CLASS WAVE

(A College Management System Software)

A mini project report submitted for the partial fulfilment of the requirement of the award of the degree of

MASTER OF COMPUTER APPLICATIONS

Submitted by

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Under the Guidance of

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BONAFIDE CERTIFICATE

This is to certify that the mini project entitled

CLASS WAVE

(A College Management System Software)

Being submitted to the University of Madras, Chennai

by

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for the partial fulfilment for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

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Submitted for the Viva-voce Examination held on _____

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DATE :

1.

PLACE :

2.

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ABSTRACT

CLASS WAVE

(A College Management System Software)

College Management System is a large database system which can be used for managing your college day to day business. College Management System allows users to store almost all of their college information electronically, including information on students, parents details & teaching meteorites etc. Most importantly, this information can be easily shared with authorized users, records can be easily searched, and reports can be easily generated.
College Management System is software which is helpful for students as well as the college authorities. In the current system all the activities are done manually. It is very time consuming and costly. Our College Management System deals with the various
An efficient Student Management Solution that, enables in maintaining and give the promotions and remarks for the student in the College management system. College Management System will work on college area network. Under this system it will include all the departments which comes a particular college. It will have billing system for finance department, library system for carrying out the task of library department, class attendance, online notes and notice board so that their students can get all the information by using their valid registration id and password. If any student has not able to submit their library book on time, then he/she will fine a charge of requested amount. Let us see how this system will work. When he/she will ask for dues clearance from library department, then he/she will get an unique bill id from the library department.

That person have to visit finance department and submit their bill id, where the finance department will get information of that particular candidates that how much amount is to be taken from that candidate and from which department and year that candidate belongs to. This system will also help the college administrator. Administrator will able to get all the information regarding any faculty members on particular day and time. Admin panel will also able to edit the login display panel of teachers, staff members, students etc

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CHAPTER –1 INTRODUCTION

1.1 ABOUT THE PROJECT:

Colleges and Universities are the foundation of knowledge and an educational body on which students rely upon. Therefore, they need to maintain a proper database of its students to keep all the updated records and easily share information with students.

Most Colleges and Universities count on an advanced software tool knows as 'College Information System (CIS)' to keep all their student records and administrative operations including, examinations, attendance, and other activities.

Over the recent years, the performance and efficiency of the education industry have been enhanced by using the college Management System. This tool has productively taken over the workload of the admin department with its well-organized, easy, and reliable online College management software.

There are mainly 3 modules in this software

- Admin module
- Student Module
- Teacher Module

In the Software we can register as a user and user has of three types, student, teacher and administrator. Administrator has the power to add new user and can edit and delete a user. A student can register as user and can add edit and delete his profile.
A teacher can register as user and can add edit and delete his profile and can add student marks and attendance for the student .
The administrator can add edit and delete data of the student. Can add / delete teachers and staffs.

CHAPTER –2 SYSTEM ANALYSIS

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system. During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram, interviews, etc. Training, experience and common sense are required for collection of relevant information needed to develop the system.

A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus, it should be studied thoroughly by collecting data about the system. Then the proposed system should be analyzed thoroughly in accordance with the needs. System analysis can be categorized into four parts. ⎪System planning and initial investigation ⎪Information Gathering ⎪Applying analysis tools for structured analysis ⎪Feasibility study ⎪Cost/ Benefit analysis. In the current system we need to keep a number of records related to the student and want to enter the details of the student and the marks manually. In this system only, the teacher or the school authority views the mark of the student and they want to enter the details of the student. This is time consuming and has much cost.

2.1 PROBLEM DEFINITION:

Enhancing Efficiency and Transparency in College Management

In the dynamic and ever-evolving landscape of higher education, colleges and universities face an array of administrative and operational challenges. These challenges include managing student data, course scheduling, academic performance tracking, and overall institution-wide communication. The existing college management system exhibits several shortcomings, which are hindering the institution's ability to meet the demands of modern education and provide a seamless experience for students, faculty, and administrators.

The current college management system suffers from data redundancy, inaccuracy, and fragmentation, resulting in inefficiencies and obstacles in making informed decisions. Limited accessibility, complicated user interfaces, and the absence of seamless integration with other essential software tools lead to communication gaps and hamper productivity. Furthermore, the system's outdated technology, security

vulnerabilities, and scalability issues pose significant risks to data security and institutional growth.

As a result of these challenges, there is a pressing need to develop and implement an upgraded college management system that addresses these critical issues. This system should enhance efficiency, transparency, and accessibility while ensuring data security, scalability, and compliance with regulatory requirements. The goal is to create a comprehensive, user-friendly, and adaptive platform that empowers educational institutions to provide an improved learning experience for students, facilitate administrative processes, and stay competitive in the education sector.

This documentation will outline the design, development, and implementation of the new College Management System, offering a comprehensive solution to these problems and setting the stage for a more efficient and transparent management system in higher education.

2.2 EXISTING SYSTEM:

The college is currently operating with a College Management System (CMS) that has been in place for several years. The software is a platform-specific application that serves as the backbone for various administrative, academic, and communication processes within the institution.

Existing Challenges and Limitations:

Data Redundancy and Inaccuracy: Data inconsistency and inaccuracies have been observed due to manual entry and multiple data sources.

Limited Accessibility: The system lacks mobile compatibility, limiting accessibility for students and faculty who rely on smartphones and tablets.

Outdated Technology: Frequent system crashes, performance issues, and the need for constant maintenance indicate a need for technology upgrades.

Security Vulnerabilities: Inadequate security measures have raised concerns about data privacy and system integrity.

Scalability Issues: The system struggles to adapt to the growing demands of the institution as it expands.

Inefficient Workflow: Many processes remain manual, leading to time-consuming administrative tasks.

High Maintenance Costs: The college incurs significant costs in maintaining the outdated system.
Vendor Dependency: The institution relies heavily on a single vendor, resulting in limited flexibility.

2.3 PROPOSED SYSTEM:

Proposed College Management System

The proposed College Management System (CMS) aims to address the existing challenges and limitations of the current system while providing a comprehensive, efficient, and user-friendly platform for the college's administrative and academic needs. The new CMS will introduce a range of features and improvements to enhance the overall management and functioning of the institution.

Streamlined Data Management:

A centralized and secure database for student records, ensuring data accuracy and consistency.

Efficient Attendance and Timetable Management:

Real-time attendance tracking with visibility to logins of parents and students.

Mobile Accessibility:

As the software is web-based can be access through various platforms and devices.

Cost-Efficiency:

Minimized maintenance costs through efficient, modern technology and institutional based solutions.

Flexibility:

Reducing dependency on a single vendor to enhance flexibility and cost management.

CHAPTER –3 SYSTEM REQUIREMENTS

3.1 HARDWARE SPECIFICATION:

PROCESSOR	:	INTEL PENTIUM or AMD RYZEN 3 or Above
PROCESSOR SPEED	:	Greater than 1.5GHZ
RAM	:	2 GB OR MORE
MONITOR	:	STANDARD LCD MONITOR
KEYBOARD	:	STANDARD KEYBOARD
OPERATING SYSTEM	:	WINDOWS 8 or ABOVE
HDD	:	256 GB OR ABOVE
MOUSE	:	ANY

3.2 SOFTWARE SPECIFICATION:

CODE EDITOR	:	VS CODE EDITOR
FRONT END	:	Html,CSS, JavaScript
BACK END	:	PHP 5.6
DATABASE	:	MySql community
OPERATING SYSTEM	:	WINDOWS 8/10

CHAPTER –4 DESIGN AND IMPLEMENTATION

4.1 ARCHITECTURE DIAGRAM

1. System Architecture

1.1 High-Level Overview

The CMS is designed as a web-based system with a client-server architecture. It uses a multi-tier architecture with the following layers: presentation, application, and data.

1.2 Components and Modules

The system comprises various components, including the database server, application server, web server, and user interfaces. Each functional module (e.g., student management, teacher management and staff management) is a distinct component.

1.3 Data Flow Diagram

A high-level data flow diagram illustrates how data flows through the system, starting from data input and ending with data retrieval and reporting.

1.4 Technology Stack

The system employs a technology stack that includes programming languages, frameworks, and software tools. For example, it uses PHP for the backend, JavaScript for the frontend, and a relational database management system (e.g., MySQL) for data storage.

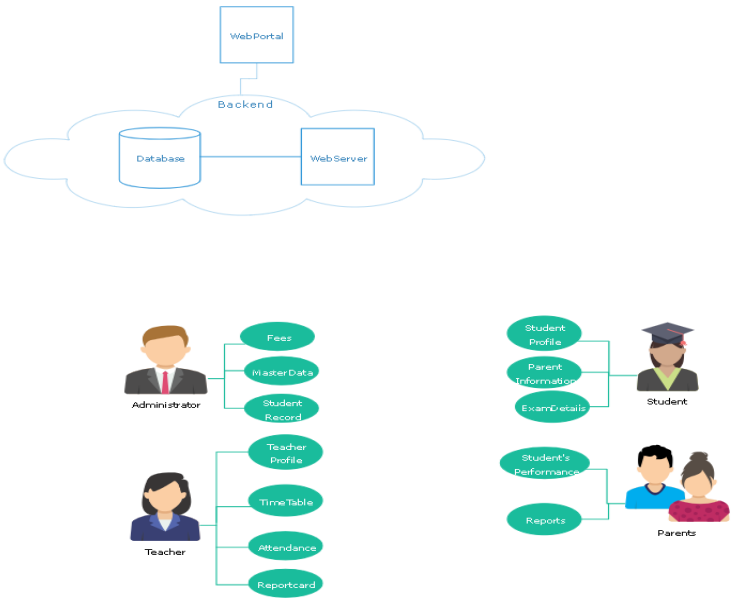
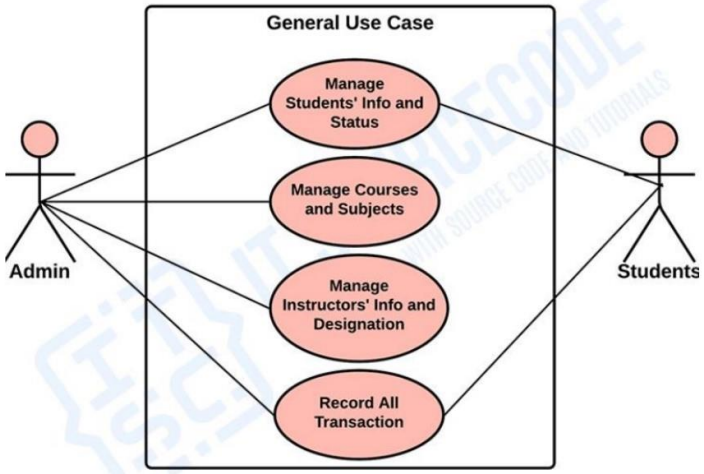


Fig 4.1 ARCHITECTURE DIAGRAM

4.2 USE CASE DIAGRAM

This diagrams represents sequence and workflow of this model.



