to demonstrate php web application to display student details using MySQL has been designed.

**EXPERIMENT No.: 16 Date:04/12/2024**

**LOGIN PAGE AND A WELCOME PAGE USING MYSQL  
AIM**   
PHP web application to implement a login page and a welcome page.

**SOURCE CODE:**

Database creation

create database db1;

use db1;

create table users (username vachar(30) not null,password varcchar(50) not null);

insert into users values (‘Hari’,1234);

c4-2.html

<html>

<body>

<form action="c4-2.php" method="post">

<center>

USERNAME: <input type="text" name="username" placeholder="Enter the username"><br><br>

PASSWORD: <input type="password" name="password" placeholder="Enter the password"><br><br>

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

</center>

</form>

</body>

</html>

c4-2.php

<?php

include('c4-2db.php');

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$username = $\_POST['username'];

$password = $\_POST['password'];

if (empty($username) || empty($password)) {

echo "Please enter both username and password.";

} else {

$sql = "SELECT \* FROM users WHERE username = ?";

$stmt = $conn->prepare($sql);

$stmt->bind\_param("s", $username);

$stmt->execute();

$result = $stmt->get\_result();

if ($result->num\_rows == 1) {

$row = $result->fetch\_assoc();

if ($password==$row['password']) {

echo "<h2>Welcome, " . htmlspecialchars($row['username']) . "!</h2>";

} else {

echo "Invalid password!";

}

} else {

echo "User not found!";

}

$stmt->close();

}

}

$conn->close();

?>

c4-2db.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "db1";

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

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

?>

**RESULT**

The HTML page to demonstrate php web application to create a login page and welcome page student details using MySQL has been designed.

**EXPERIMENT No.: 17 Date:11/12/2024**

**STUDENT REGISTRATION FORM USING MYSQL AND COOKIES**

**AIM**

PHP web application using MySQL database to register, login and display student information. Use PHP Cookies to retrieve information from login.

**SOURCE CODE:**

Database creation

create database student\_db;

use student\_db;

CREATE TABLE students (

id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(30) NOT NULL,

last\_name VARCHAR(30) NOT NULL,

dob DATE NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

gender ENUM('MALE', 'FEMALE') NOT NULL,

password VARCHAR(255) NOT NULL);

c4-3reg.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "student\_db";

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

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

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

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

if (isset($\_POST['submit'])) {

$firstName = $\_POST['firstName'];

$lastName = $\_POST['lastName'];

$dob = $\_POST['dob'];

$email = $\_POST['email'];

$gender = $\_POST['gender'];

$password = password\_hash($\_POST['password'], PASSWORD\_DEFAULT);

$sql = "INSERT INTO students (first\_name, last\_name, dob, email, gender, password)

VALUES ('$firstName', '$lastName', '$dob', '$email', '$gender', '$password')";

if ($conn->query($sql) === TRUE) {

echo "Registration successful!";

} else {

echo "Error: " . $conn->error;

exit();

}

header("Location: c4-3login.php");

}

?>

<html>

<body>

<h2 style="text-align:center">STUDENT REGISTRATION FORM</h2>

<form action="c4-3reg.php" name="registrationForm" method="POST">

<table align="center" border="1" cellpadding="8">

<tr>

<td>FIRST NAME</td>

<td><input type="text" name="firstName" required maxlength="30"></td>

</tr>

<tr>

<td>LAST NAME</td>

<td><input type="text" name="lastName" required maxlength="30"></td>

</tr>

<tr>

<td>DATE OF BIRTH</td>

<td><input type="date" name="dob" required></td>

</tr>

<tr>

<td>EMAIL-ID</td>

<td><input type="email" name="email" required></td>

</tr>

<tr>

<td>GENDER</td>

<td><input type="radio" name="gender" value="MALE" required> Male

<input type="radio" name="gender" value="FEMALE" required> Female

</td>

</tr>

<tr>

<td>PASSWORD</td>

<td><input type="password" name="password" required maxlength="30"></td>

</tr>

<tr>

<td colspan="2"><center>  
 <input type="submit" name="submit" value="SUBMIT">&nbsp;  
 <input type="reset">  
 </center></td>

</tr>

</table>

</form>

</body>

</html>

c4-3db.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "student\_db";

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

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

?>

c4-3login.php

<?php

include('c4-3db.php');

if (isset($\_POST['submit'])) {

$email = $\_POST['email'];

$password = $\_POST['password'];

$sql = "SELECT \* FROM students WHERE email = '$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

$user = $result->fetch\_assoc();

if (password\_verify($password, $user['password'])) {

setcookie('user\_id', $user['id'], time() + (86400 \* 30), "/");

setcookie('email', $user['email'], time() + (86400 \* 30), "/");

header("Location: c4-3dash.php");

exit();

} else {

echo "Incorrect password.";

}

} else {

echo "No user found with that email.";

}

}

?>

<html>

<head>

<title>Login</title>

</head>

<body>

<h2>Login</h2>

<form method="POST" action="c4-3login.php">

<label>Email: </label><br>

<input type="email" name="email" required><br><br>

<label>Password: </label><br>

<input type="password" name="password" required><br><br>

<input type="submit" name="submit" value="Login">

</form>

</body>

</html>

c4-3dash.php

<?php

include('c4-3db.php');

if (!isset($\_COOKIE['user\_id'])) {

header("Location: c4-3login.php");

exit();

}

$user\_id = $\_COOKIE['user\_id'];

$email = $\_COOKIE['email'];

$sql = "SELECT \* FROM students WHERE id = '$user\_id' AND email = '$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

$user = $result->fetch\_assoc();

} else {

echo "User not found.";

exit();

}

?>

<html>

<body>

<h2>Welcome, <?php echo $user['first\_name'] . ' ' . $user['last\_name']; ?></h2>

<p>Email: <?php echo $user['email']; ?></p>

<p>Gender: <?php echo $user['gender']; ?></p>

<p>Date of Birth: <?php echo $user['dob']; ?></p>

<a href="c4-3logout.php">Logout</a>

</body>

</html>

c4-3logout.php

<?php

setcookie('user\_id', '', time() - 3600, "/");

setcookie('email', '', time() - 3600, "/");

header("Location: c4-3login.php");

exit();

?>

**RESULT**

The HTML page to demonstrate student registration form using MySQL and cookies to display the details has been designed.

