Name of the Project: Student Management System.

Course Code: CSE - 3104
Course Title: Software Engineering Laboratory

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Project Name: Student Management System

Introduction:

This project is a Student Management System, a web-based app that helps schools, colleges, or coaching centers manage their daily tasks in a smart and digital way.
The system replaces old paper-based record-keeping with a modern online system. All student data, exam schedules, and batch details are stored in one place, making the work faster, easier, and more accurate.

Objectives:

The main goals of this project are:
- To build and run a working web app for managing student information.
- To learn and use the main web technologies — PHP and MySQL.
- To create an easy-to-use system for teachers and administrators.
- To manage student records, batches, and exam details in one platform.

Technology Used:

This project is built using reliable and popular web technologies:

- **Backend (Server-side):** PHP – handles logic, data processing, and database operations.
- **Database:** MySQL – stores all information like student lists, user accounts, exams, and batches.
- **Frontend (Client-side):** HTML, CSS, JavaScript – used to design the interface that users see.
- **Server Environment:** XAMPP – used to run the Apache server and MySQL database locally.

Key Features of the System:

This Student Management System includes several important features:

- **Secure Login:**
  Only authorized users (like admin or teachers) can log in.

- **Dashboard:**
  A home page showing important updates and summaries.

- **Student Management:**
  Add, view, edit, or delete student records easily.

- **Batch Management:**

Create and manage course batches with time and schedule.

- **Exam Management:**
  Create exam timetables, input marks (MCQ & Written), and view results.

- **Modular Design:**
  Each part (like Student Module or Exam Module) is separate, so the system is easy to update and maintain.

Advantages of the System:

Using this system gives many benefits:

- **Saves Time:**
  Automates many tasks for staff and teachers.

- **More Accurate:**
  Reduces mistakes caused by manual data entry.

- **Centralized Data:**
  All information is stored safely in one place.

- **Quick Reports:**
  Easy to find student records or exam results anytime.

- **Future Growth:**
  New features (like attendance or teacher module) can be added later.

Working Process:

- The Admin logs into the system through a secure login panel.
- The admin can add or update student records, create batches, and schedule exams.
- Teachers can view batch lists, enter marks, and check results.
- All the data entered gets saved into the MySQL database.
- If the app is hosted online, users can access it from any device through a browser.

Conclusion:

This Student Management System project successfully demonstrates how web technology can simplify and modernize educational management.
By building this system, we were able to design a platform that is efficient, secure, and reliable for handling student data.

The final system helps administrators, teachers, and staff to work together easily — saving time, reducing errors, and improving data management.
It is a great example of how technology can replace traditional paper-based systems and bring education management into the digital age.