KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CS2307-InternetProgrammingLaboratory

Mini Project Report

2025-2026 ODD

Teammembers details

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Title: Student Result Management System

Objective:The goal is to develop a web-based system that effectively manages student results. This system enables administrators to add students and their corresponding marks, while students can securely access their results.

Abstract (not exceeding 300 words):This project presents a web-based Student Result Management System built using PHP and a MySQL database. It caters to two primary user groups: administrators and students. Administrators have the ability to add new students and input their marks, with the system automatically calculating total marks and grades. Students can log in to check their results. The user interface is designed to be straightforward and user-friendly, allowing schools to manage results digitally, eliminating the need for paperwork.

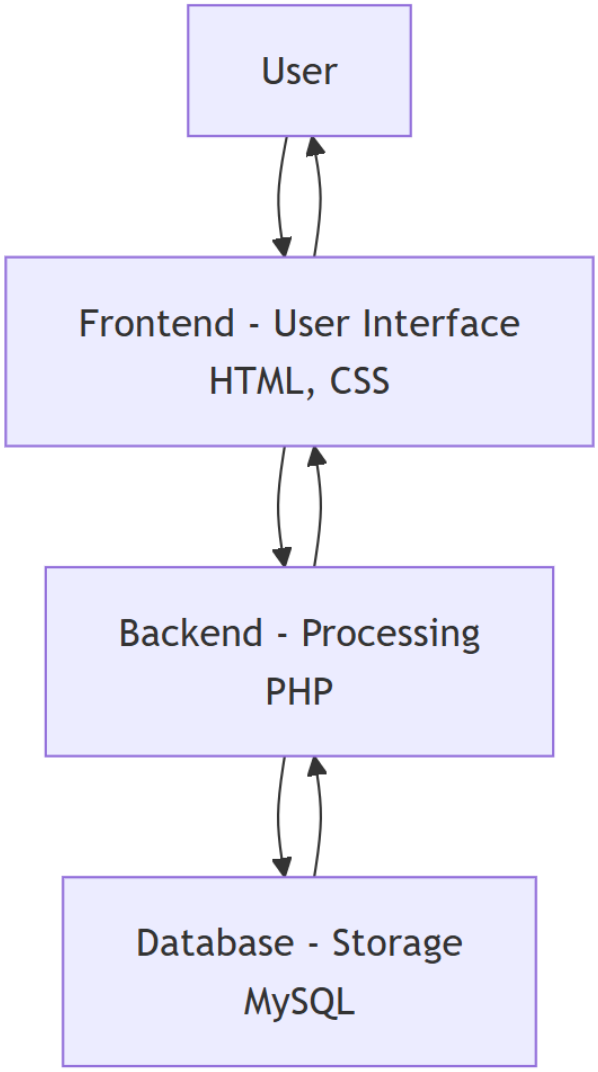
Requirement Analysis:
H/W requirements: A computer with at least 4GB of RAM and 500MB of storage space.

S/W requirements:XAMPP server, PHP, MySQL, and a web browser.

Innovation:

- **Automatic calculation of marks**
- **Clean and simple design**
- **Secure login system**
- **Quick result viewing**
- **User-friendly for both administrators and students**
- .

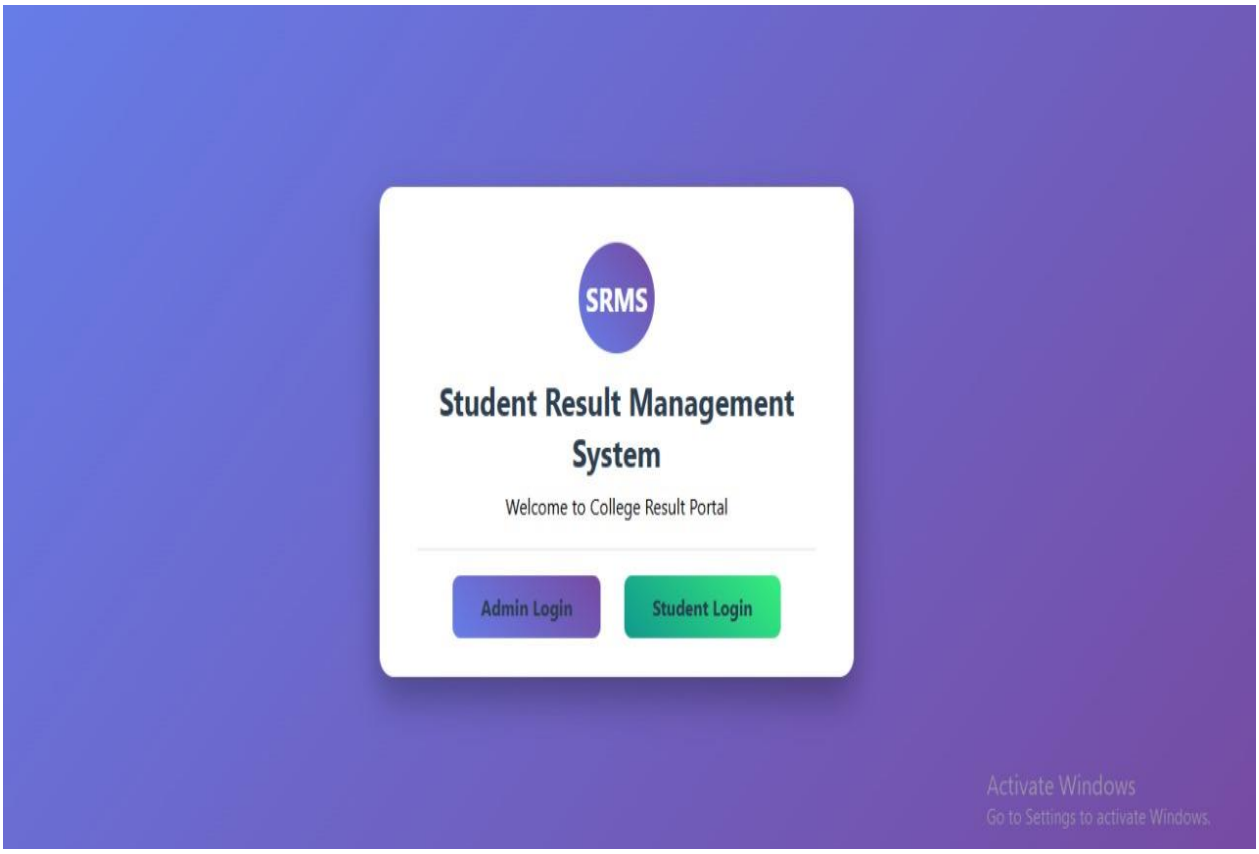
System Design: (Diagram)