USE CASE DIAGRAM

Fig 4.2.1 USE CASE DIAGRAM STUDENTS

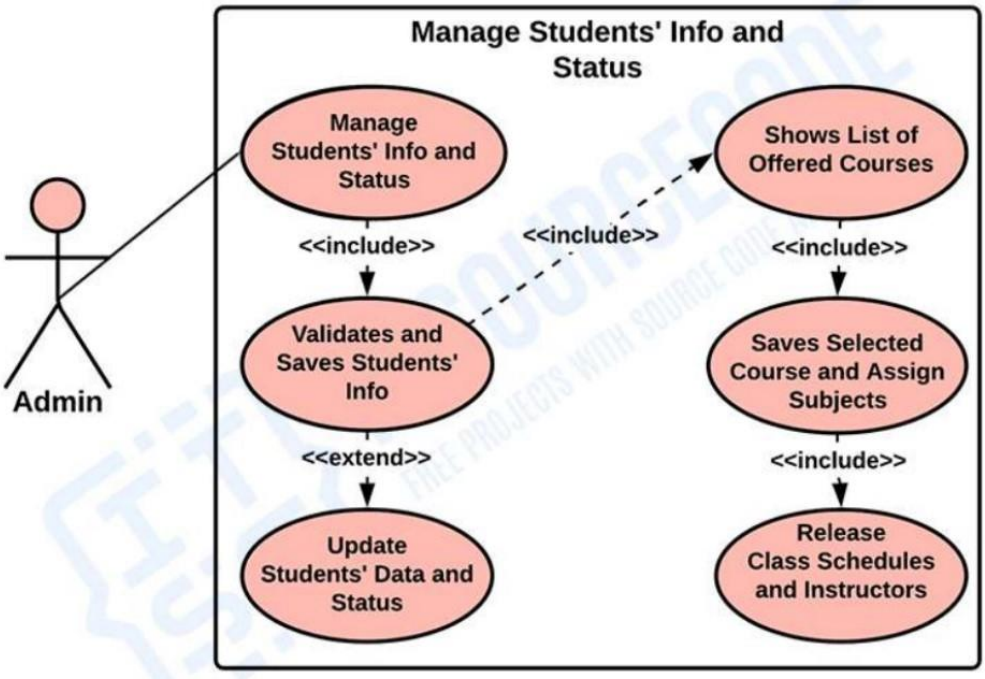


Fig 4.2.3 USE CASE DIAGRAM ADMIN

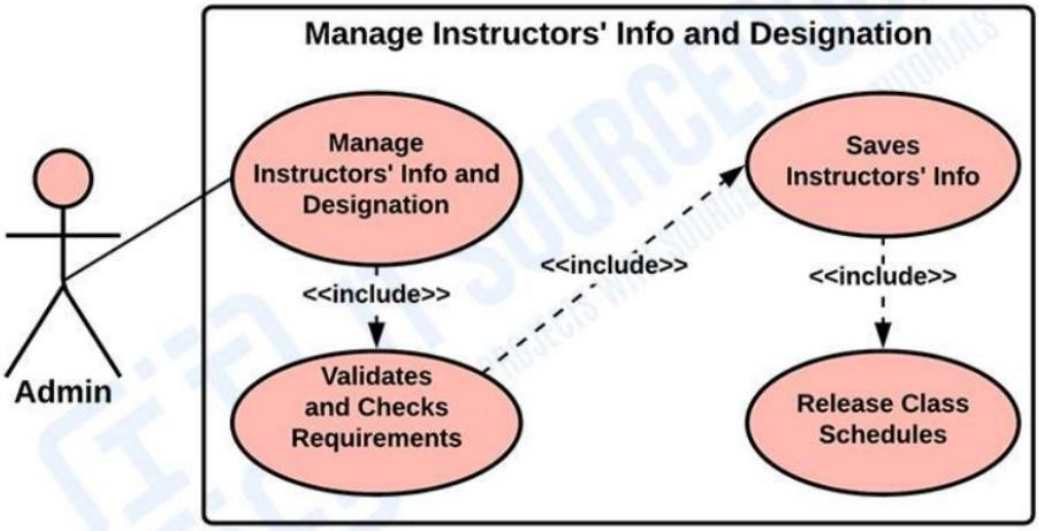


Fig 4.2.4 USE CASE DIAGRAM TEACHER

4.3 COLLABORATIVE DIAGRAM

MODULE – 01
ADMIN MODULE

The Admin Module in a College Management System (CMS) plays a pivotal role in the effective functioning and management of the educational institution. It is a critical component that empowers administrators with the tools and functionalities required to oversee and streamline various administrative tasks. Here is an overview of the Admin Module and its key features:

1. User Management:
- Creation, modification, and deletion of user accounts for faculty, staff, and other administrative personnel.
- Role assignment to control access levels and permissions for each user.

2. Student Information Management:
- Access to student profiles, enabling administrators to update records, verify documents, and manage admissions and enrollment.
- Tools for tracking student progress and academic history.

3. Course and Curriculum Management:
- Curriculum design and management, including adding, modifying, and retiring courses and academic programs.
- Course scheduling, classroom assignment, and exam management.

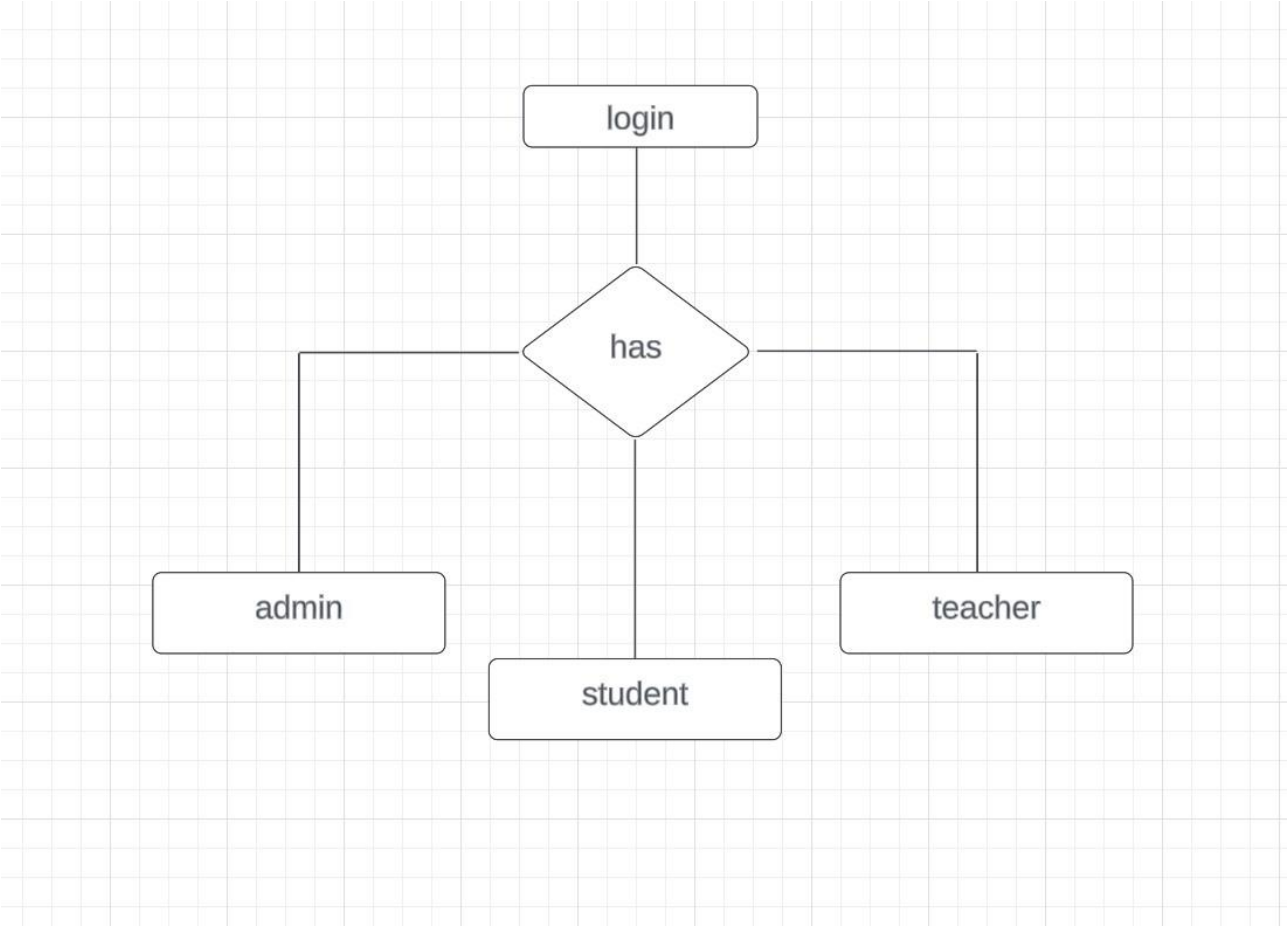


Fig 4.3.1 LOGIN

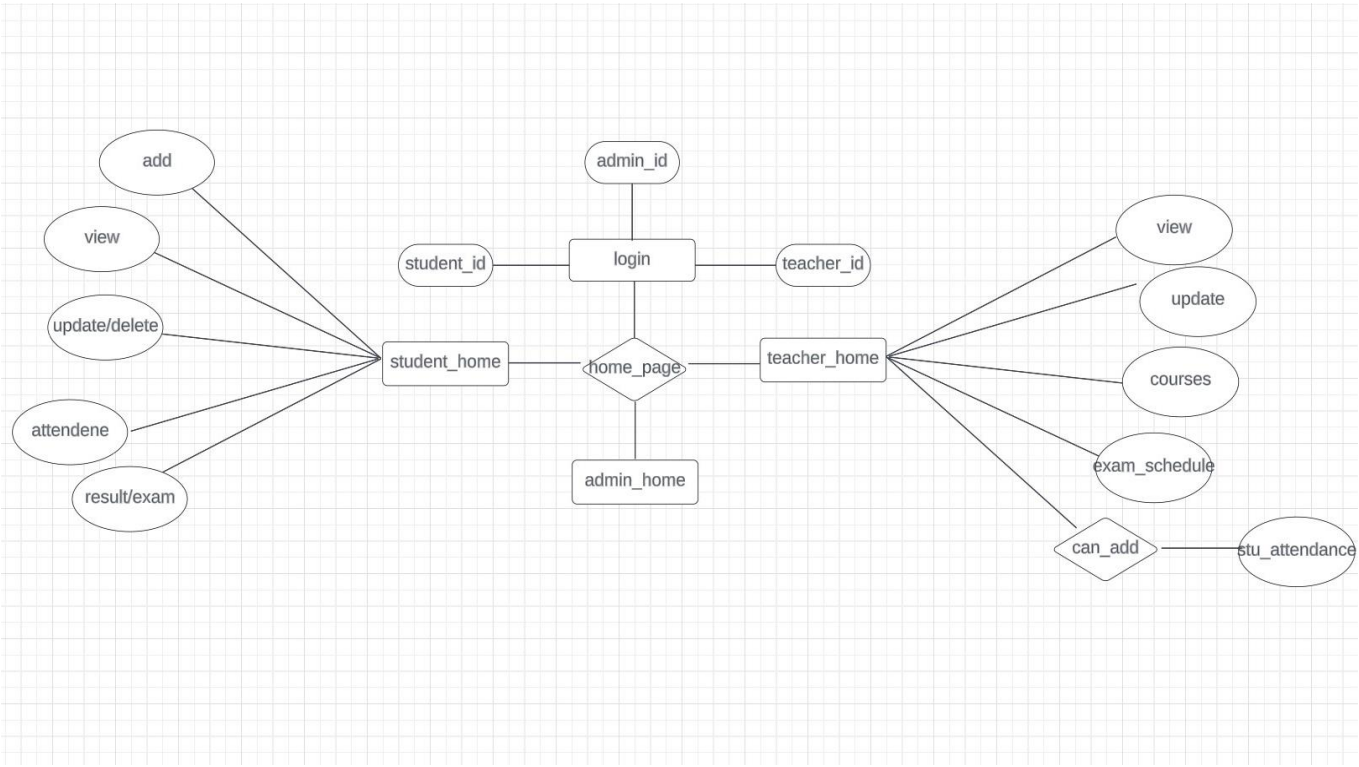


Fig 4.3.2 MODULE OUTLINE

MODULE – 02
TEACHER MODULE

The Teacher Module is specifically tailored to meet the needs of educators, professors, and faculty members within the institution. It allows them to effectively manage their courses, students, and academic responsibilities. This module serves as a vital interface for instructors to access and input academic-related information and engage with students.

Exam and Assessment Management:
Faculty can schedule and manage examinations, quizzes, and assignments.
Grading tools with customizable rubrics to assess student performance.
Attendance Tracking:
Faculty can take attendance for their classes electronically, with the option to view and manage attendance records for each student.
Grade Management:
Instructors can record, calculate, and manage student grades and academic performance.

