Part 1 – User Login & Registration:

index.php:

# <?php

# session\_start();

# if (isset($\_SESSION['username'])) {

# header('Location: dashboard.php');

# exit();

# }

# if (isset($\_POST['login'])) {

# // Get the username and password from the form

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

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

# // Validate the username and password against the database

# // ...

# // If the user is valid, start the session and redirect to dashboard.php

# if (/\* username and password are valid \*/) {

# $\_SESSION['username'] = $username;

# header('Location: dashboard.php');

# exit();

# } else {

# // If the username or password is invalid, show an error message

# $error\_message = 'Invalid username or password';

# }

# }

# if (isset($\_POST['register'])) {

# // Get the username, password, and other registration information from the form

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

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

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

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

# // Insert the user information into the database

# // ...

# // Show a success message

# $success\_message = 'Registration successful. You can now login.';

# }

# ?>

# <html>

# <head>

# <title>User Login & Registration</title>

# </head>

# <body>

# <?php if (isset($error\_message)) { ?>

# <p><?php echo $error\_message; ?></p>

# <?php } ?>

# <?php if (isset($success\_message)) { ?>

# <p><?php echo $success\_message; ?></p>

# <?php } ?>

# <h1>Login</h1>

# <form method="post">

# <label>Username:</label>

# <input type="text" name="username" required><br>

# <label>Password:</label>

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

# <button type="submit" name="login">Login</button>

# </form>

# <h1>Register</h1>

# <form method="post">

# <label>Username:</label>

# <input type="text" name="username" required><br>

# <label>Password:</label>

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

# <label>Email:</label>

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

# <label>Name:</label>

# <input type="text" name="name" required><br>

# <button type="submit" name="register">Register</button>

# </form>

# </body>

# </html>

# dashboard.php:

# <?php

# session\_start();

# if (!isset($\_SESSION['username'])) {

# header('Location: index.php');

# exit();

# }

# // Fetch student information from database

# // ...

# ?>

# <html>

# <head>

# <title>Dashboard</title>

# </head>

# <body>

# <h1>Dashboard</h1>

# <p>Welcome, <?php echo $\_SESSION['username']; ?>!</p>

# <h2>Student Information</h2>

# <table>

# <tr>

# <th>Registration Number</th>

# <th>Name</th>

# <th>Age</th>

# <th>Class</th>

# </tr>

# <?php foreach ($students as $student) { ?>

# <tr>

# <td><?php echo $student['reg\_no']; ?></td>

# <td><?php echo $student['name']; ?></

# Part 2 – Selection of Data

# dashboard.php:

# <?php

# session\_start();

# if (!isset($\_SESSION['username'])) {

# header("Location: index.php");

# }

# $servername = "localhost";

# $username = "username";

# $password = "password";

# $dbname = "myDB";

# // Create connection

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

# // Check connection

# if ($conn->connect\_error) {

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

# }

# $sql = "SELECT \* FROM students";

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

# $conn->close();

# ?>

# <!DOCTYPE html>

# <html>

# <head>

# <title>Dashboard</title>

# </head>

# <body>

# <h1>Welcome, <?php echo $\_SESSION['username']; ?></h1>

# <a href="logout.php">Logout</a>

# <br><br>

# <table>

# <thead>

# <tr>

# <th>Registration No.</th>

# <th>Name</th>

# <th>Address</th>

# <th>Phone</th>

# </tr>

# </thead>

# <tbody>

# <?php

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

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

# echo "<tr>";

# echo "<td>".$row['registration\_no']."</td>";

# echo "<td>".$row['name']."</td>";

# echo "<td>".$row['address']."</td>";

# echo "<td>".$row['phone']."</td>";

# echo "</tr>";

# }

# } else {

# echo "<tr><td colspan='4'>No records found</td></tr>";

# }

# ?>

# </tbody>

# </table>

# </body>

# </html>

# Part 3 – Update Student Record

# update.php

# <?php

# session\_start();

# if (!isset($\_SESSION['username'])) {

# header("Location: index.php");

# }

# $servername = "localhost";

# $username = "username";

# $password = "password";

# $dbname = "myDB";

# // Create connection

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

# // Check connection

# if ($conn->connect\_error) {

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

# }

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

# $reg\_no = $\_POST['reg\_no'];

# $sql = "SELECT \* FROM students WHERE registration\_no='$reg\_no'";

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

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

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

# $name = $row['name'];

# $address = $row['address'];

# $phone = $row['phone'];

# } else {

# $error = "No record found for registration no. $reg\_no";

# }

# }

# if (isset($\_POST['update'])) {

# $reg\_no = $\_POST['reg\_no'];

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

# $address = $\_POST['address'];

# $phone = $\_POST['phone'];

# $sql = "UPDATE students SET name='$name', address='$address', phone='$phone' WHERE registration\_no='$reg\_no'";

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

# $success = "Record updated successfully";

# } else {

# $error = "Error updating record: " . $conn->error;

# }

# }

# $conn->close();

# ?>

# <!DOCTYPE html>

# <html>

# <head>

# <title>Update Student Record</title>

# </head>

# <body>

# <h1>Update Student Record</h1>

# <a href="dashboard.php">Dashboard</a>

# <br><br>

# <form method="post" action="">

# <label for="reg\_no">Enter Registration No.:</label>

# <input type="text" name="reg\_no" id="reg\_no" required>

# <button type="submit" name="submit">Search</button>

# </form>

# <?php

# if (isset($error)) {

# echo "<p style='color: red;'>$error</p>";

# }

# if (isset($name)) {

# echo "<form method='post' action=''>";

# echo "<label for='name'>Name:</label>";

# echo "<input type='text' name='name' id='name' value='$name' required>";

# echo "<br><br>";

# echo "<label for='address'>Address:</label>";

# echo "<input type='text' name='address' id='address' value='$address' required>";

# echo "<br><br>";

# echo "<label for='phone'>Phone:</label>";

# echo "<input type='text' name='phone' id='phone' value='$phone' required>";

# echo "<br><br>";

# echo "<button type='submit' name='update'>Update Record</button>";

# echo "</form>";

# }

# if (isset($success)) {

# echo "<p style='color: green;'>$success</p>";

# }

# ?>

# </body>

# </html>

# Part 4 – Delete Record

# <?php

# session\_start();

# if (!isset($\_SESSION['username'])) {

# header('Location: index.php');

# exit();

# }

# // Fetch all students information from database

# // ...

# if (isset($\_POST['delete'])) {

# // Get the registration number of the student to be deleted

# $reg\_no = $\_POST['reg\_no'];

# // Delete the record from the database

# // ...

# // Fetch updated students information from database

# // ...

# }

# ?>

# <html>

# <head>

# <title>Delete Student Record</title>

# </head>

# <body>

# <h1>Delete Student Record</h1>

# <table>

# <tr>

# <th>Registration Number</th>

# <th>Name</th>

# <th>Age</th>

# <th>Class</th>

# <th>Action</th>

# </tr>

# <?php foreach ($students as $student) { ?>

# <tr>

# <td><?php echo $student['reg\_no']; ?></td>

# <td><?php echo $student['name']; ?></td>

# <td><?php echo $student['age']; ?></td>

# <td><?php echo $student['class']; ?></td>

# <td>

# <form method="post">

# <input type="hidden" name="reg\_no" value="<?php echo $student['reg\_no']; ?>">

# <button type="submit" name="delete">Delete</button>

# </form>

# </td>

# </tr>

# <?php } ?>

# </table>

# </body>

# </html>