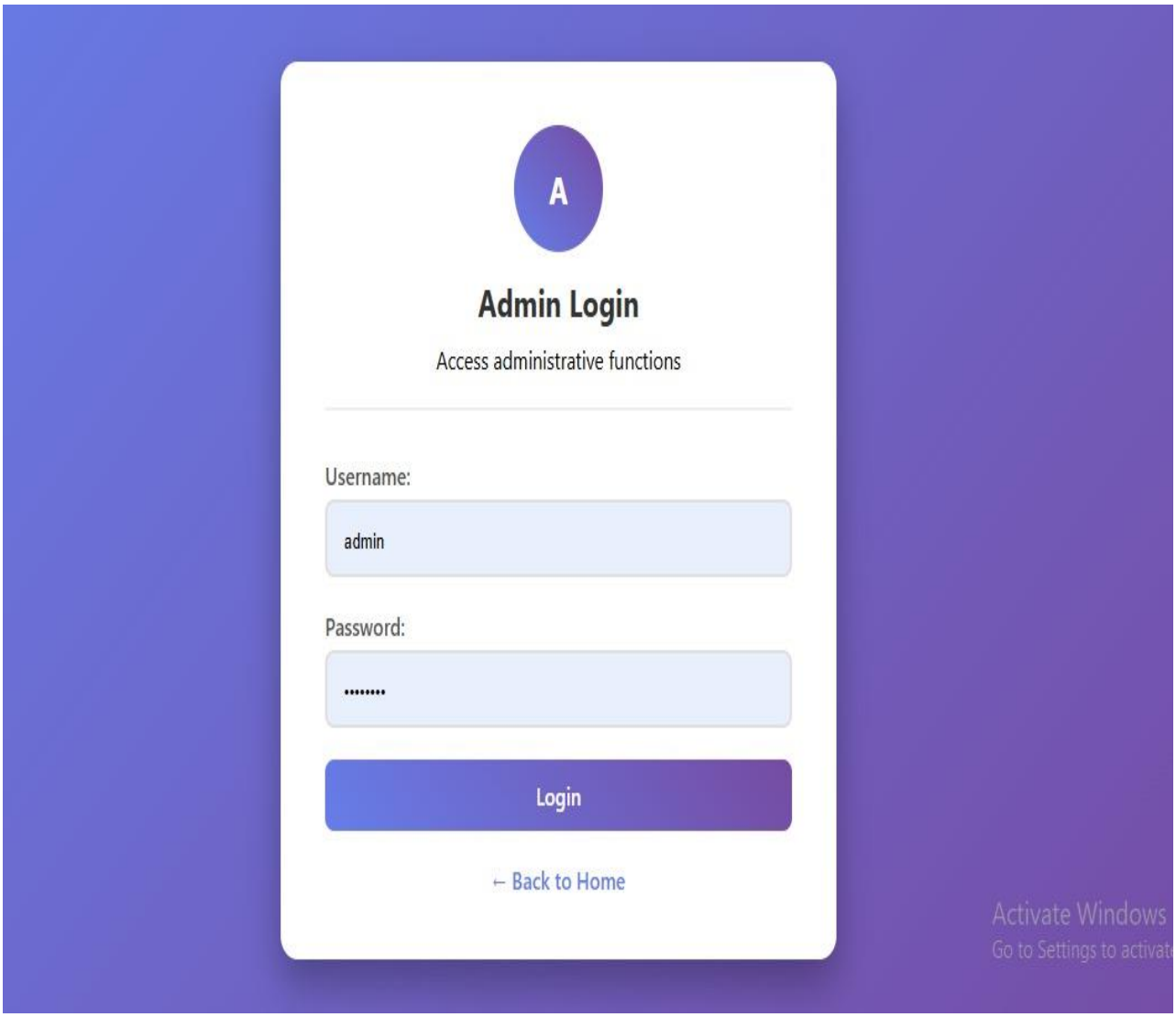


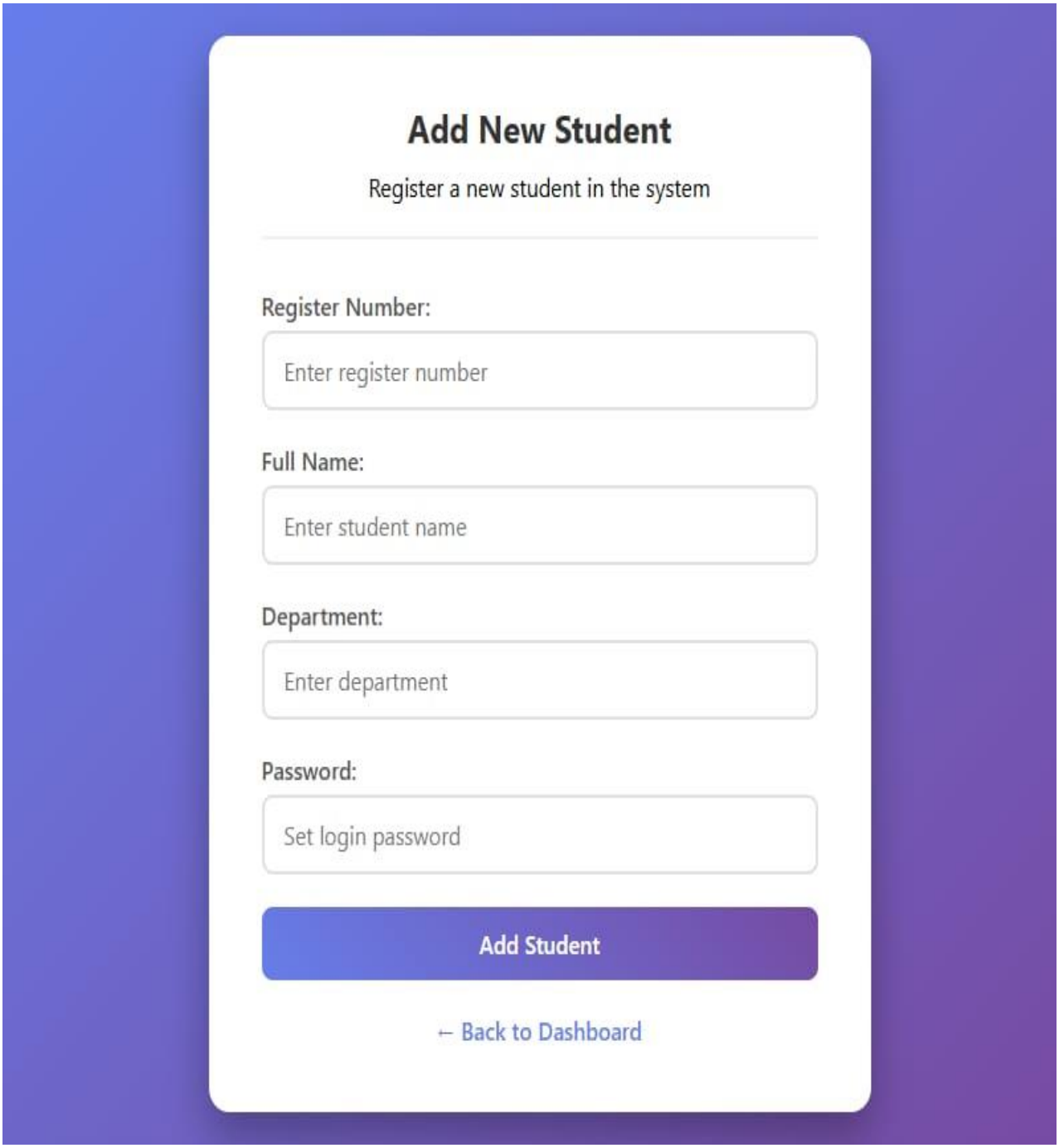
Implementation:(module description)