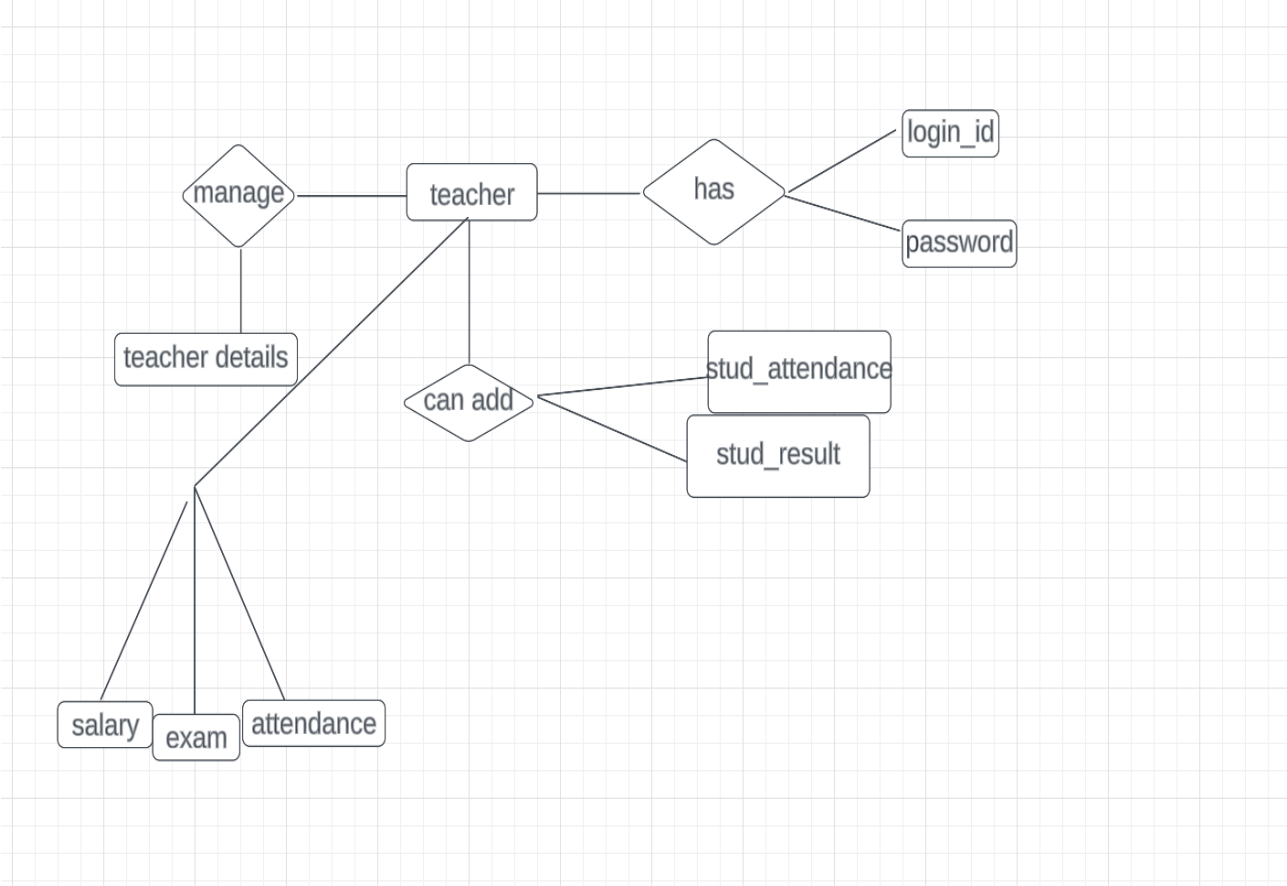


Fig 4.3.2 MODULE-2 OUTLINE

MODULE – 03
STUDENT MODULE

The Student Module is a user-centric interface that provides students with access to a wide range of academic and administrative resources. It serves as a one-stop platform for students to interact with their academic records, communicate with instructors and peers, and manage various aspects of their educational experience.

Key Features of the Student Module:

Profile Management:

Students can view and update their personal information, contact details.

Attendance Tracking:

Access to personal attendance records and the ability to view attendance percentages.

Examination Schedule:

View exam schedules and its details.

Performance:

Students can view their grades, GPA, and academic performance on an ongoing basis.

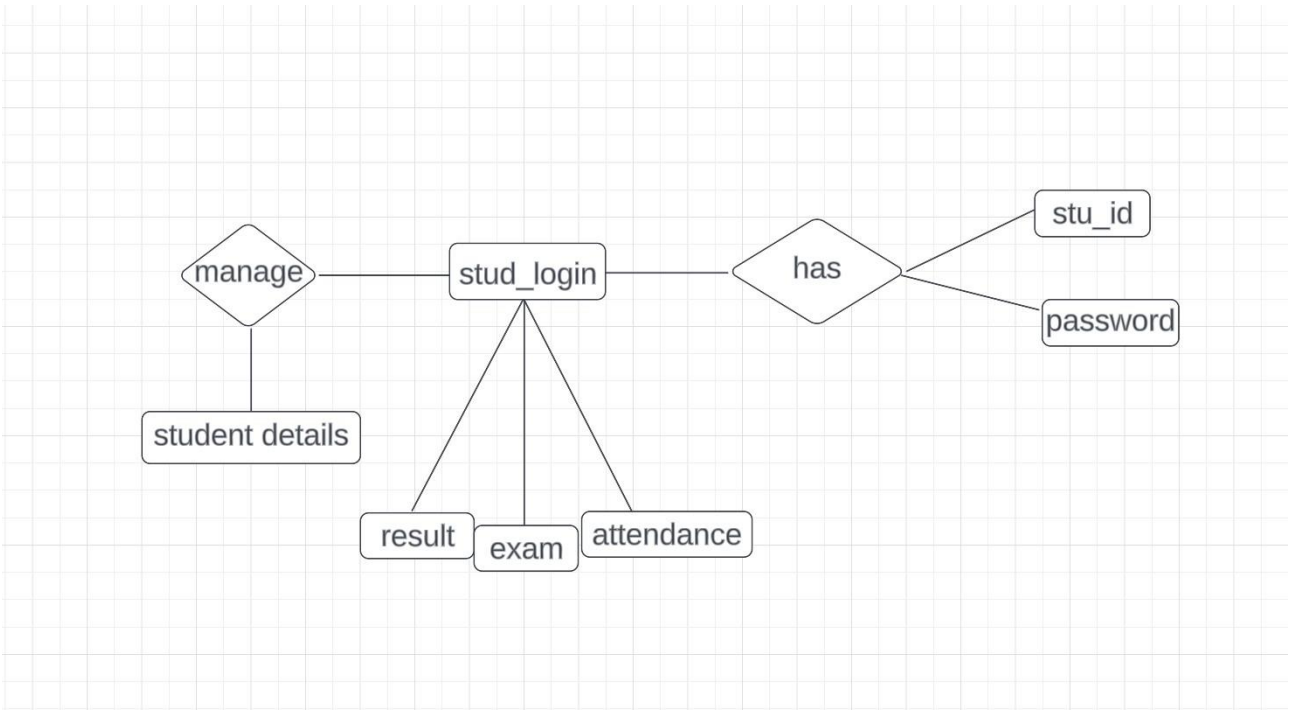


Fig 4.3.3 MODULE-3 OUTLINE

4.4 DATABASE DIAGRAM

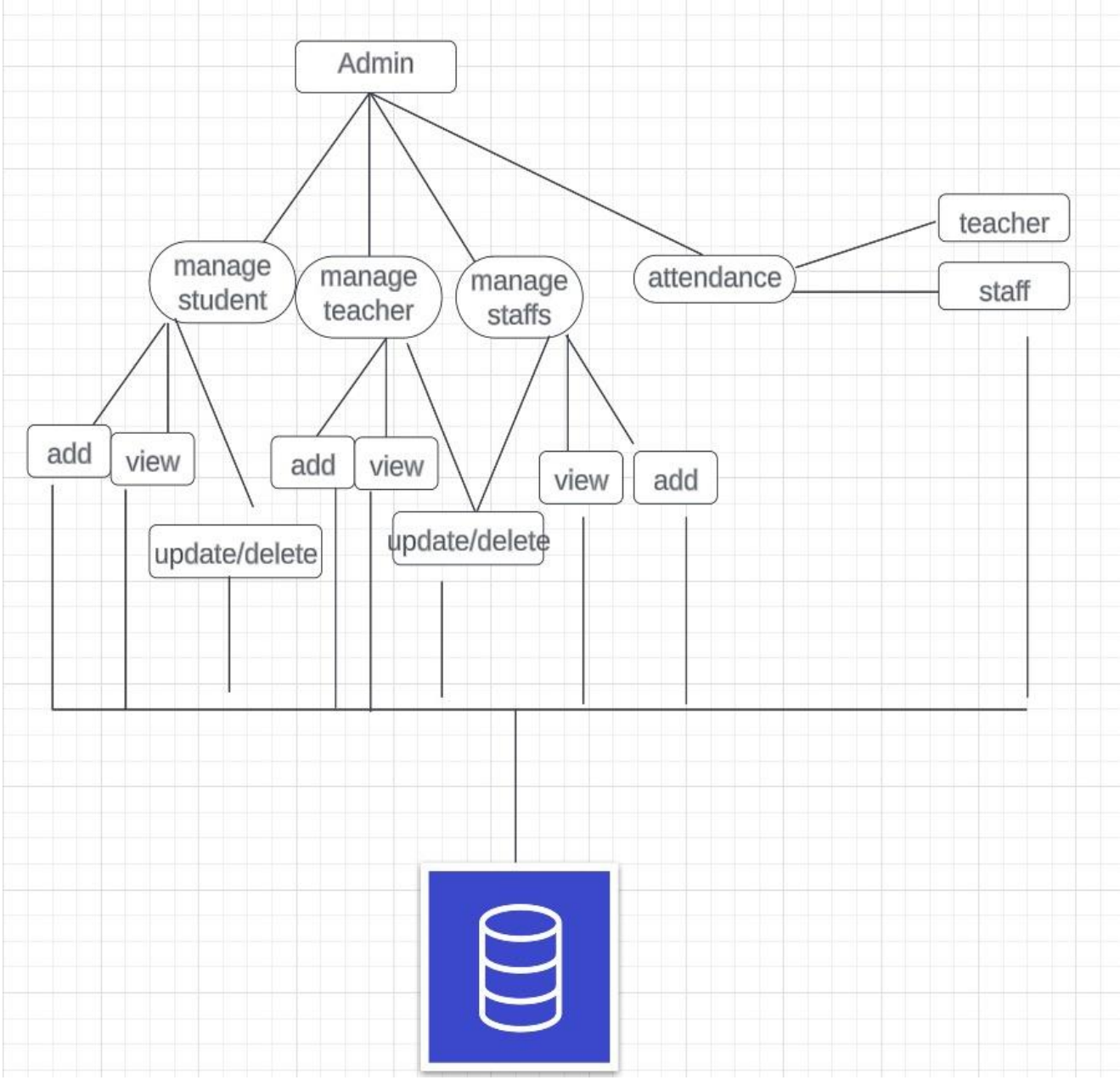


Fig 4.4.DATABASE DIAGRAM

DATABASE

The general theme behind a database is to handle information as an integrated whole. A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and effectively. After designing input and output, the analyst must concentrate on database design or how data should be organized around user requirements. The general objective is to make information access, easy quick, inexpensive and flexible for other users.

During database design the following objectives are concerned: -

- Controlled Redundancy
- Data independence
- Accurate and integrating
- More information at low cost
- Privacy and security
- Performance
- Ease of learning and use

Following are the database structure that has been implemented in this classwave model.

FIG 4.4.1 DATABASE TABLES.

