conn.php

```php
<?php
$servername = "localhost";

$username = "root";

$password = "";

$dbname="subha";


// Create connection
$conn = mysqli_connect($servername, $username, $password,$dbname);


// Check connection
if (!$conn) {

  die("Connection failed: " . mysqli_connect_error());

}
echo "Connected successfully";

?>
```

login.php

```php
<?php
session_start();



$validUsername = "admin";
```

```php
$validPassword = "password";


if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $username = $_POST['username'];

    $password = $_POST['password'];


    if ($username === $validUsername && $password === $validPassword) {

        // Store user info in session

        $_SESSION['username'] = $username;

        $_SESSION['loggedin'] = true;


        // Redirect to a protected page

        header("Location: homepage.php");

        exit();

    } else {

        $error = "Invalid username or password!";

    }

}
?>


<!DOCTYPE html>

<html>

<head>
```

```html
    <title>Login</title>
</head>
<body>
    <form method="POST" action="">
        <h2>Login</h2>
        <?php if (!empty($error)) echo "<p style='color:red;'>$error</p>"; ?>
        <label for="username">Username:</label>
        <input type="text" name="username" required><br>
        <label for="password">Password:</label>
        <input type="password" name="password" required><br>
        <button type="submit">Login</button>
    </form>
</body>
</html>
```

homepage.php

```html
<html>
    <body>
    <center>
    <a href="login.php">Home</a><br>
    <a href="insertion.php">Add Student details</a><br>
    <a href="viewall.php">View All Students</a><br>
    <a href="search.php">Search a Student with a Student Id</a><br>
```

```
<a href="delete.php">Delete a Student </a><br>

<a href="update1.php">Update Student details</a><br>

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

</center>

</body>

</html>
```

insertion.php

```php
<?php
include 'conn.php';
if(isset($_POST['submit']))
{
    $fname=$_POST['name'];

    $sem=$_POST['semester'];

    $crse=$_POST['course'];

    $gender1=$_POST['gender'];

    // Handle hobbies as an array and join them into a single string
        if (isset($_POST['hobbies']))
            {
            $hobbies1 = implode(", ", $_POST['hobbies']); // Convert array
to comma-separated string
            }
        else
```

```php
        {
            $hobbies1 = ""; // If no hobbies are selected, set as empty

            }

    $sql = "INSERT INTO
student(Name,Semester,Course,Gender,Hobbies)VALUES
('$fname','$sem','$crse','$gender1','$hobbies1')";


    if (mysqli_query($conn, $sql)) {

        header("Location: homepage.php");

        } else {

        echo "Error: " . $sql . "<br>" . mysqli_error($conn);

        }


    mysqli_close($conn);
}
else
{
?>
<html>
    <body>
    <center>
        <form action="" method="post">
        Student Name:
```

```html
<input type="textbox" name="name"><br>
Semester:
<input type="textbox" name="semester"><br>
Course:
<input type="textbox" name="course"><br>
Gender:
<input type="radio" name="gender" value="female"> Female
<input type="radio" name="gender" value="male">Male<br>
Hobbies:
<input type="checkbox" name="hobbies[]" value="sports">Sports
<input type="checkbox" name="hobbies[]" value="reading">Reading
<input type="checkbox" name="hobbies[]" value="dance">Dance
<input type="checkbox" name="hobbies[]" value="music">Music<br>
<input type="submit" name="submit" value="Submit"><br>
</form>
</center>
</body>
</html>
<?php
}
?>
```

delete.php

```php
<?php
include 'conn.php';
if(isset($_POST['submit']))
{

    $id1=$_POST['id'];
    $sql = "DELETE FROM student WHERE studentid='$id1'";


if (mysqli_query($conn, $sql)) {
  header("Location: homepage.php");
} else {
  echo "Error deleting record: " . mysqli_error($conn);
}



    mysqli_close($conn);
}
else
{
?>
<html>
    <body>
    <center>
            <form action="" method="post">
```