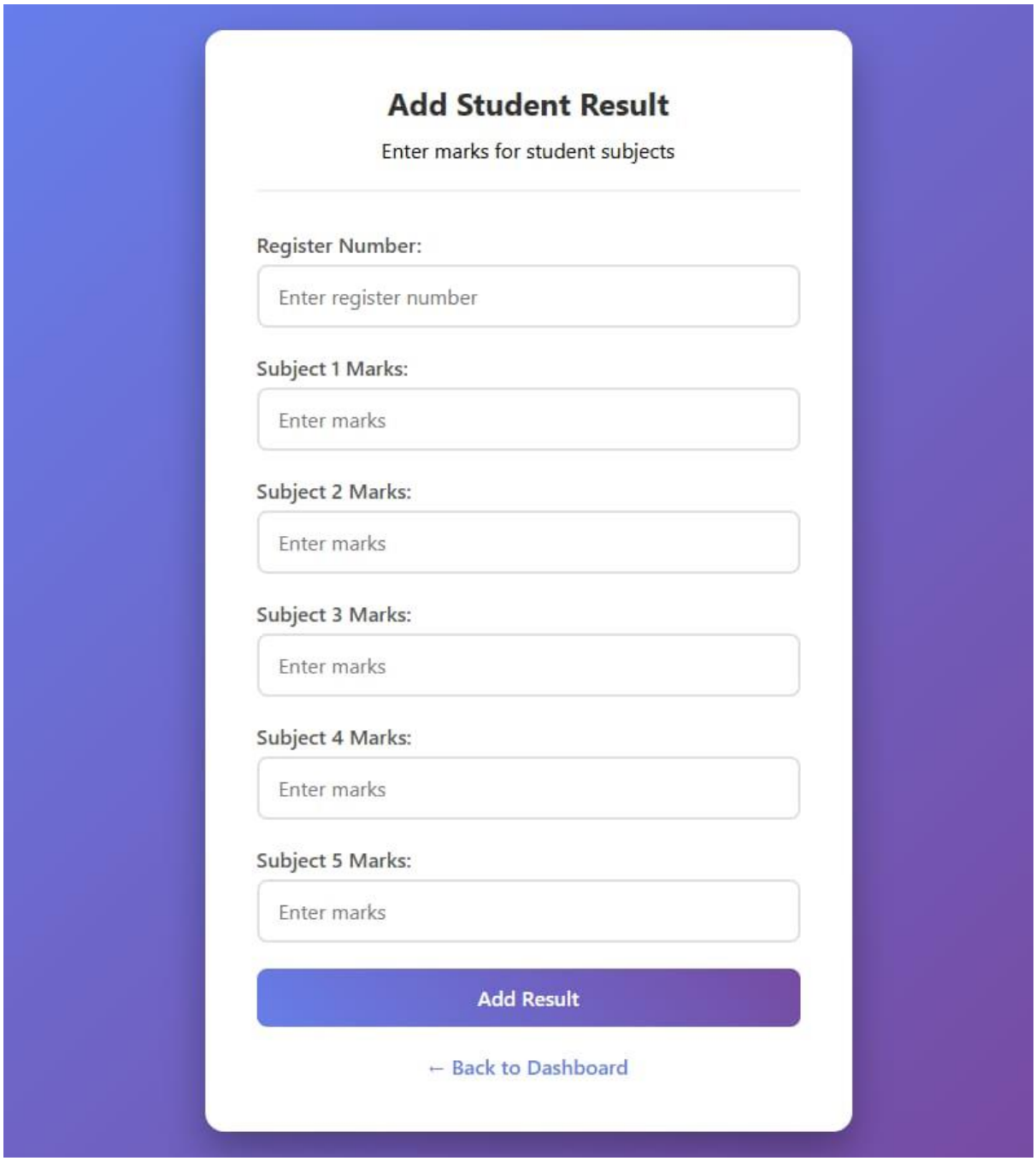
- Login System
- For both admin and students
- Student Management
- Adding new students
- Result Management