	Table	Action	Rows	Type	Collation	Size	Overhead
☐	admin	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8_general_ci	16 KiB	-
☐	attendance	Browse Structure Search Insert Empty Drop	30	InnoDB	utf8_general_ci	16 KiB	-
☐	availablecourse	Browse Structure Search Insert Empty Drop	40	MyISAM	utf8_general_ci	2.9 KiB	-
☐	class	Browse Structure Search Insert Empty Drop	21	InnoDB	utf8_general_ci	16 KiB	-
☐	course	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8_general_ci	16 KiB	-
☐	examschedule	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8_general_ci	16 KiB	-
☐	grade	Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16 KiB	-
☐	parents	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8_general_ci	16 KiB	-
☐	payment	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8_general_ci	16 KiB	-
☐	report	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	16 KiB	-
☐	staff	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	16 KiB	-
☐	students	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8_general_ci	16 KiB	-
☐	takencoursebyteacher	Browse Structure Search Insert Empty Drop	22	MyISAM	utf8_general_ci	2.4 KiB	-
☐	teachers	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_general_ci	16 KiB	-
☐	users	Browse Structure Search Insert Empty Drop	20	InnoDB	utf8_general_ci	16 KiB	-
	15 tables	Sum	178	InnoDB	latin1_swedish_ci	213.4 KiB	0 B

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	id	varchar(20)	utf8_general_ci		No	None			Change Drop More
☐	2	name	varchar(20)	utf8_general_ci		No	None			Change Drop More
☐	3	password	varchar(20)	utf8_general_ci		No	None			Change Drop More

FIG 4.4.2 KEY CONSTRAINT – primary key

FIG 4.4.3 USER ACCESSIBILITY

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☑	1	userid	varchar(20)	utf8_general_ci		No	None			Change Drop More
☐	2	password	varchar(20)	utf8_general_ci		No	None			Change Drop More
☐	3	usertype	varchar(10)	utf8_general_ci		No	None			Change Drop More

FIG 4.4.4 ROOT ACCESS OF USERS

Users having access to "schoolmsdb.admin"

	User name	Host name	Type	Privileges	Grant	Action
☐	root	127.0.0.1	global	ALL PRIVILEGES	Yes	Edit privileges Export
☐	root	::1	global	ALL PRIVILEGES	Yes	Edit privileges Export
☐	root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export

CHAPTER –5 TESTING

TYPES OF TESTING:

- Unit Testing
- System Testing
- Integration Testing
- Validation testing
- Output testing
- User acceptance testing

Unit Testing:

Unit testing focuses verification effort on the smallest unit of software design – the module. Using the detail design description as a guide, important control paths are tested to uncover errors within the boundary of the module. The relative complexity of tests and the errors detected as a result is limited by the constrained scope established for unit testing. The unit test is always white box oriented, and the step can be conducted in parallel for multiple modules.

Test Case Ref No		**TCT-001**
Functionality	Log in to the system	
Expected outcome	The user should not login to member's area and some error message follow	
Step No	**Data Used**	**Actual Outcome**
1.	Click on the log in button without entering username or password.	An alert message came to enter Username
2.	Click on the log in button after entering some username leaving password field blank	An alert message came to enter password
3.	Click on the log in button after entering some password but leaving username field blank	An alert message came to enter username
4.	Click on the log in button after entering some wrong username but correct password	A message displayed on Log in page about this

Test Case Ref No	**TCT-002**
Functionality	Enter valid data for user registration

Expected outcome	The user should not get register any record without filling all necessary fields and some error message follow: The user should not get registered again with same user id	
Step No	**Data Used**	**Actual Outcome**
1.	Click on the save button without entering valid details	An alert message came to each details and focused on the respective fields
2.	Click on the submit button after entering a duplicate user id	A message displayed about existence of such user

System Testing:

Software is only one element of a larger computer based system. Ultimately, software is incorporated with other system elements (e.g. new hardware, information), and a series of system integration and validation tests are conducted. Steps taken during software design and testing can greatly improve the probability of successful software integration in the larger system.

Integration Testing:

Integration testing is a systematic technique for construction the program structure while at the same time conduction test to uncover errors associated with interfacing. The objective is to take unit tested modules and build a program structure that has been dictated by design. Integration testing can be categorized into two types, namely top-down integration or bottom-up integration. Top-down integration is an incremental approach to the construction of program structure. The selection of an integration strategy depends upon software characteristic and, sometime project schedule. In general, a combined approach that uses the top-down strategy for the upper levels of the program structure, coupled with a bottom-up strategy for the subordinate levels, may be the best compromise.

Validation Testing:

This provides the final assurance that the software meets all functional, behavioral and performance requirements. The software is completely assembled as a package. Validation succeeds when the software functions in manner in which the user expects. Validation refers to a processor using software in a live environment in order to find errors. During the course of validating the system, failures may occur and sometimes the coding has to be changed according to the requirement. Thus, the feedback from the validation phase generally produces changes in the software. Once the application was made free of all logical and interface errors, inputting dummy data ensured that the software developed satisfied all the requirements of the user.

Output Testing:

After performing the validation testing, the next step is output testing of the proposed system since no system could be useful if it does not produce the required output generated or considered in two ways; one is on screen and another is printed format. The output format on the screen is found to be correct as the format was designed in the system design phase according to the user's needs. For the hard copy also, the output comes out as the specified requirements by the user hence output testing does not result in any correction in the system.

User Acceptance Testing:

User acceptance of a system is the key factor for the success of any system. The system under consideration is tested for user acceptance by constantly keeping in touch with the prospective system users at the time of developing and making changes whenever required. Preparation of test data plays a vital role in the system testing. After preparing the test data the system under study is tested using the test data. While testing the system by using test data errors are again uncovered and the corrections are also noted for future use.

5.3 TESTING CASES:

During test cases that are good at revealing the presence of faults is central to successful testing. The reason for this is that if there is a fault in the program, the program can still provide the certain inputs. Only for the set of inputs the faults that exercise the fault in the program will the output of the program devise from the expected behavior. Hence, it is fair to say that testing is as good as its test case. The number of test cases used to determine errors in the program should be minimum. There are two fundamental goals of a practical testing activity:

- Maximize the numbers of errors detected and
- Minimize the number of test cases

As these two goals are contradictory so the problem of selecting test cases is a complex one.

5.4TEST DATA:

After preparing the test data the system under study was tested using test data. While testing the system by using test data, errors were again uncovered and corrected by using the above testing steps. Preparation of Test data plays a vital role in the system testing. Taking various types of test data does all the above testing.

5.5TESTING EXECUTION:

Test data was prepared which were the acknowledgement details and the information regarding the various departments in the case. An already existing file was taken from the database and the data was fed into the new system. Various tests as mentioned above were carried out. Initially there were bugs and drawbacks for the user to complete the same process. Those bugs and drawbacks were noted down and modified later. Again, the same process was repeated three to four times.

CHAPTER –6 SYSTEM IMPLEMENTATION

6.1 MODULE DESCRIPTION:

A: ADMIN MODULE

B: USER MODULE

C: REGISTRATION MODULE

D: LOGIN MODULE

A) Admin:

1. Home

1.1 Student

- Add student
- View student
- Update student
- delete student

2. Teacher
    - Add teacher
    - View teacher
    - Delete teacher
    - Update teacher
3. parents
    - Add parents
    - View parents
    - Delete parents
    - Update parents
4. Fees & Payments
5. Report
6. Attendance

B) USER LOGINS

TEACHER LOGIN	STUDENT LOGIN
Specific functionalities for teacher to • Create login accout • Mark stundents attendance • Modify their details	Specific functionalities for students to • Create student specific login • View their attendance • View exam schedule

c) REGISTRATION & LOGIN

The page where the system admin or staff submit their system credential to access the data and functionalities of the admin side of the system. This login page consists of all the logins of

- Admin
- Teacher
- Students
- Staffs

CHAPTER –7 CONCLUSION & FUTURE ENHANCEMENT

CONCLUSION

In conclusion, the College Management System project has ushered in a new era of efficiency, transparency, and effectiveness in our institution's administrative and academic operations. This initiative has not only met but exceeded its objectives, profoundly impacting the way we manage our college's resources and deliver quality education to our students.

Throughout the project's journey, we have achieved significant milestones:

1 . Customized software for the specific organization

2 . more affordability

3 . maintaining a standardization for specific college.

4 . more reliable solutions

FUTURE ENHANCEMENT:

The future enhancement to this project includes:

1. More reliable technology like spring , springboot , node js.
2. Good UI and better UX
3. SMS & mail Notification.
4. Automated msg and other notification to the parents regarding students exam results and attendance
5. Cloud based storage for better scalability.

CHAPTER –8 APPENDICES

CODING:

Index.php

```
<?php
$login_code= isset($_REQUEST['login']) ? $_REQUEST['login'] : '1';
if($login_code=="false"){
   $login_message="Wrong Credentials !";
          $color="red";
}
else{
   $login_message="Please Login To Continue";
          $color="green";
}
?>
<!DOCTYPE html>
<html >
   <head>
      <meta charset="UTF-8">
            <script src="source/js/loginValidate.js"></script>

      <title>School Management System</title>
      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet">
      <link rel="stylesheet" href="index.css?v=<?php echo time(); ?>">
   </head>
   <body>
   <div class="container-fluid" >
      <div class="d-flex justify-content-center align-items-center" style=" height: 100vh;" >
         <div class="box-1 d-flex justify-content-center align-items-center " >
         <img src="MY_college.jpg" alt="" class="legend-logo">
            <div>
```

```
            <form action="service/check.access.php" onsubmit="return loginValidate();"
method="post">
                <h4 class="text-center">Login</h4>
                <hr>
                <div class="mb-3 form__group field">
                  <input type="text" class="form__field" id="myid" name="myid"
placeholder="Login ID" autofocus=""   />
                  <label for="Login Id" class="form__label">Login Id</label>
                </div>
                <div class="mb-3 form__group field">
                  <input type="password" class="form__field" id="mypassword"
name="mypassword" placeholder="Password"  />
                  <label for="exampleInputPassword1" class="form__label">Password</label>

                </div>
                <input type="submit" class="btn btn-success" value="Login" id="lbtn" />
              </form>
              </div>
          </div>
       </div>
    </div>
       <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
    </body>
</html>
```

