**3.Front-End Design and Testing Program** for the **Student Management System** with the specified modules: Login/Logout, Admin functionalities to manage students and departments, assigning students to departments and semesters, uploading student marks, and allowing students to view details, marks, and mark attendance.

1. **Login and Logout Page (HTML, CSS, and JavaScript)**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Student Management - Login</title>

<style>

body { font-family: Arial, sans-serif; margin: 0; padding: 0; background-color: #f4f4f4; }

.container { width: 100%; height: 100vh; display: flex; justify-content: center; align-items: center; }

.login-box { background-color: white; padding: 30px; border-radius: 5px; box-shadow: 0 0 15px rgba(0, 0, 0, 0.1); }

.login-box h2 { margin-bottom: 20px; }

input[type="text"], input[type="password"] { width: 100%; padding: 10px; margin: 10px 0; border-radius: 5px; border: 1px solid #ccc; }

input[type="submit"] { width: 100%; padding: 10px; background-color: #4CAF50; color: white; border: none; border-radius: 5px; cursor: pointer; }

input[type="submit"]:hover { background-color: #45a049; }

</style>

</head>

<body>

<div class="container">

<div class="login-box">

<h2>Login</h2>

<form id="loginForm">

<input type="text" id="username" name="username" placeholder="Username" required>

<input type="password" id="password" name="password" placeholder="Password" required>

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

</form>

<div id="loginStatus"></div>

</div>

</div>

<script>

document.getElementById("loginForm").addEventListener("submit", function(event) {

event.preventDefault();

const username = document.getElementById("username").value;

const password = document.getElementById("password").value;

// Simulate login

if(username === "admin" && password === "admin123") {

document.getElementById("loginStatus").innerHTML = "<p style='color: green;'>Login successful! <a href='admin\_dashboard.html'>Go to Admin Dashboard</a></p>";

} else if(username === "student" && password === "student123") {

document.getElementById("loginStatus").innerHTML = "<p style='color: green;'>Login successful! <a href='student\_dashboard.html'>Go to Student Dashboard</a></p>";

} else {

document.getElementById("loginStatus").innerHTML = "<p style='color: red;'>Invalid credentials, please try again.</p>";

}

});

</script>

</body>

</html>

1. Admin Panel - Add Students, Departments & Assignments (HTML & JavaScript)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Admin Dashboard</title>

<style>

body { font-family: Arial, sans-serif; background-color: #f4f4f4; margin: 0; padding: 0; }

.container { width: 70%; margin: 50px auto; background-color: white; padding: 20px; border-radius: 5px; box-shadow: 0 0 10px rgba(0, 0, 0, 0.1); }

h2 { text-align: center; }

input[type="text"], input[type="submit"], select { width: 100%; padding: 10px; margin: 10px 0; border-radius: 5px; border: 1px solid #ccc; }

input[type="submit"] { background-color: #4CAF50; color: white; border: none; cursor: pointer; }

input[type="submit"]:hover { background-color: #45a049; }

</style>

</head>

<body>

<div class="container">

<h2>Admin Dashboard</h2>

<!-- Add Student -->

<h3>Add New Student</h3>

<form id="addStudentForm">

<input type="text" id="studentName" placeholder="Student Name" required>

<input type="text" id="studentId" placeholder="Student ID" required>

<input type="submit" value="Add Student" onclick="addStudent(); return false;">

</form>

<!-- Add Department -->

<h3>Add Department</h3>

<form id="addDepartmentForm">

<input type="text" id="departmentName" placeholder="Department Name" required>

<input type="submit" value="Add Department" onclick="addDepartment(); return false;">

</form>

<!-- Assign Student to Department -->

<h3>Assign Student to Department & Semester</h3>

<form id="assignStudentForm">

<input type="text" id="assignStudentId" placeholder="Student ID" required>

<select id="departmentSelect" required>

<option value="CS">Computer Science</option>

<option value="ECE">Electronics</option>

</select>

<select id="semesterSelect" required>

<option value="Semester 1">Semester 1</option>

<option value="Semester 2">Semester 2</option>

</select>

<input type="submit" value="Assign Student" onclick="assignStudent(); return false;">

</form>

<!-- Upload Marks -->

<h3>Upload Student Marks</h3>

<form id="uploadMarksForm">

<input type="text" id="marksStudentId" placeholder="Student ID" required>

<input type="text" id="marks" placeholder="Marks" required>

<input type="submit" value="Upload Marks" onclick="uploadMarks(); return false;">

</form>

</div>

<script>

function addStudent() {

alert("New student added successfully!");

}

function addDepartment() {

alert("New department added successfully!");

}

function assignStudent() {

alert("Student assigned to department and semester successfully!");

}

function uploadMarks() {

alert("Marks uploaded successfully!");

}

</script>

</body>

</html>

1. **Student Dashboard - View Details and Marks (HTML & JavaScript)**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Student Dashboard</title>

<style>

body { font-family: Arial, sans-serif; background-color: #f4f4f4; margin: 0; padding: 0; }

.container { width: 50%; margin: 50px auto; background-color: white; padding: 20px; border-radius: 5px; box-shadow: 0 0 10px rgba(0, 0, 0, 0.1); }

h2 { text-align: center; }

table { width: 100%; border-collapse: collapse; }

table, th, td { border: 1px solid #ddd; }

th, td { padding: 12px; text-align: left; }

th { background-color: #4CAF50; color: white; }

</style>

</head>

<body>

<div class="container">

<h2>Student Dashboard</h2>

<h3>Your Details</h3>

<table>

<tr>

<th>Student ID</th>

<th>Name</th>

<th>Department</th>

<th>Semester</th>

</tr>

<tr>

<td>12345</td>

<td>John Doe</td>

<td>Computer Science</td>

<td>Semester 1</td>

</tr>

</table>

<h3>Your Marks</h3>

<table>

<tr>

<th>Subject</th>

<th>Marks</th>

</tr>

<tr>

<td>Mathematics</td>

<td>85</td>

</tr>

<tr>

<td>Physics</td>

<td>90</td>

</tr>

</table>

<h3>Mark Attendance for Today</h3>

<form id="attendanceForm">

<input type="submit" value="Mark Attendance" onclick="markAttendance(); return false;">

</form>

</div>

<script>

function markAttendance() {

alert("Attendance marked successfully for today!");

}

</script>

</body>

</html>

**4. Admin: Upload Marks (HTML & JavaScript)**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Upload Marks</title>

<style>

body { font-family: Arial, sans-serif; background-color: #f4f4f4; margin: 0; padding: 0; }

.container { width: 50%; margin: 50px auto; background-color: white; padding: 20px; border-radius: 5px; box-shadow: 0 0 10px rgba(0, 0, 0, 0.1); }

h2 { text-align: center; }

input[type="text"], input[type="submit"] { width: 100%; padding: 10px; margin: 10px 0; border-radius: 5px; border: 1px solid #ccc; }

input[type="submit"] { background-color: #4CAF50; color: white; border: none; cursor: pointer; }

input[type="submit"]:hover { background-color: #45a049; }

</style>

</head>

<body>

<div class="container">

<h2>Upload Marks</h2>

<form id="uploadMarksForm">

<input type="text" id="marksStudentId" placeholder="Student ID" required>

<input type="text" id="marks" placeholder="Marks" required>

<input type="submit" value="Upload Marks" onclick="uploadMarks(); return false;">

</form>

</div>

<script>

function uploadMarks() {

alert("Marks uploaded successfully!");

}

</script>

</body>

</html>