**EXPERIMENT No.: 18 Date:11/12/2024**

**STUDENT REGISTRATION FORM USING MYSQL AND SESSION**

**AIM**   
PHP web application using MySQL database to register, login and display student information. Use PHP Sessions to retrieve information from login..

**SOURCE CODE:**

Database creation

create database student\_db;

use student\_db;

CREATE TABLE students (

id INT AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(30) NOT NULL,

last\_name VARCHAR(30) NOT NULL,

dob DATE NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

gender ENUM('MALE', 'FEMALE') NOT NULL,

password VARCHAR(255) NOT NULL);

c4-4reg.php

<?php

session\_start(); // Start the session

include('c4-3db.php');

if (isset($\_POST['submit'])) {

$firstName = $\_POST['firstName'];

$lastName = $\_POST['lastName'];

$dob = $\_POST['dob'];

$email = $\_POST['email'];

$gender = $\_POST['gender'];

$password = password\_hash($\_POST['password'], PASSWORD\_DEFAULT);

$sql = "INSERT INTO students (first\_name, last\_name, dob, email, gender, password)

VALUES ('$firstName', '$lastName', '$dob', '$email', '$gender', '$password')";

if ($conn->query($sql) === TRUE) {

echo "Registration successful!";

header("Location: c4-3login.php");

exit();

} else {

echo "Error: " . $conn->error;

exit();

}

}

?>

<html>

<body>

<h2 style="text-align:center">STUDENT REGISTRATION FORM</h2>

<form action="c4-3reg.php" name="registrationForm" method="POST">

<table align="center" border="1" cellpadding="8">

<tr>

<td>FIRST NAME</td>

<td><input type="text" name="firstName" required maxlength="30"></td>

</tr>

<tr>

<td>LAST NAME</td>

<td><input type="text" name="lastName" required maxlength="30"></td>

</tr>

<tr>

<td>DATE OF BIRTH</td>

<td><input type="date" name="dob" required></td>

</tr>

<tr>

<td>EMAIL-ID</td>

<td><input type="email" name="email" required></td>

</tr>

<tr>

<td>GENDER</td>

<td><input type="radio" name="gender" value="MALE" required> Male

<input type="radio" name="gender" value="FEMALE" required> Female

</td>

</tr>

<tr>

<td>PASSWORD</td>

<td><input type="password" name="password" required maxlength="30"></td>

</tr>

<tr>

<td colspan="2"><center>  
 <input type="submit" name="submit" value="SUBMIT">&nbsp;  
 <input type="reset">  
 </center></td>

</tr>

</table>

</form>

</body>

</html>

c4-4db.php

<?php

session\_start();

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "student\_db";

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

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

?>

c4-4login.php

<?php

session\_start();

include('c4-3db.php');

if (isset($\_SESSION['user\_id'])) {

header("Location: c4-3dash.php"); // Redirect to dashboard if already logged in

exit();

}

if (isset($\_POST['submit'])) {

$email = $\_POST['email'];

$password = $\_POST['password'];

$sql = "SELECT \* FROM students WHERE email = '$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

$user = $result->fetch\_assoc();

if (password\_verify($password, $user['password'])) {

$\_SESSION['user\_id'] = $user['id'];

$\_SESSION['email'] = $user['email'];

header("Location: c4-3dash.php");

exit();

} else {

echo "Incorrect password.";

}

} else {

echo "No user found with that email.";

}

}

?>

<html>

<head>

<title>Login</title>

</head>

<body>

<h2>Login</h2>

<form method="POST" action="c4-3login.php">

<label>Email: </label><br>

<input type="email" name="email" required><br><br>

<label>Password: </label><br>

<input type="password" name="password" required><br><br>

<input type="submit" name="submit" value="Login">

</form>

</body>

</html>

c4-4dash.php

<?php

session\_start(); // Start the session

include('c4-3db.php');

if (!isset($\_SESSION['user\_id'])) {

header("Location: c4-3login.php");

exit();

}

$user\_id = $\_SESSION['user\_id'];

$email = $\_SESSION['email'];

$sql = "SELECT \* FROM students WHERE id = '$user\_id' AND email = '$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

$user = $result->fetch\_assoc();

} else {

echo "User not found.";

exit();

}

?>

<html>

<body>

<h2>Welcome, <?php echo $user['first\_name'] . ' ' . $user['last\_name']; ?></h2>

<p>Email: <?php echo $user['email']; ?></p>

<p>Gender: <?php echo $user['gender']; ?></p>

<p>Date of Birth: <?php echo $user['dob']; ?></p>

<a href="c4-3logout.php">Logout</a>

</body>

</html>

c4-4logout.php

<?php

session\_start();

session\_unset();

session\_destroy();

header("Location: c4-3login.php");

exit();

?>

**RESULT**

The HTML page to demonstrate student registration form using MySQL and session to display the details has been designed.