Add student.php

Similar functionalities as add teacher , add staff, etc.

```
<?php
include_once('../../service/mysqlcon.php');
$check=$_SESSION['login_id'];
$session=mysql_query("SELECT name  FROM admin WHERE id='$check' ");
$row=mysql_fetch_array($session);
$login_session = $loged_user_name = $row['name'];
```

```
if(!isset($login_session)){
    header("Location:../../");
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>School Management System</title>

    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <link rel="stylesheet" href="index.css?v=<?php echo time(); ?>">




</head>
<body>
    <nav class="navbar navbar-expand-lg top-nav sticky-top">
        <div class="container-fluid">
            <div class="brand-logo">
                <img src="My_college.jpg" alt="Logo"  class="logo rounded-pill">
            </div>
            <ul class="nav ml-auto">
                                <button type="button" class="btn btn-light btn-sm">
                    <a class="nav-link" href="logout.php">Logout</a>
                                    </button>
            </ul>
        </div>
    </nav>
```

```
<div class="container-fluid">
    <div class="row">
    <nav id="sidebar " class="col-md-3 col-lg-2 col-4  sidebar ">
        <div class="position-sticky">
            <ul class="navbar-nav flex-column menu">
                <li class="nav-item" >
                    <a class="nav-link" href="index.php">Home</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#manageStudentsMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageStudentMenu">
                        Manage Students
                    </a>
                    <div class="collapse" id="manageStudentsMenu">
                        <ul class="nav flex-column msm">
                            <li class="nav-item ">
                                <a class="nav-link " href="addStudent.php">Add Student</a>
                            </li>
                            <li class="nav-item ">
                                <a class="nav-link " href="viewStudent.php">View Student</a>
                            </li>
                            <li class="nav-item ">
                                <a class="nav-link " href="updateStudent.php">Update Student</a>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link " href="deleteStudent.php">Delete Student</a>
                            </li>
                        </ul>
                    </div>
                </li>
```

```
                <li class="nav-item">
                    <a class="nav-link" href="#manageTeacherMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageTeacherMenu">
                        Manage Teacher
                    </a>
                    <div class="collapse" id="manageTeacherMenu">
                        <ul class="nav flex-column msm">
                            <li class="nav-item ">
                                <a class="nav-link " href="addTeacher.php">Add Teacher</a>
                            </li>
                            <li class="nav-item ">
                                <a class="nav-link " href="viewTeacher.php">View Teacher</a>
                            </li>
                            <li class="nav-item ">
                                <a class="nav-link " href="updateTeacher.php">Update Teacher</a>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link " href="deleteTeacher.php">Delete Teacher</a>
                            </li>
                        </ul>
                    </div>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#manageParentMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageParentMenu">
                        Manage Parent
                    </a>
                    <div class="collapse" id="manageParentMenu">
                        <ul class="nav flex-column msm">
                            <li class="nav-item ">
                                <a class="nav-link " href="addParent.php">Add Parent</a>
                            </li>
```

```
                        <li class="nav-item ">
                            <a class="nav-link " href="viewParent.php">View Parent</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateParent.php">Update Parent</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link " href="deleteParent.php">Delete Parent</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageStaffMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageStaffMenu">
                    Manage staff
                </a>
                <div class="collapse" id="manageStaffMenu">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addStaff.php">Add Staff</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewStaff.php">View Staff</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateStaff.php">Update Staff</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link " href="deleteStaff.php">Delete Staff</a>
                        </li>
                    </ul>
```

```
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageCourseMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageCourseMenu">
                    Course
                </a>
                <div class="collapse" id="manageCourseMenu">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addCourse.php">Add Course</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewCourse.php">View Course</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="deleteCourse.php">Update Course</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Attendance" data-toggle="collapse" role="button"
aria-expanded="false" aria-controls="Attendance">
                    Attendance
                </a>
                <div class="collapse" id="Attendance">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="staffAttendance.php">Staff Attendance</a>
                        </li>
                        <li class="nav-item ">
```

```
                        <a class="nav-link " href="teacherAttendance.php">Teacher
Attendance</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="viewAttendance.php">View Attendance</a>
                    </li>
                </ul>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#Exam" data-toggle="collapse" role="button" aria-
expanded="false" aria-controls="Exam">
                Exam Schedule
            </a>
            <div class="collapse" id="Exam">
                <ul class="nav flex-column msm">
                    <li class="nav-item ">
                        <a class="nav-link " href="createExamSchedule.php">Create Exam
Schedule</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="viewExamSchedule.php">View Exam
Schedule</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="updateExamSchedule.php">Update
Course</a>
                    </li>
                </ul>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#Salary" data-toggle="collapse" role="button" aria-
expanded="false" aria-controls="Salary">
```

```
                    Salary
                </a>
                <div class="collapse" id="Salary">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="updateTeacherSalary.php">Update Teacher
Salary</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateStaffSalary.php">Update Staff
Salary</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="report.php">Report</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Payment" data-toggle="collapse" role="button" aria-
expanded="false" aria-controls="Payment">
                    Payment
                </a>
                <div class="collapse" id="Payment">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addPayment.php">Add Payment</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="deletePayment.php">Delete Payment</a>
                        </li>
                    </ul>
                </div>
```

```
                </li>
              </ul>
            </div>
          </nav>


          <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4 main col-8">


            <div class="container mt-5">
              <h2 class="h2 text-center">Add New Student</h2>
              <hr>


              <form action="#" method="post" onsubmit="return newStudentValidation();"
enctype="multipart/form-data">
                <div class="row">
                  <div class="col-md-4">
                    <div class="form-group">
                      <label for="stuId">Student Id:</label>
                      <input id="stuId" type="text" class="form-control" name="studentId"
placeholder="Enter Id">
                    </div>
                  </div>
                  <div class="col-md-4">
                    <div class="form-group">
                      <label for="stuName">Student Name:</label>
                      <input id="stuName" type="text" class="form-control"
name="studentName" placeholder="Enter Name">
                    </div>
                  </div>
                  <div class="col-md-4">
                    <div class="form-group">
                      <label for="stuPassword">Student Password:</label>
```

```
                        <input id="stuPassword" type="text" class="form-control"
name="studentPassword" placeholder="Enter Password">
                    </div>
                </div>
            </div>

            <div class="row">
                <div class="col-md-4">
                    <div class="form-group">
                        <label for="stuPhone">Student Phone:</label>
                        <input id="stuPhone" type="text" class="form-control"
name="studentPhone" placeholder="Enter Phone Number">
                    </div>
                </div>
                <div class="col-md-4">
                    <div class="form-group">
                        <label for="stuEmail">Student Email:</label>
                        <input id="stuEmail" type="text" class="form-control"
name="studentEmail" placeholder="Enter Email">
                    </div>
                </div>
                <div class="form-group">
                    <label for="stuGen">Gender:</label>
                    <input id="stuGen" type="text" class="form-control" name="studentGender"
placeholder="Enter Gender">
                </div>

            </div>
            <div class="row">
                <div class="col-md-4">
                    <div class="form-group">
                        <label for="stuDOB">Student DOB:</label>
```

```
                        <input id="stuDOB" type="date" class="form-control" name="studentDOB"
placeholder="Enter DOB (yyyy-mm-dd)">
                    </div>
                </div>
                <div class="col-md-4">
                    <div class="form-group">
                        <label for="stuAddmissionDate">Student Admission Date:</label>
                        <input type="date" id="stuAddmissionDate"
name="studentAddmissionDate" value="<?php echo date('Y-m-d');?>" readonly class="form-
control">
                    </div>
                </div>
                <div class="col-md-4">
                    <div class="form-group">
                        <label for="stuAddress">Student Address:</label>
                        <input id="stuAddress" type="text" class="form-control"
name="studentAddress" placeholder="Enter Address">
                    </div>
                </div>
            </div>
            <div class="row">
                <div class="col-md-4">
                    <div class="form-group">
                        <label for="stuParentId">Student Parent Id:</label>
                        <input id="stuParentId" type="text" class="form-control"
name="studentParentId" placeholder="Enter Parent Id">
                    </div>
                </div>
                <div class="col-md-4">
                    <div class="form-group">
                            <label for="stuClassId">Student Class Id:</label>
                            <input id="stuClassId" type="text" class="form-control"
name="studentClassId" placeholder="Enter Class Id">
                    </div>
```

```
                    </div>
                  <div class="col-md-4">
                    <div class="form-group">
                      <label for="file">Student Picture:</label>
                      <input id="file" type="file" class="form-control-file" name="file">
                    </div>
                  </div>
                </div>
                <div class="form-group">
                  <input type="submit" name="submit" value="Submit" class="btn btn-primary">
                </div>
              </form>
            </div>
          </main>
        </div>
    </div>


    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.bundle.min.js"></script>

    <script src="JS/login_logout.js"></script>
    <script src = "JS/currentDate.js"></script>
    <script src = "JS/newStudentValidation.js"></script>
</body>
</html>




<?php
```

```
include_once('../../service/mysqlcon.php');
if(!empty($_POST['submit'])){
    $stuId = $_POST['studentId'];
    $stuName = $_POST['studentName'];
    $stuPassword = $_POST['studentPassword'];
    $stuPhone = $_POST['studentPhone'];
    $stuEmail = $_POST['studentEmail'];
    $stuGen = $_POST['studentGender'];
    $stuDOB = $_POST['studentDOB'];
    $stuAddmissionDate = $_POST['studentAddmissionDate'];
    $stuAddress = $_POST['studentAddress'];
    $stuParentId = $_POST['studentParentId'];
    $stuClassId = $_POST['studentClassId'];
    //$filename = $_FILES['file']['name'];
    $filetmp =$_FILES['file']['tmp_name'];
    move_uploaded_file($filetmp,"../images/".$stuId.".jpg");
    $sql = "INSERT INTO students
VALUES('$stuId','$stuName','$stuPassword','$stuPhone','$stuEmail','$stuGen','$stuDOB','$stuAddm
issionDate','$stuAddress','$stuParentId','$stuClassId');";
    $success = mysql_query($sql);
    $sql = "INSERT INTO users VALUES('$stuId','$stuPassword','student');";
    $success = mysql_query($sql);
    if(!$success) {
        die('Could not enter data: '.mysql_error());
    }
    echo "Entered data successfully\n";
}
?>
```

DELETE TEACHER.PHP

This is similar with student staffs and parent for removing the existing data from the database.

```
<?php
include_once('main.php');
include_once('../../service/mysqlcon.php');
```

```
$sql = "SELECT * FROM teachers;";
$res= mysql_query($sql);
$string = "";
$images_dir = "../images/";
while($row = mysql_fetch_array($res)){
   $picname = $row['id'];
   $string .= "<form action='deleteTeacherTableData.php' method='post'>".
   "<tr><td><input type='submit' name='submit' value='Delete'></td>".
   '<input type="hidden" value="'.$row['id'].'" name="id" />'.
   '<td>'.$row['id'].'</td><td>'.$row['name'].
   '</td><td>'.$row['phone'].'</td><td>'.$row['email'].'</td><td>'.$row['address'].
   '</td><td>'.$row['sex'].'</td><td>'.$row['dob'].'</td><td>'.$row['hiredate'].
   '</td><td>'.$row['salary'].
   "</td><td><img src='".$images_dir.$picname.".jpg' alt='$picname' width='150'
height='150'>".'</td></tr></form>';
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>School Management System</title>

   <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
   <link rel="stylesheet" href="index.css?v=<?php echo time(); ?>">




</head>
```

```
<body>
   <nav class="navbar navbar-expand-lg top-nav sticky-top">
      <div class="container-fluid">
         <div class="brand-logo">
            <img src="My_college.jpg" alt="Logo"  class="logo rounded-pill">
         </div>
         <ul class="nav ml-auto">
                              <button type="button" class="btn btn-light btn-sm">
               <a class="nav-link" href="logout.php">Logout</a>
                                    </button>
         </ul>
      </div>
   </nav>


   <div class="container-fluid">
      <div class="row">
         <nav id="sidebar " class="col-md-3 col-lg-2 col-4 bg-light sidebar ">
            <div class="position-sticky">
               <ul class="navbar-nav flex-column menu">
                  <li class="nav-item" >
                     <a class="nav-link" href="index.php">Home</a>
                  </li>
                  <li class="nav-item">
                     <a class="nav-link" href="#manageStudentsMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageStudentMenu">
                        Manage Students
                     </a>
                     <div class="collapse" id="manageStudentsMenu">
                        <ul class="nav flex-column msm">
                           <li class="nav-item ">
                              <a class="nav-link " href="addStudent.php">Add Student</a>
```

```
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="viewStudent.php">View Student</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="updateStudent.php">Update Student</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link " href="deleteStudent.php">Delete Student</a>
                    </li>
                </ul>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#manageTeacherMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageTeacherMenu">
                Manage Teacher
            </a>
            <div class="collapse" id="manageTeacherMenu">
                <ul class="nav flex-column msm">
                    <li class="nav-item ">
                        <a class="nav-link " href="addTeacher.php">Add Teacher</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="viewTeacher.php">View Teacher</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="updateTeacher.php">Update Teacher</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link " href="deleteTeacher.php">Delete Teacher</a>
                    </li>
```

```
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageParentMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageParentMenu">
                    Manage Parent
                </a>
                <div class="collapse" id="manageParentMenu">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addParent.php">Add Parent</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewParent.php">View Parent</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateParent.php">Update Parent</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link " href="deleteParent.php">Delete Parent</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageStaffMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageStaffMenu">
                    Manage staff
                </a>
                <div class="collapse" id="manageStaffMenu">
                    <ul class="nav flex-column msm">
```

```
                        <li class="nav-item ">
                            <a class="nav-link " href="addStaff.php">Add Staff</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewStaff.php">View Staff</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateStaff.php">Update Staff</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link " href="deleteStaff.php">Delete Staff</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageCourseMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageCourseMenu">
                    Course
                </a>
                <div class="collapse" id="manageCourseMenu">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addCourse.php">Add Course</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewCourse.php">View Course</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="deleteCourse.php">Update Course</a>
                        </li>
                    </ul>
```

```
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Attendance" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="Attendance">
                    Attendance
                </a>
                <div class="collapse" id="Attendance">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="staffAttendance.php">Staff Attendance</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="teacherAttendance.php">Teacher Attendance</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewAttendance.php">View Attendance</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Exam" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="Exam">
                    Exam Schedule
                </a>
                <div class="collapse" id="Exam">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="createExamSchedule.php">Create Exam Schedule</a>
                        </li>
```

```
                        <li class="nav-item ">
                            <a class="nav-link " href="viewExamSchedule.php">View Exam
Schedule</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateExamSchedule.php">Update
Course</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Salary" data-toggle="collapse" role="button" aria-
expanded="false" aria-controls="Salary">
                    Salary
                </a>
                <div class="collapse" id="Salary">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="updateTeacherSalary.php">Update Teacher
Salary</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateStaffSalary.php">Update Staff
Salary</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="report.php">Report</a>
            </li>
            <li class="nav-item">
```

```
                    <a class="nav-link" href="#Payment" data-toggle="collapse" role="button" aria-
expanded="false" aria-controls="Payment">
                      Payment
                    </a>
                    <div class="collapse" id="Payment">
                      <ul class="nav flex-column msm">
                        <li class="nav-item ">
                          <a class="nav-link " href="addPayment.php">Add Payment</a>
                        </li>
                        <li class="nav-item ">
                          <a class="nav-link " href="deletePayment.php">Delete Payment</a>
                        </li>
                      </ul>
                    </div>
                  </li>
                </ul>
              </div>
            </nav>
            <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4 main col-8">
              <div class="container mt-5">
                <h2 class="text-center">Delete Teacher</h2>
                <hr>

                <table class="table table-bordered">
                  <thead>
                    <tr>
                      <th>Select For Delete</th>
                      <th>ID</th>
                      <th>Name</th>
                      <th>Phone</th>
                      <th>Email</th>
                      <th>Address</th>
```

```
                    <th>Gender</th>
                    <th>DOB</th>
                    <th>Hire Date</th>
                    <th>Salary</th>
                    <th>Picture</th>
                  </tr>
                </thead>
                <tbody>
                  <?php echo $string;?>
                </tbody>
              </table>
            </div>
          </main>
        </div>
    </div>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.bundle.min.js"></script>


    <script src="JS/login_logout.js"></script>
</body>
</html>
```

