



Report on Project: Student Attendance Management System

Course Information

Course: CSE480 Web Database Programming (Sections 1)

Instructor: Abdus Satter, Adjunct Faculty, CSE Dept.

Project Name

Title of Project	Student Attendance Management System
Student (ID & Name)	Sk. Amir Hamza (2017-1-60-091)

Project Purpose

The 'Student Attendance Management System' project's goal is to provide a reliable attendance system for online classrooms or courses. In today's environment, there are a variety of venues for taking or engaging in online courses. Most of these platforms lack a reliable attendance system for students in various classes, as well as an easy-to-use attendance management system for lecturers and course instructors. The creation of such a system can aid in improving student involvement while also reducing the annoyance to course teachers. Furthermore, the system may be used as an alternative to the traditional attendance management system, as the old method demands a significant amount of time and effort to handle papers and compute statistics.

Project Goals and Objectives

The goals and objectives of the Student Attendance Management System are as follows:

1. To develop a simple, quick, and dependable solution that can be utilized on both online and offline platforms as an alternative to existing attendance tracking systems.
2. Develop a system that allows a teacher to generate individual student attendance records (daily, weekly, and monthly) with a few mouse clicks.

3. To build a trouble-free platform where students may report their daily attendance on their own, saving both the time of the students and the time of the teachers.
4. Create not only an attendance tracking system, but also a concept for integrating the system with online course administration.

Project Description

The 'Student Attendance Management System' was created. This web application is built on a database that may be utilized in online class platforms or as a replacement to the classic 'Call and Response' attendance tracking system. The kids' attendance records are maintained in a database. Individual student reports can be generated by teachers to determine attendance scores. A instructor can make attendance records for individual students by setting the length of specific courses to daily, weekly, or monthly. It allows teachers to save time by automating the process of finding documentation for each student and calculating attendance scores. Students can also produce attendance records for the courses in which they are enrolled. In short, this is an effective technique for keeping track of a large number of students' attendance as well as a more comfortable and speedier way for calculating attendance ratings. This web-based program also has a course administration system, which shows how an attendance tracking system may be integrated into existing online academies.

Scope

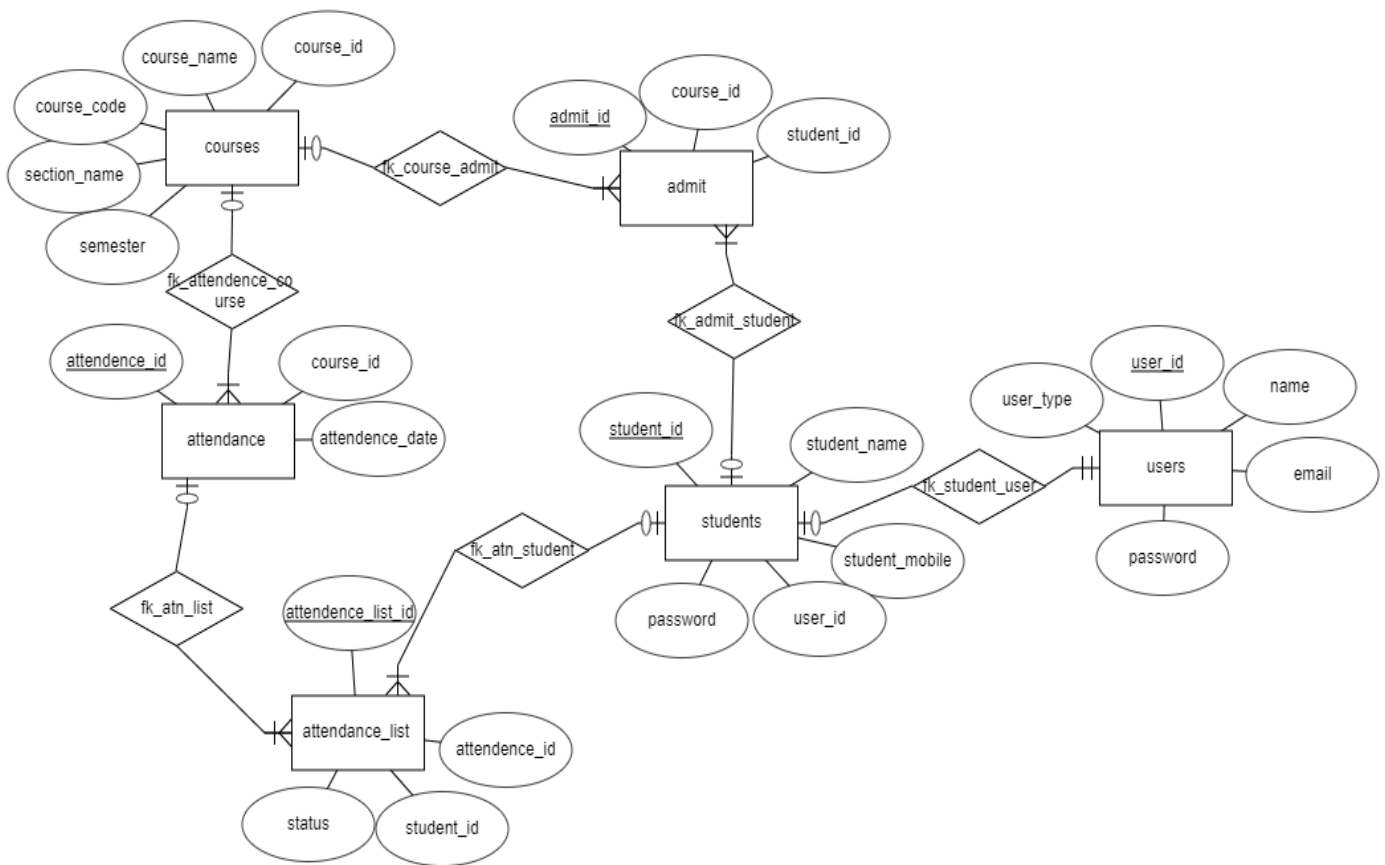
The designed system is primarily focused on student attendance management, in which students may report their attendance for their classes on a regular basis and teachers can generate attendance records for their students. The system may be upgraded to a student management system for an academy or educational institution with more work and effort, or the attendance management system can be linked into existing student management systems with more work and effort. It may also be turned into an employee attendance tracking system, which is particularly useful for businesses.