Student Id:

```
<input type="textbox" name="id"><br>


<input type="submit" name="submit" value="Submit"><br>
</form>
</center>
</body>
</html>
<?php
}
?>
```

viewall.php

```php
<?php


include 'conn.php';
$sql = "SELECT * FROM student";
$result = mysqli_query($conn, $sql);


if (mysqli_num_rows($result) > 0) {
 // output data of each row
 while($row = mysqli_fetch_assoc($result)) {
   echo "<br> id:  " . $row["studentid"]. " <br>Name: " . $row["Name"].
"<br>Semester:  " . $row["Semester"]."<br>Course: " .
```

```php
$row["Course"]."<br>Gender:  ".$row["Gender"] ."<br>Hobbies:
".$row["Hobbies"] ."<br>";

  }

} else {

  echo "0 results";

}


mysqli_close($conn);

?>
<html>
 <body>

   <center>

       <a href="homepage.php">< Back</a>

   </center>

 </body>
</html>
```

update1.php

```php
<?php
include 'conn.php';




if (isset($_GET['studentid'])) {
```

```php
$studentid = $_GET['studentid'];


// Fetch the existing data for the given student ID
$sql = "SELECT * FROM student WHERE studentid = '$studentid'";
$result = mysqli_query($conn, $sql);


if (mysqli_num_rows($result) > 0) {
    $student = mysqli_fetch_assoc($result);


    // Redirect to the update page with student data
    $query = http_build_query($student);
    header("Location: update2.php?$query");
    exit();
} else {
    echo "No student found with ID: $studentid";
}
}
?>


<!DOCTYPE html>
<html>
<head>
    <title>Retrieve Student Details</title>
```

</head>

<body>

  <h2>Retrieve Student Details</h2>

  <form method="GET" action="">

    <label for="studentid">Student ID:</label>

    <input type="text" name="studentid" id="studentid" required>

    <button type="submit">Retrieve</button>

  </form>

</body>

</html>

update2.php

```php
<?php

include 'conn.php';

if ($_SERVER['REQUEST_METHOD'] === 'POST' && isset($_POST['submit']))
{

  // Handle form submission

  $id = $_POST['id'];

  $name = $_POST['name'];

  $semester = $_POST['semester'];

  $course = $_POST['course'];

  $gender = $_POST['gender'];

  $hobbies = isset($_POST['hobbies']) ? implode(", ", $_POST['hobbies']) : "";
```

```php
    // Update student details

    $sql = "UPDATE student

        SET Name = '$name', Semester = '$semester', Course = '$course', Gender =
'$gender', Hobbies = '$hobbies'

        WHERE studentid = '$id'";


    if (mysqli_query($conn, $sql)) {

        header("Location: homepage.php");

    } else {

        echo "Error: " . mysqli_error($conn);

    }


    mysqli_close($conn);

    exit();

}


// Retrieve student data from query parameters

if (isset($_GET['studentid'])) {

    $student = $_GET;

} else {

    echo "No student data provided.";

    exit();

}
```

```php
?>
```

```html
<!DOCTYPE html>
<html>
<head>
    <title>Update Student Details</title>
</head>
<body>
    <h2>Update Student Details</h2>
    <form method="POST" action="">
        <input type="hidden" name="id" value="<?php echo $student['studentid']; ?>">

        <label for="name">Name:</label>
        <input type="text" name="name" value="<?php echo $student['Name']; ?>" required><br><br>

        <label for="semester">Semester:</label>
        <input type="text" name="semester" value="<?php echo $student['Semester']; ?>" required><br><br>

        <label for="course">Course:</label>
        <input type="text" name="course" value="<?php echo $student['Course']; ?>" required><br><br>
```

```php
<label for="gender">Gender:</label>

<input type="radio" name="gender" value="male" <?php if
($student['Gender'] == 'male') echo 'checked'; ?>> Male

<input type="radio" name="gender" value="female" <?php if
($student['Gender'] == 'female') echo 'checked'; ?>> Female<br><br>


<label for="hobbies">Hobbies:</label>

<?php $existingHobbies = explode(", ", $student['Hobbies']); ?>

<input type="checkbox" name="hobbies[]" value="sports" <?php if
(in_array("sports", $existingHobbies)) echo 'checked'; ?>> Sports

<input type="checkbox" name="hobbies[]" value="music" <?php if
(in_array("music", $existingHobbies)) echo 'checked'; ?>> Music

<input type="checkbox" name="hobbies[]" value="dance" <?php if
(in_array("dance", $existingHobbies)) echo 'checked'; ?>> Dance

<input type="checkbox" name="hobbies[]" value="reading" <?php if
(in_array("reading", $existingHobbies)) echo 'checked'; ?>> Reading<br><br>


<button type="submit" name="submit">Update</button>

    </form>

</body>

</html>
```

logout.php

```php
<?php

session_start();
```

```php
// Destroying All Sessions

if(session_destroy())

{

// Redirecting To Logout Page

header("Location: login.php");

exit();

}

?>
```