- Entering and calculating marks
- Result Display
- Showing student results

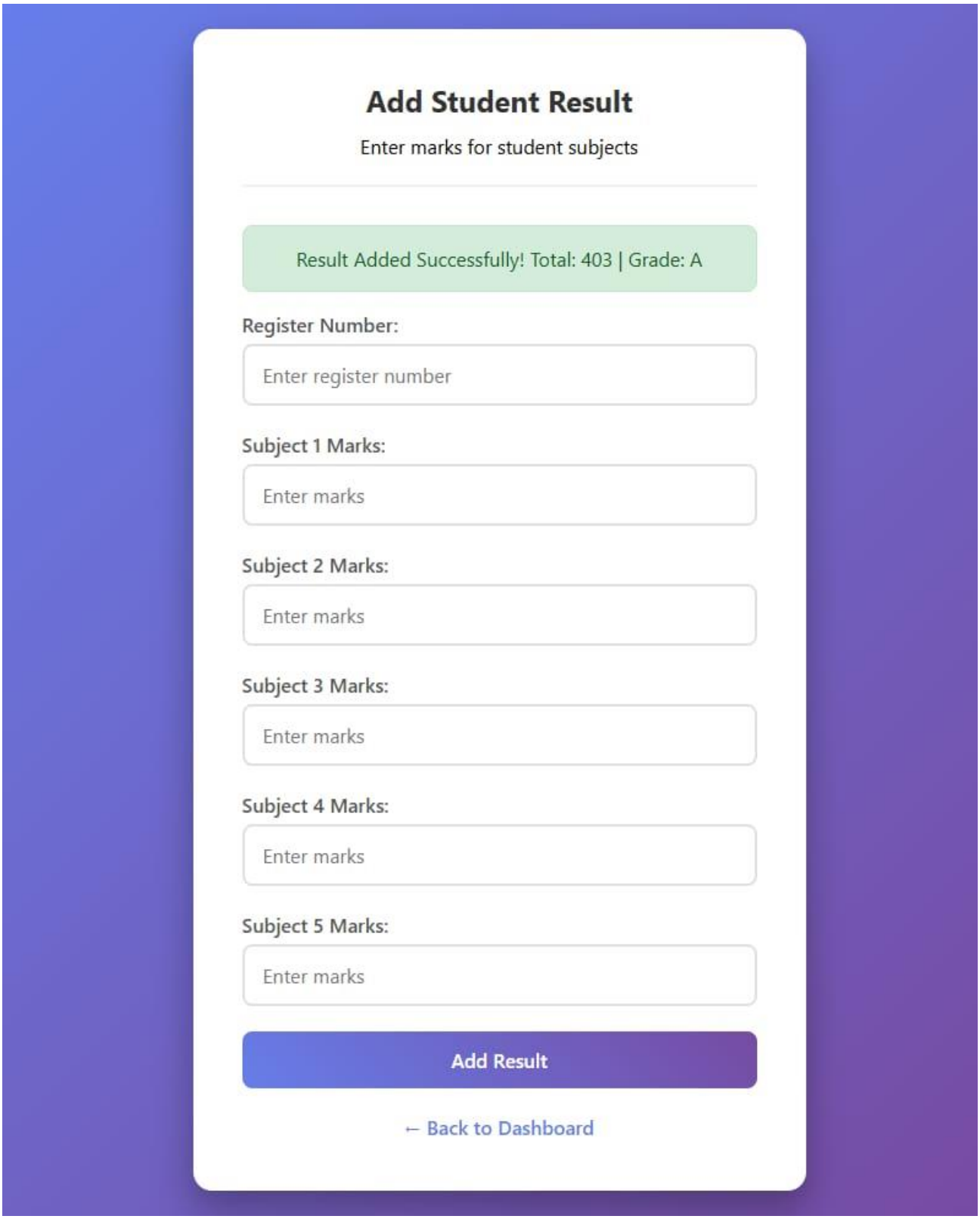
Screenshots:

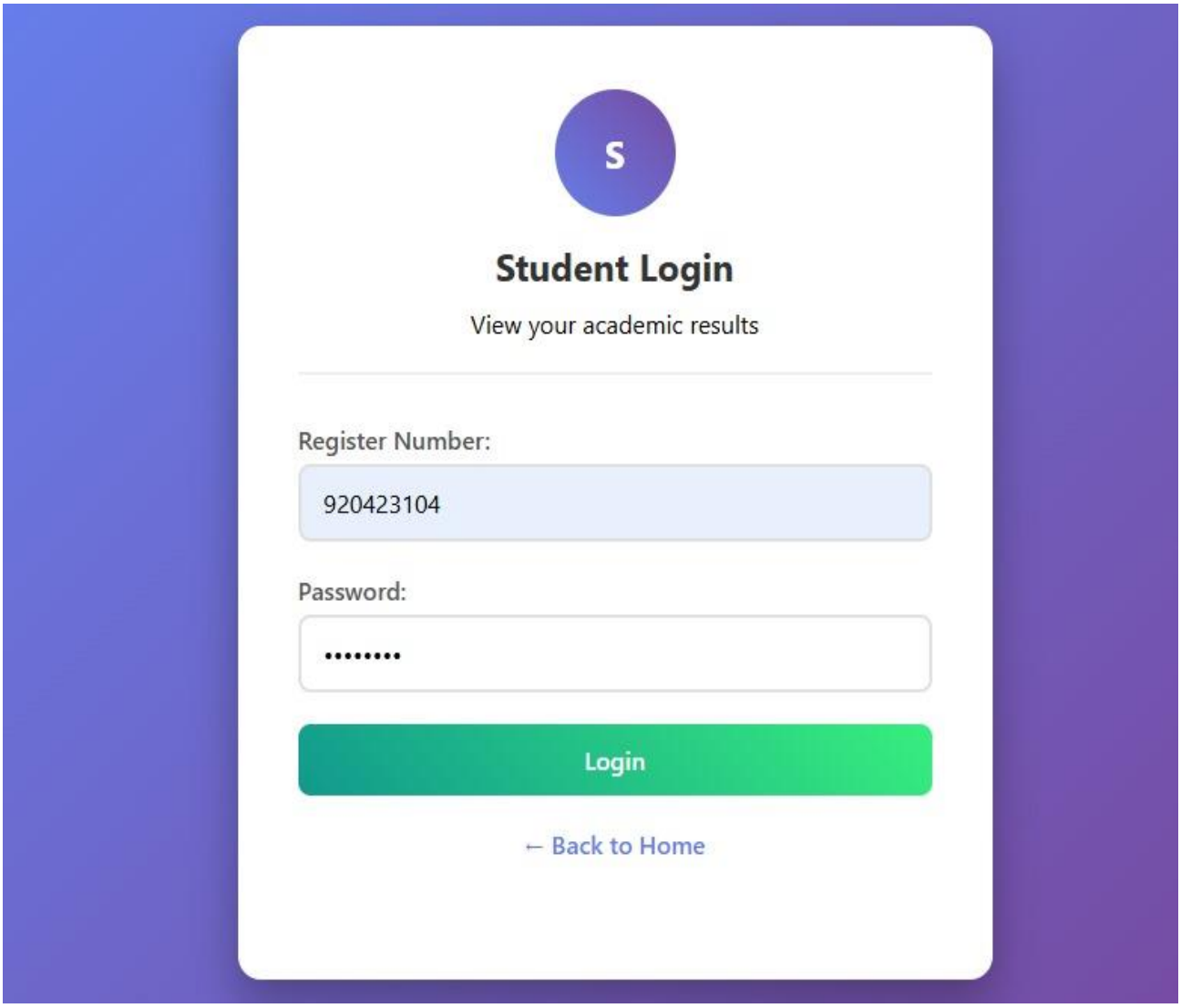



A
Admin Login
Access administrative functions
Username:
admin
Password:
Login
← Back to Home
Activate Windows
Go to Settings to activat


Add New Student
Register a new student in the system
Register Number:
Enter register number
Full Name:
Enter student name
Department:
Enter department
Password:
Set login password
Add Student
← Back to Dashboard


Add Student Result
Enter marks for student subjects
Register Number:
Enter register number
Subject 1 Marks:
Enter marks
Subject 2 Marks:
Enter marks
Subject 3 Marks:
Enter marks
Subject 4 Marks:
Enter marks
Subject 5 Marks:
Enter marks
Add Result
← Back to Dashboard


Add Student Result
Enter marks for student subjects
Result Added Successfully! Total: 403 | Grade: A
Register Number:
Enter register number
Subject 1 Marks:
Enter marks
Subject 2 Marks:
Enter marks
Subject 3 Marks:
Enter marks
Subject 4 Marks:
Enter marks
Subject 5 Marks:
Enter marks
Add Result
← Back to Dashboard