System Users

- **Administrators:** The web application is completely under the control of the administrators. Courses may be added to the system, professors can be assigned to courses, and courses can be deleted. He or she can also change the essential information for students and teachers.
- **Students:** Students with an authenticated login will have access to features such as producing their attendance report, reporting attendance for courses, requesting to discontinue a course, and so on.

Database

The Entity Relationship Diagram of the Database of the project Student Attendance Management System:



Processes

- **Login:** All system users (Administrators, Students) have to go through authorization before accessing the functionalities. Using email and a unique password, a user can sign in to his/her account, and if the provided email or password do not match with the one s/he has provided during signing up, s/he will not be able to sign in and will be notified with an error message.

Attendance Management System

Login Your Account

Email Address

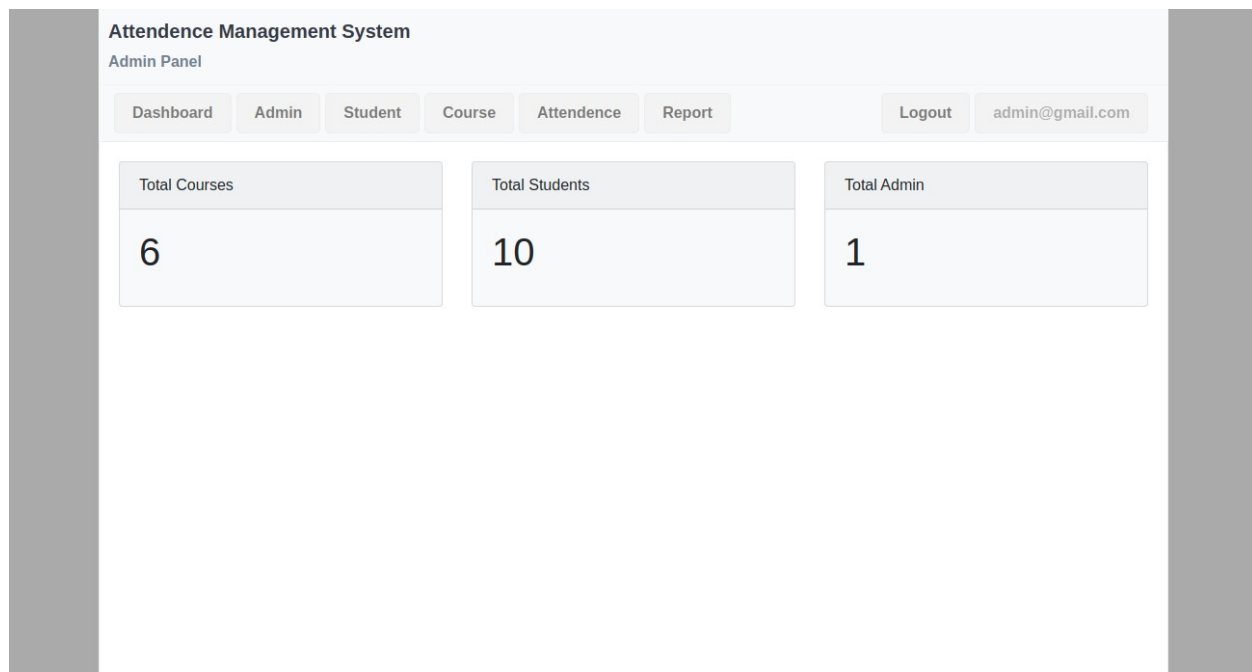
admin@gmail.com

Password

Submit

Figure 1 Sign in Example Screenshot (Student)

- **Admin Dashboard (By Admin):** After admin signin admin can see dashboard.



- **Student List (By Admin):** After admin sign in admin can see student list.