STAFFATTENDANCE.PHP

This has the functionalities to mark the staff their attendance. Similar functionalities for teacher has also assigned to mark student attendance.

```
<?php
include_once('main.php');
include_once('../../service/mysqlcon.php');
$sql = "SELECT * FROM staff where id not in (select attendedid from attendance where
date=CURDATE())";
$res= mysql_query($sql);
$string = "";
while($row = mysql_fetch_array($res)){
```

```
    $string .= "<form action='attendStaff.php' method='post'>".
    "<tr><td><input type='submit' name='submit' value='Present'></td>".
    '<input type="hidden" value="'.$row['id'].'" name="id" />'.
    '<td>'.$row['id'].'</td><td>'.$row['name'].
    '</td><td>'.$row['phone'].'</td><td>'.$row['email'].'</td></tr></form>';
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>School Management System</title>

    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

    <link rel="stylesheet" href="index.css?v=<?php echo time(); ?>">




</head>
<body>
    <nav class="navbar navbar-expand-lg top-nav sticky-top">
        <div class="container-fluid">
            <div class="brand-logo">
                <img src="My_college.jpg" alt="Logo"  class="logo rounded-pill">
            </div>
            <ul class="nav ml-auto">
                                <button type="button" class="btn btn-light btn-sm">
                <a class="nav-link" href="logout.php">Logout</a>
```

```
                                </button>
            </ul>
        </div>
    </nav>


    <div class="container-fluid">
        <div class="row">
            <nav id="sidebar " class="col-md-3 col-lg-2 col-4  sidebar ">
                <div class="position-sticky">
                    <ul class="navbar-nav flex-column menu">
                        <li class="nav-item" >
                            <a class="nav-link" href="index.php">Home</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link" href="#manageStudentsMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageStudentMenu">
                                Manage Students
                            </a>
                            <div class="collapse" id="manageStudentsMenu">
                                <ul class="nav flex-column msm">
                                    <li class="nav-item ">
                                        <a class="nav-link " href="addStudent.php">Add Student</a>
                                    </li>
                                    <li class="nav-item ">
                                        <a class="nav-link " href="viewStudent.php">View Student</a>
                                    </li>
                                    <li class="nav-item ">
                                        <a class="nav-link " href="updateStudent.php">Update Student</a>
                                    </li>
                                    <li class="nav-item">
                                        <a class="nav-link " href="deleteStudent.php">Delete Student</a>
```

```
                    </li>
                </ul>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#manageTeacherMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageTeacherMenu">
                Manage Teacher
            </a>
            <div class="collapse" id="manageTeacherMenu">
                <ul class="nav flex-column msm">
                    <li class="nav-item ">
                        <a class="nav-link " href="addTeacher.php">Add Teacher</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="viewTeacher.php">View Teacher</a>
                    </li>
                    <li class="nav-item ">
                        <a class="nav-link " href="updateTeacher.php">Update Teacher</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link " href="deleteTeacher.php">Delete Teacher</a>
                    </li>
                </ul>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#manageParentMenu" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="manageParentMenu">
                Manage Parent
            </a>
            <div class="collapse" id="manageParentMenu">
```

```
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addParent.php">Add Parent</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewParent.php">View Parent</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateParent.php">Update Parent</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link " href="deleteParent.php">Delete Parent</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageStaffMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageStaffMenu">
                    Manage staff
                </a>
                <div class="collapse" id="manageStaffMenu">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addStaff.php">Add Staff</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewStaff.php">View Staff</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateStaff.php">Update Staff</a>
                        </li>
```

```
                        <li class="nav-item">
                            <a class="nav-link " href="deleteStaff.php">Delete Staff</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#manageCourseMenu" data-toggle="collapse"
role="button" aria-expanded="false" aria-controls="manageCourseMenu">
                    Course
                </a>
                <div class="collapse" id="manageCourseMenu">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addCourse.php">Add Course</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewCourse.php">View Course</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="deleteCourse.php">Update Course</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Attendance" data-toggle="collapse" role="button"
aria-expanded="false" aria-controls="Attendance">
                    Attendance
                </a>
                <div class="collapse" id="Attendance">
                    <ul class="nav flex-column msm">
```

```
                        <li class="nav-item ">
                            <a class="nav-link " href="staffAttendance.php">Staff Attendance</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="teacherAttendance.php">Teacher
Attendance</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewAttendance.php">View Attendance</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Exam" data-toggle="collapse" role="button" aria-
expanded="false" aria-controls="Exam">
                    Exam Schedule
                </a>
                <div class="collapse" id="Exam">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="createExamSchedule.php">Create Exam
Schedule</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="viewExamSchedule.php">View Exam
Schedule</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateExamSchedule.php">Update
Course</a>
                        </li>
                    </ul>
```

```
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Salary" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="Salary">
                    Salary
                </a>
                <div class="collapse" id="Salary">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="updateTeacherSalary.php">Update Teacher Salary</a>
                        </li>
                        <li class="nav-item ">
                            <a class="nav-link " href="updateStaffSalary.php">Update Staff Salary</a>
                        </li>
                    </ul>
                </div>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="report.php">Report</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#Payment" data-toggle="collapse" role="button" aria-expanded="false" aria-controls="Payment">
                    Payment
                </a>
                <div class="collapse" id="Payment">
                    <ul class="nav flex-column msm">
                        <li class="nav-item ">
                            <a class="nav-link " href="addPayment.php">Add Payment</a>
                        </li>
```

```
                    <li class="nav-item ">
                        <a class="nav-link " href="deletePayment.php">Delete Payment</a>
                    </li>
                </ul>
            </div>
        </li>
    </ul>
</div>
</nav>


<main class="col-md-9 ms-sm-auto col-lg-10 px-md-4 main col-8 ">


                    <div class="container mt-5">
<div class="row justify-content-center">
    <div class="col-12 col-md-10">
        <h2 class="text-center">Staff Attendance List</h2>
        <hr>
        <div class="table-responsive">
            <table class="table table-bordered" id="staffAttendanceList">
                <thead>
                    <tr>
                        <th>Click For Attendance</th>
                        <th>ID</th>
                        <th>Name</th>
                        <th>Phone</th>
                        <th>Email</th>
                    </tr>
                </thead>
                <tbody>
                    <?php echo $string; // Replace with your PHP data ?>
```

```
                    </tbody>
                </table>
            </div>
        </div>
    </div>



        </main>
    </div>
</div>



<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.bundle.min.js"></script>


<script src="JS/login_logout.js"></script>
</body>
</html>
```

PAYMENT.PHP

Generate a payment slip to specific student id .

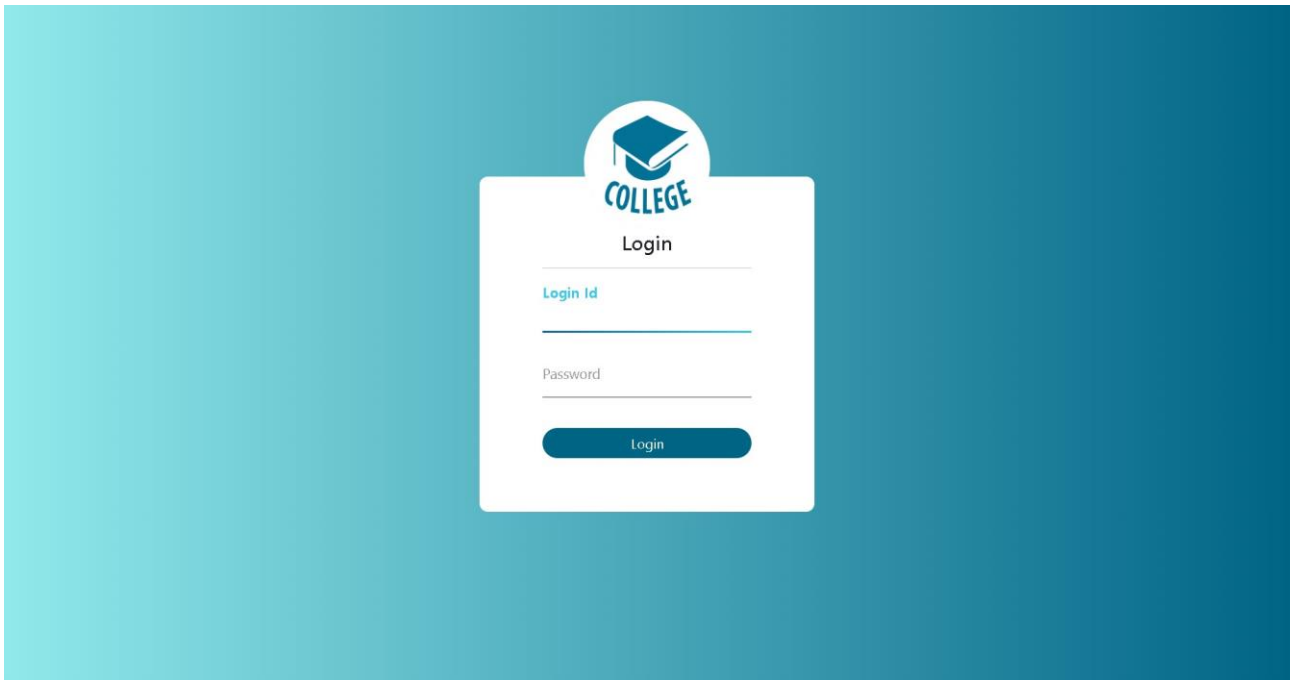
```
<?php
include_once('main.php');
include_once('../../service/mysqlcon.php');
$string = "<tr>
<th>ID</th>
<th>Student Id</th>
<th>Amount</th>
<th>Month</th>
<th>Year</th>
</tr>";
```

```
$sql = "SELECT * FROM payment WHERE month = MONTH(curdate()) AND year =
YEAR(curdate())";
$res = mysql_query($sql);
while($row = mysql_fetch_array($res)){
   $string .= "<tr><td>".$row['id']."</td><td>".$row['studentid']."</td><td>".$row['amount'].
   "</td><td>".$row['month']."</td><td>".$row['year']."</td></tr>";
}
?>
<html>
   <head>
                  <link rel="stylesheet" type="text/css" href="../../source/CSS/style.css">
                           <script src = "JS/login_logout.js"></script>
               </head>
   <body>
                        <div class="header"><h1>School Management System</h1></div>
                        <div class="divtopcorner">
                              <img src="../../source/logo.jpg" height="150" width="150"
alt="School Management System"/>
                           </div>
                      <br/><br/>
                           <ul>
                              <li class="manulist">
                                       <a class ="menulista" href="index.php">Home</a>
                                                <a class ="menulista"
href="addPayment.php">Add Payment</a>
                                                <a class ="menulista"
href="deletePayment.php">Delete Payment</a>
                                                <div align="center">
                                                <h4>Hi!admin <?php echo $check."
";?></h4>
                                                   <a class ="menulista"
href="logout.php" onmouseover="changemouseover(this);"
onmouseout="changemouseout(this,'<?php echo ucfirst($loged_user_name);?>');"><?php echo
"Logout";?></a>
                                          </div>
```