S
Student Login
View your academic results
Register Number:
920423104
Password:
••••••••
Login
← Back to Home

Academic Result

Official Grade Card

Student Details
Name: G.Dharshini
Register No: 920423104
Department: cse

Subject-wise Marks

Subject 1	Subject 2	Subject 3	Subject 4
98/100	96/100	95/100	93/100

Subject 5
90/100

Total Marks: 472/500
Grade: A+

Logout

Sample coding:

```
CREATE TABLE admin (
  id INT AUTO_INCREMENT PRIMARY KEY,
  username VARCHAR(50),
  password VARCHAR(50)
);

INSERT INTO admin (username, password) VALUES ('admin', 'admin123');

CREATE TABLE students (
  id INT AUTO_INCREMENT PRIMARY KEY,
  regno VARCHAR(50),
  name VARCHAR(100),
  dept VARCHAR(100),
  password VARCHAR(50)
);

CREATE TABLE results (
  id INT AUTO_INCREMENT PRIMARY KEY,
  regno VARCHAR(50),
  subject1 INT,
  subject2 INT,
  subject3 INT,
  subject4 INT,
  subject5 INT,
  total INT,
  grade VARCHAR(10)
);
```

here is the 10 files code under the student_result_management folder:

1. db.php:

```
<?php
$conn = mysqli_connect("localhost", "root", "", "student_result_db");
if (!$conn) {
die("Database Connection Failed: " .mysqli_connect_error());
}
?>
```

2. index.php :

```
<!DOCTYPE html>
<html>
<head>
<title>Student Result Management System</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<div class="header">
```

```
<div class="logo">SRMS</div>
<h1>Student Result Management System</h1>
<p>Welcome to College Result Portal</p>
</div>

<div class="nav-links">
<a href="admin_login.php" class="btn" style="margin-bottom: 15px; color: #2c3e50
!important; font-weight: bold;">Admin Login</a>
<a href="student_login.php" class="btn" style="background: linear-gradient(45deg, #11998e,
#38ef7d); color: #2c3e50 !important; font-weight: bold;">Student Login</a>
</div>

3.admin_login.php:
<?php
include('db.php');
session_start();

if (isset($_POST['login'])) {
  $username = $_POST['username'];
  $password = $_POST['password'];

  $query = "SELECT * FROM admin WHERE username='$username' AND
password='$password'";
  $result = mysqli_query($conn, $query);

  if (mysqli_num_rows($result) == 1) {
    $_SESSION['admin'] = $username;
header("Location: admin_dashboard.php");
  } else {
    echo "<script>alert('Invalid Login Credentials');</script>";
  }
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Admin Login - SRMS</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<div class="header">
<div class="logo">A</div>
<h2>Admin Login</h2>
<p>Access administrative functions</p>
</div>

<form method="POST">
<div class="form-group">
<label>Username:</label>
<input type="text" name="username" placeholder="Enter username" required>
</div>
```

```
<div class="form-group">
<label>Password:</label>
<input type="password" name="password" placeholder="Enter password" required>
</div>

<button type="submit" name="login" class="btn">Login</button>
</form>

<div class="nav-links">
<a href="index.php">← Back to Home</a>
</div>
</div>
</body>
</html>
```

4. admin_dashboard.php:

```
<?php
session_start();
if (!isset($_SESSION['admin'])) {
header("Location: admin_login.php");
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Admin Dashboard - SRMS</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="dashboard">
<div class="dashboard-header">
<h1>Admin Dashboard</h1>
<p>Welcome, <?php echo $_SESSION['admin']; ?>!</p>
</div>

<div class="menu-grid">
<a href="add_student.php" class="menu-card">
<h3>➕ Add Student</h3>
<p>Register new students</p>
</a>

<a href="add_result.php" class="menu-card">
<h3>📊 Add Result</h3>
<p>Enter student marks</p>
</a>
</div>

<div class="nav-links">
<a href="logout.php" style="background: #e74c3c; color: white; padding: 10px 20px; border-
radius: 5px; text-decoration: none;">Logout</a>
```

```
</div>
</div>
</body>
</html>5.  add_student.php:
<?php
include('db.php');
session_start();
if (!isset($_SESSION['admin'])) {
header("Location: admin_login.php");
}

if (isset($_POST['add'])) {
  $regno = $_POST['regno'];
  $name = $_POST['name'];
  $dept = $_POST['dept'];
  $pass = $_POST['password'];

  $sql = "INSERT INTO students (regno, name, dept, password) VALUES
('$regno','$name','$dept','$pass')";
if(mysqli_query($conn, $sql)) {
    $success = "Student Added Successfully!";
  } else {
    $error = "Error adding student: " .mysqli_error($conn);
  }
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Add Student - SRMS</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<div class="header">
<h2>Add New Student</h2>
<p>Register a new student in the system</p>
</div>

<?php if(isset($success)): ?>
<div class="alert alert-success"><?php echo $success; ?></div>
<?php endif; ?>

<form method="POST">
<div class="form-group">
<label>Register Number:</label>
<input type="text" name="regno" placeholder="Enter register number" required>
</div>

<div class="form-group">
<label>Full Name:</label>
<input type="text" name="name" placeholder="Enter student name" required>
```

```
</div>

<div class="form-group">
<label>Department:</label>
<input type="text" name="dept" placeholder="Enter department" required>
</div>

<div class="form-group">
<label>Password:</label>
<input type="text" name="password" placeholder="Set login password" required>
</div>

<button type="submit" name="add" class="btn">Add Student</button>
</form>

<div class="nav-links">
<a href="admin_dashboard.php">← Back to Dashboard</a>
</div>
</div>
</body>
</html>
```