Attendance Management System					
Admin Panel					
Dashboard	Admin	Student	Course	Attendance	Report
				Logout	admin@gmail.com
Create Student					
#	Student Name	Student Mobile	Student Email	password	
1	Alice	01777564786	alice@gmail.com	123456	<button>Edit</button> <button>Delete</button>
2	Bob	+8801777564786	bob@gmail.com	enlm2m	<button>Edit</button> <button>Delete</button>
3	Fleming	01123456789	fleming@gmail.com	9yxzba	<button>Edit</button> <button>Delete</button>
4	Roberts	01777564786	roberts@gmail.com	6qu43u	<button>Edit</button> <button>Delete</button>
7	Phillips	01777564786	phillips@gmail.com	w5yypl	<button>Edit</button> <button>Delete</button>
8	Thomas	+8801777564786	thomas@gmail.com	7w4mu9	<button>Edit</button> <button>Delete</button>
9	Harris	+8801777564786	harris@gmail.com	21fbvv	<button>Edit</button> <button>Delete</button>
10	Lambert	01991223020	lambert@gmail.com	0xxezq	<button>Edit</button> <button>Delete</button>

- **Couse List (By Admin):** After admin sign in admin can see course list.

Attendance Management System

Admin Panel

Dashboard

Admin

Student

Course

Attendance

Report

Logout

admin@gmail.com

Create Course

#	Course Code	Course Name	Section	Semester	
1	CSE480	Web Database Programming	A	Fall 2021	<div>Show</div> <div>Edit</div> <div>Delete</div>
2	CSE105	Structured Programming	A	Fall 2021	<div>Show</div> <div>Edit</div> <div>Delete</div>
3	CSE107	Object Oriented Programming	A	Fall 2021	<div>Show</div> <div>Edit</div> <div>Delete</div>
4	CSE245	Algorithms	A	Fall 2021	<div>Show</div> <div>Edit</div> <div>Delete</div>
5	CSE207	Data Structures	A	Fall 2021	<div>Show</div> <div>Edit</div> <div>Delete</div>
6	CSE301	Database Systems	A	Fall 2021	<div>Show</div> <div>Edit</div> <div>Delete</div>

- **Take Attendance (By Admin):** After login admin can take attendance

Attendance Management System

Admin Panel

Dashboard

Admin

Student

Course

Attendance

Report

Logout

admin@gmail.com

Select Course

Attendance Date

Web Database Programmin

01/11/2022

Take Attendance

Student Id	Student Name	
1	Alice	<input type="radio"/> Present <input type="radio"/> Absent
2	Bob	<input type="radio"/> Present <input type="radio"/> Absent
3	Fleming	<input type="radio"/> Present <input type="radio"/> Absent
4	Roberts	<input type="radio"/> Present <input type="radio"/> Absent
7	Phillips	<input type="radio"/> Present <input type="radio"/> Absent
8	Thomas	<input type="radio"/> Present <input type="radio"/> Absent
9	Harris	<input type="radio"/> Present <input type="radio"/> Absent

- **Attendance Report (By Admin):** After login admin can attendance report

Attendance Management System
Admin Panel

Dashboard
Admin
Student
Course
Attendance
Report
Logout
admin@gmail.com

Student Id
Select Course
Start Date
End Date

Web Database Programmir

01/01/2022

01/31/2022

Generate Attendance Report

Print Report

Web Database Programming (CSE480)
Section: A
Semester: Fall 2021

January - 2022

ID	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T.P.	T.A.
1	Alice	P	P		P		P		P						P		P			P			P					P		P	P	12	0	
2	Bob	P	A		P		A		P						P		P			P			P					P		P	P	10	2	
3	Fleming	P	P		P		P		P						A		A			A			P					A		P	P	8	4	
4	Roberts	A	A		P		P		P						P		P			P			A					P		A	A	7	5	
7	Phillips	A	P		P		P		P						P		P			A			P					A		A	A	7	5	
8	Thomas	A	A		A		P		P						P		P			P			A					P		P	A	7	5	
9	Harris	P	P		A		P		P						A		A			P			P					P		P	P	9	3	
10	Lambert	A	A		P		P		P						A		A			A			P					P		P	P	7	5	
11	Scott	A	P		P		P		P						P		P			P			P					P		P	P	11	1	
12	Jones	P	A		P		P		P						P		P			P			P					P		P	P	11	1	

- **Attendance Report Print (By Admin):** After login admin can attendance report and print report page

Attendance Management System
Student Panel

Dashboard
Course
Report

Logout
fleming@gmail.com

#	Course Code	Course Name	Section	Semester
1	CSE480	Web Database Programming	A	Fall 2021
2	CSE105	Structured Programming	A	Fall 2021

- Student Report (By Student):** After student login admin can see her attendance Report

Attendance Management System
Student Panel

Dashboard
Course
Report

Logout
fleming@gmail.com

Select Course
Web Database Programmin

Start Date
01/01/2022

End Date
01/31/2022

Generate Attendance Report

Print Report

Web Database Programming (CSE480)
Section: A
Semester: Fall 2021

January - 2022

ID	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T.P.	T.A.
3	Fleming	P	P		P		P		P						A		A			A			P					A		P		P	8	4

Technology

Frontend Language: HTML, CSS, Bootstrap, JavaScript.

Backend Language: PHP, MySQL.

Operating System: Linux.