6. add_result.php:

```
<?php
include('db.php');
session_start();
if (!isset($_SESSION['admin'])) {
header("Location: admin_login.php");
}

if (isset($_POST['submit'])) {
  $regno = $_POST['regno'];
  $s1 = $_POST['subject1'];
  $s2 = $_POST['subject2'];
  $s3 = $_POST['subject3'];
  $s4 = $_POST['subject4'];
  $s5 = $_POST['subject5'];
  $total = $s1 + $s2 + $s3 + $s4 + $s5;

  if ($total >= 450) $grade = "A+";
  elseif ($total >= 400) $grade = "A";
  elseif ($total >= 350) $grade = "B";
  else $grade = "C";

  $query = "INSERT INTO results (regno, subject1, subject2, subject3, subject4, subject5,
total, grade)
          VALUES ('$regno','$s1','$s2','$s3','$s4','$s5','$total','$grade')";
if(mysqli_query($conn, $query)) {
   $success = "Result Added Successfully! Total: $total | Grade: $grade";
  } else {
   $error = "Error adding result: " .mysqli_error($conn);
  }
```

```
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Add Result - SRMS</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<div class="header">
<h2>Add Student Result</h2>
<p>Enter marks for student subjects</p>
</div>

<?php if(isset($success)): ?>
<div class="alert alert-success"><?php echo $success; ?></div>
<?php endif; ?>

<form method="POST">
<div class="form-group">
<label>Register Number:</label>
<input type="text" name="regno" placeholder="Enter register number" required>
</div>

<div class="form-group">
<label>Subject 1 Marks:</label>
<input type="number" name="subject1" min="0" max="100" placeholder="Enter marks"
required>
</div>

<div class="form-group">
<label>Subject 2 Marks:</label>
<input type="number" name="subject2" min="0" max="100" placeholder="Enter marks"
required>
</div>

<div class="form-group">
<label>Subject 3 Marks:</label>
<input type="number" name="subject3" min="0" max="100" placeholder="Enter marks"
required>
</div>

<div class="form-group">
<label>Subject 4 Marks:</label>
<input type="number" name="subject4" min="0" max="100" placeholder="Enter marks"
required>
</div>

<div class="form-group">
<label>Subject 5 Marks:</label>
<input type="number" name="subject5" min="0" max="100" placeholder="Enter marks"
```

```
required>
</div>

<button type="submit" name="submit" class="btn">Add Result</button>
</form>

<div class="nav-links">
<a href="admin_dashboard.php">← Back to Dashboard</a>
</div>
</div>
</body>
</html>
```

7. student_login.php:

```
<?php
include('db.php');
session_start();

if (isset($_POST['login'])) {
  $regno = $_POST['regno'];
  $password = $_POST['password'];

  $query = "SELECT * FROM students WHERE regno='$regno' AND
password='$password'";
  $result = mysqli_query($conn, $query);

  if (mysqli_num_rows($result) == 1) {
    $_SESSION['student'] = $regno;
header("Location: view_result.php");
  } else {
    echo "<script>alert('Invalid Login Credentials');</script>";
  }
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Student Login - SRMS</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<div class="header">
<div class="logo">S</div>
<h2>Student Login</h2>
<p>View your academic results</p>
</div>

<form method="POST">
<div class="form-group">
<label>Register Number:</label>
<input type="text" name="regno" placeholder="Enter register number" required>
```

```
</div>

<div class="form-group">
<label>Password:</label>
<input type="password" name="password" placeholder="Enter password" required>
</div>

<button type="submit" name="login" class="btn" style="background: linear-
gradient(45deg, #11998e, #38ef7d);">Login</button>
</form>

<div class="nav-links">
<a href="index.php">← Back to Home</a>
</div>
</div>
</body>
</html>
```

8. view_result.php:

```
<?php
include('db.php');
session_start();
if (!isset($_SESSION['student'])) {
header("Location: student_login.php");
}

$regno = $_SESSION['student'];
$query = "SELECT * FROM results WHERE regno='$regno'";
$res = mysqli_query($conn, $query);

// Get student details
$student_query = "SELECT name, dept FROM students WHERE regno='$regno'";
$student_result = mysqli_query($conn, $student_query);
$student = mysqli_fetch_assoc($student_result);
?>
<!DOCTYPE html>
<html>
<head>
<title>Student Result - SRMS</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="dashboard">
<div class="dashboard-header">
<h1>Academic Result</h1>
<p>Official Grade Card</p>
</div>

<?php if (mysqli_num_rows($res) > 0):
    $row = mysqli_fetch_assoc($res); ?>

<div class="result-card">
```

```
<h3>Student Details</h3>
<p><strong>Name:</strong><?php echo $student['name']; ?></p>
<p><strong>Register No:</strong><?php echo $row['regno']; ?></p>
<p><strong>Department:</strong><?php echo $student['dept']; ?></p>
</div>

<h3 style="margin-top: 30px;">Subject-wise Marks</h3>
<div class="subject-marks">
<div class="subject">
<h4>Subject 1</h4>
<p><?php echo $row['subject1']; ?>/100</p>
</div>
<div class="subject">
<h4>Subject 2</h4>
<p><?php echo $row['subject2']; ?>/100</p>
</div>
<div class="subject">
<h4>Subject 3</h4>
<p><?php echo $row['subject3']; ?>/100</p>
</div>
<div class="subject">
<h4>Subject 4</h4>
<p><?php echo $row['subject4']; ?>/100</p>
</div>
<div class="subject">
<h4>Subject 5</h4>
<p><?php echo $row['subject5']; ?>/100</p>
</div>
</div>

<div style="text-align: center; margin: 30px 0;">
<div style="background: #2c3e50; color: white; padding: 20px; border-radius: 10px; display:
inline-block;">
<h3>Total Marks: <?php echo $row['total']; ?>/500</h3>
<h2>Grade: <?php echo $row['grade']; ?></h2>
</div>
</div>

<?php else: ?>
<div style="text-align: center; padding: 40px;">
<h3>No result found for this register number.</h3>
<p>Please contact your department.</p>
</div>
<?php endif; ?>

<div class="nav-links">
<a href="logout.php" style="background: #e74c3c; color: white; padding: 10px 20px; border-
radius: 5px; text-decoration: none;">Logout</a>
</div>
</div>
</body>
</html>
```

9. logout.php:

```
<?php
session_start();
session_destroy();
header("Location: index.php");
?>
```

10.style.css:

```
/* style.css */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}

body {
    background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
    min-height: 100vh;
    display: flex;
    justify-content: center;
    align-items: center;
}

.container {
    background: white;
    border-radius: 15px;
    box-shadow: 0 15px 30px rgba(0, 0, 0, 0.3);
    padding: 40px;
    width: 90%;
    max-width: 500px;
    margin: 20px;
}

.header {
    text-align: center;
    margin-bottom: 30px;
    padding-bottom: 20px;
    border-bottom: 2px solid #f0f0f0;
}

.logo {
    width: 80px;
    height: 80px;
    background: linear-gradient(45deg, #667eea, #764ba2);
    border-radius: 50%;
    margin: 0 auto 15px;
    display: flex;
    align-items: center;
    justify-content: center;
    color: white;
```

```
    font-size: 24px;
    font-weight: bold;
}

h1, h2 {
    color: #333;
    margin-bottom: 10px;
}

h1 {
    font-size: 28px;
    color: #2c3e50;
}

.form-group {
    margin-bottom: 20px;
}

label {
    display: block;
    margin-bottom: 5px;
    color: #555;
    font-weight: 500;
}

input[type="text"],
input[type="password"],
input[type="number"] {
    width: 100%;
    padding: 12px 15px;
    border: 2px solid #e0e0e0;
    border-radius: 8px;
    font-size: 16px;
    transition: all 0.3s ease;
}

input[type="text"]:focus,
input[type="password"]:focus,
input[type="number"]:focus {
    border-color: #667eea;
    outline: none;
    box-shadow: 0 0 0 3px rgba(102, 126, 234, 0.1);
}

.btn {
    background: linear-gradient(45deg, #667eea, #764ba2);
    color: white;
    border: none;
    padding: 12px 30px;
    border-radius: 8px;
    font-size: 16px;
    font-weight: 600;
```

```
    cursor: pointer;
    transition: all 0.3s ease;
    width: 100%;
}

.btn:hover {
    transform: translateY(-2px);
    box-shadow: 0 5px 15px rgba(102, 126, 234, 0.4);
}

.nav-links {
    text-align: center;
    margin-top: 20px;
}

.nav-links a {
    color: #667eea;
    text-decoration: none;
    margin: 0 10px;
    font-weight: 500;
    transition: color 0.3s ease;
}

.nav-links a:hover {
    color: #764ba2;
    text-decoration: underline;
}

.dashboard {
    background: white;
    border-radius: 15px;
    box-shadow: 0 15px 30px rgba(0, 0, 0, 0.3);
    padding: 40px;
    width: 90%;
    max-width: 800px;
    margin: 20px;
}

.dashboard-header {
    background: linear-gradient(45deg, #667eea, #764ba2);
    color: white;
    padding: 30px;
    border-radius: 10px;
    text-align: center;
    margin-bottom: 30px;
}

.menu-grid {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
    gap: 20px;
    margin: 30px 0;
```

```
}

.menu-card {
    background: #f8f9fa;
    padding: 25px;
    border-radius: 10px;
    text-align: center;
    text-decoration: none;
    color: #333;
    transition: all 0.3s ease;
    border: 2px solid transparent;
}

.menu-card:hover {
    transform: translateY(-5px);
    border-color: #667eea;
    box-shadow: 0 10px 20px rgba(0, 0, 0, 0.1);
}

.result-card {
    background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
    color: white;
    padding: 30px;
    border-radius: 15px;
    margin: 20px 0;
}

.subject-marks {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(150px, 1fr));
    gap: 15px;
    margin: 20px 0;
}

.subject {
    background: rgba(255, 255, 255, 0.2);
    padding: 15px;
    border-radius: 8px;
    text-align: center;
}
.alert {
    padding: 15px;
    border-radius: 8px;
    margin: 15px 0;
    text-align: center;
}

.alert-success {
    background: #d4edda;
    color: #155724;
    border: 1px solid #c3e6cb;
}
```

Outcomes Achieved:

- **A fully functional result management system**
- **Secure user login**
- **Automatic grade calculations**
- **User-friendly interface**
- **Successful data storage**

Application Areas:

- **Schools and colleges**
- **Coaching centers**
- **Training institutes**
- **Educational organizations**

Demo URL

http://localhost/student_result_management

GitHub Link

https://github.com/shivani-grace0129/Internet-Programming