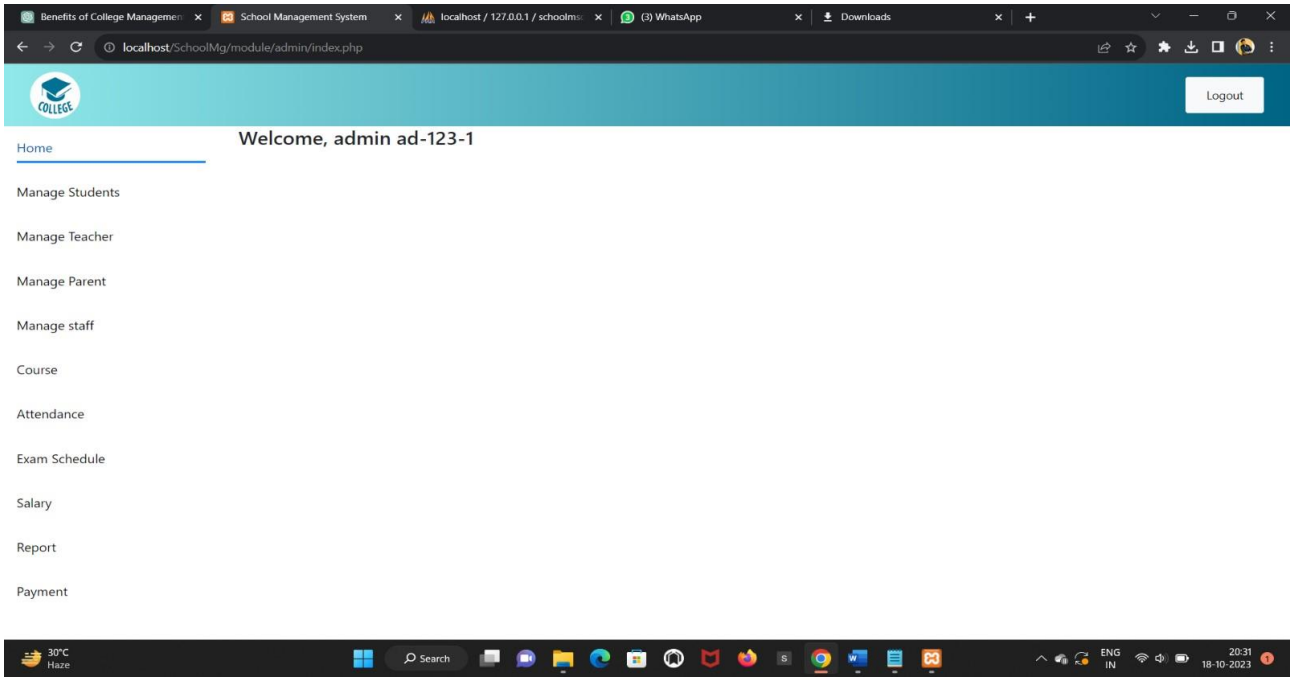
```
                                        </li>
                                    </ul>
                                <hr/>
        <center>
            <table border="1">
                <?php echo $string;?>
            </table>
        </center>
                    </body>
</html>
```

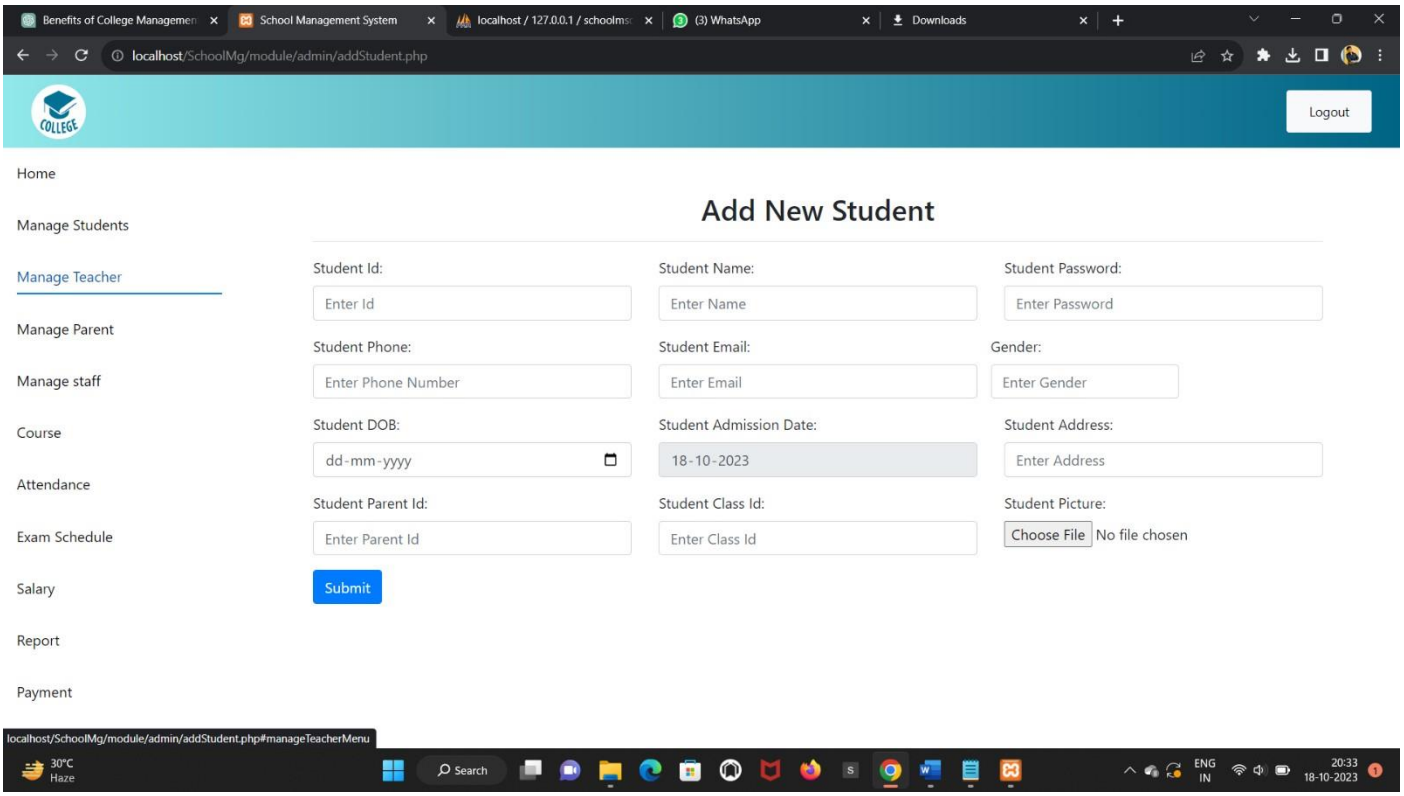
SCREENSHOTS:

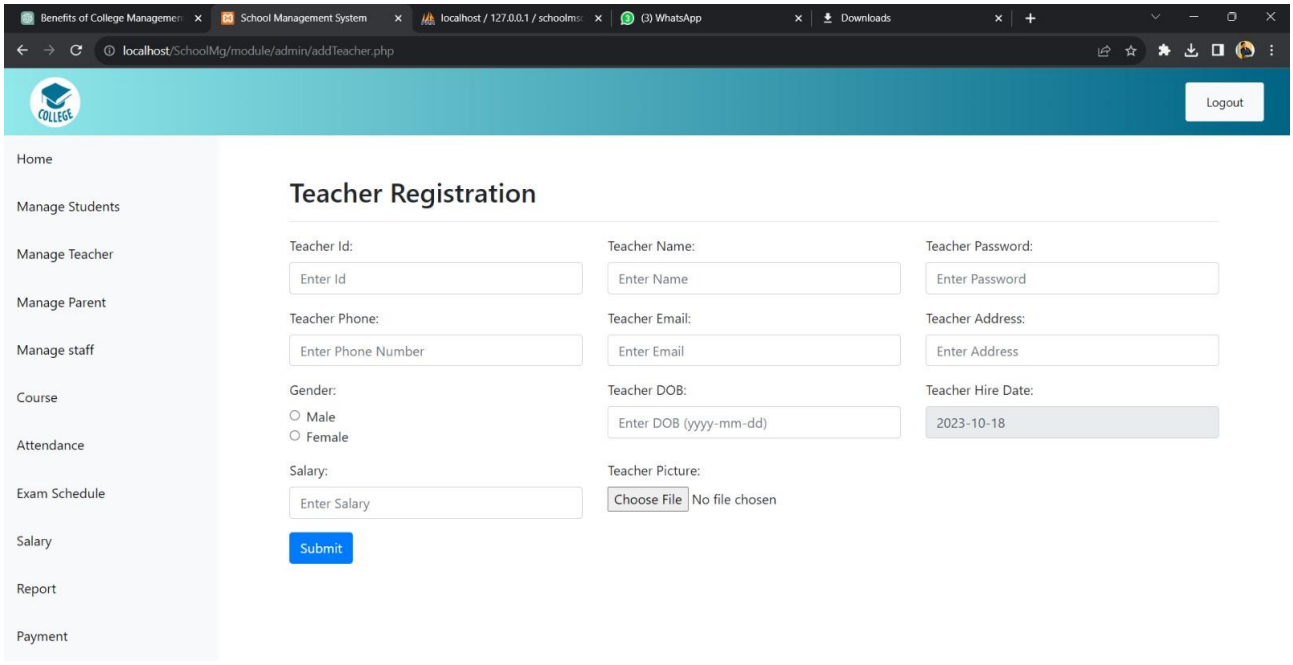
LOGINPAGE:

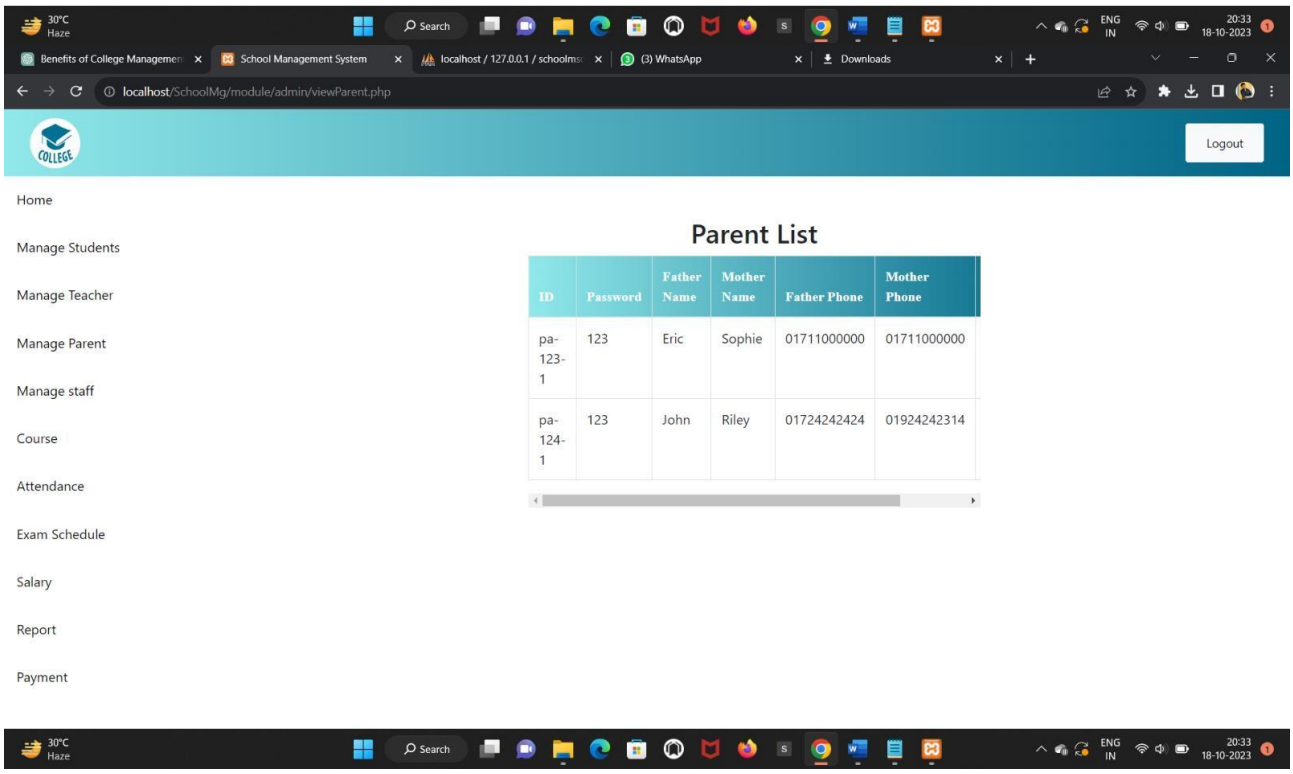


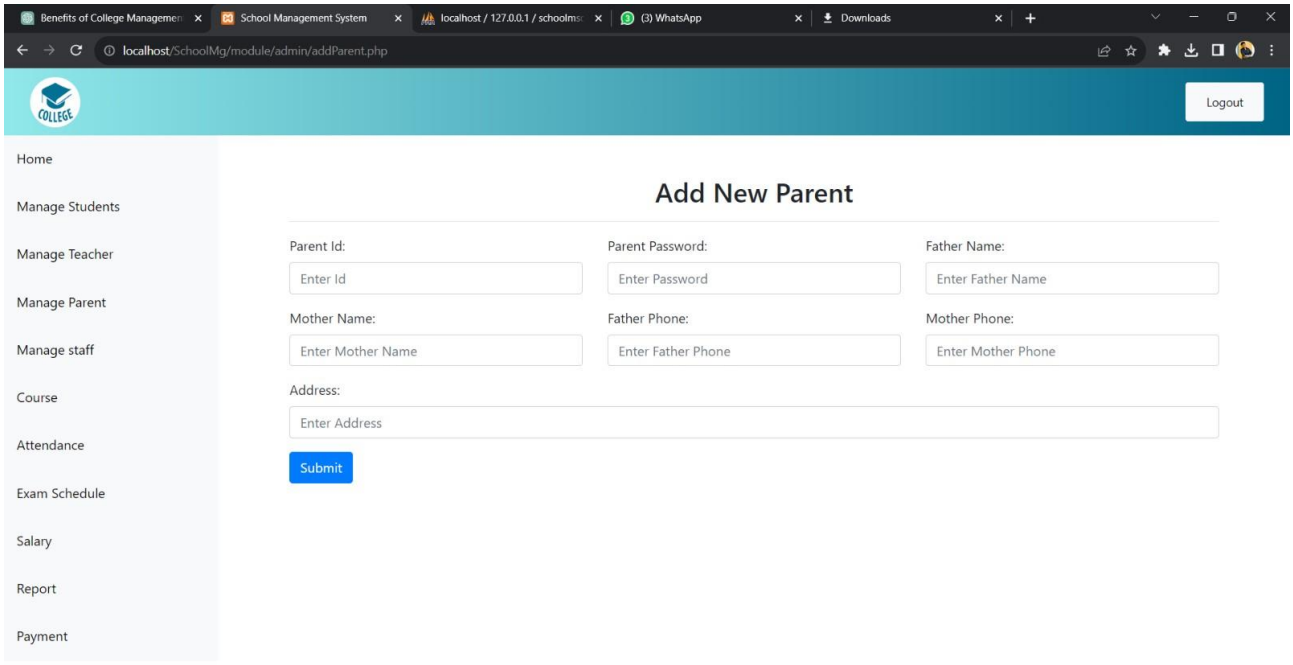
ADMIN:

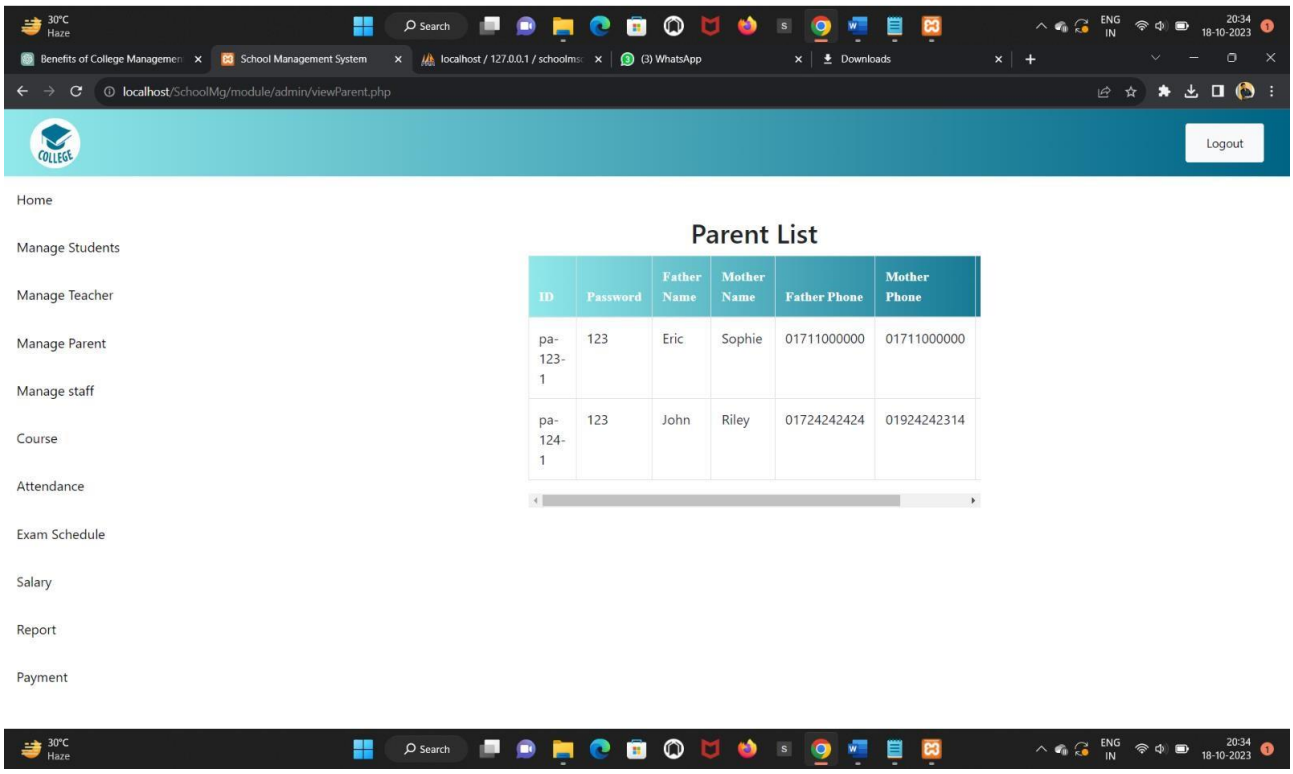

Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsc
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/index.php
Logout
Welcome, admin ad-123-1
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
30°C
Haze
Search
ENG
IN
20:31
18-10-2023

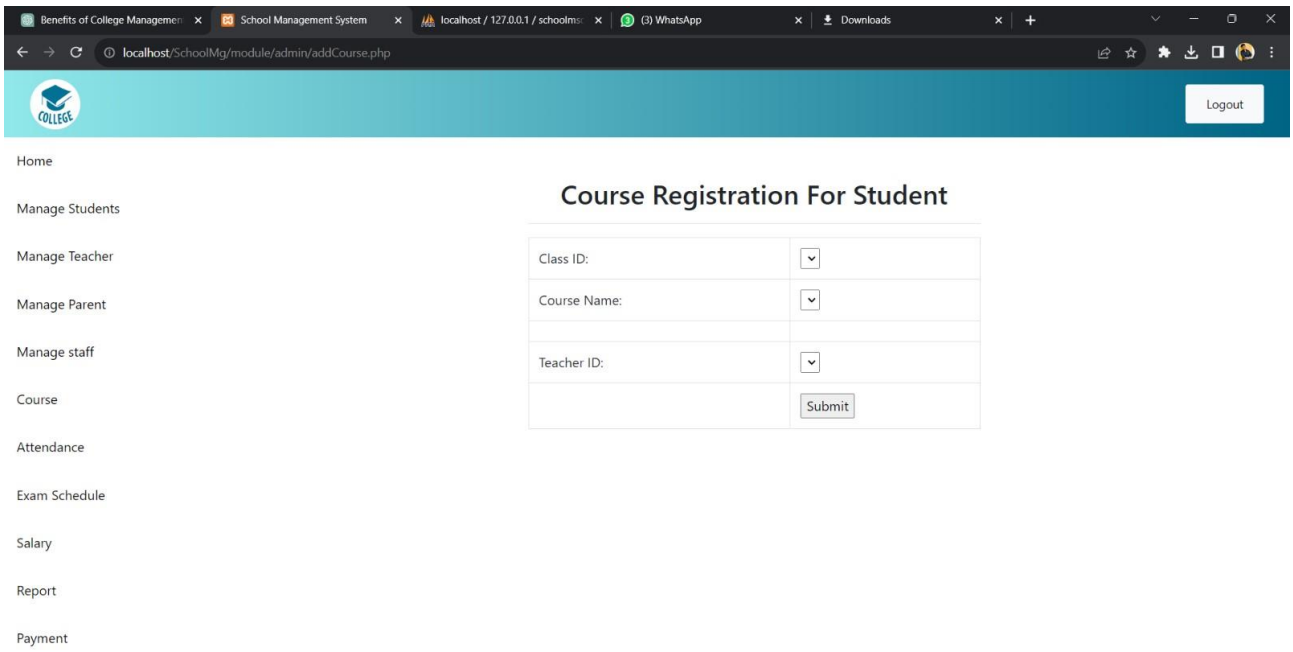

Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsc
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/addStudent.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Add New Student
Student Id:
Enter Id
Student Name:
Enter Name
Student Password:
Enter Password
Student Phone:
Enter Phone Number
Student Email:
Enter Email
Gender:
Enter Gender
Student DOB:
dd-mm-yyyy
Student Admission Date:
18-10-2023
Student Address:
Enter Address
Student Parent Id:
Enter Parent Id
Student Class Id:
Enter Class Id
Student Picture:
Choose File
No file chosen
Submit
localhost/SchoolMg/module/admin/addStudent.php#manageTeacherMenu
30°C
Haze
Search
ENG
IN
20:33
18-10-2023

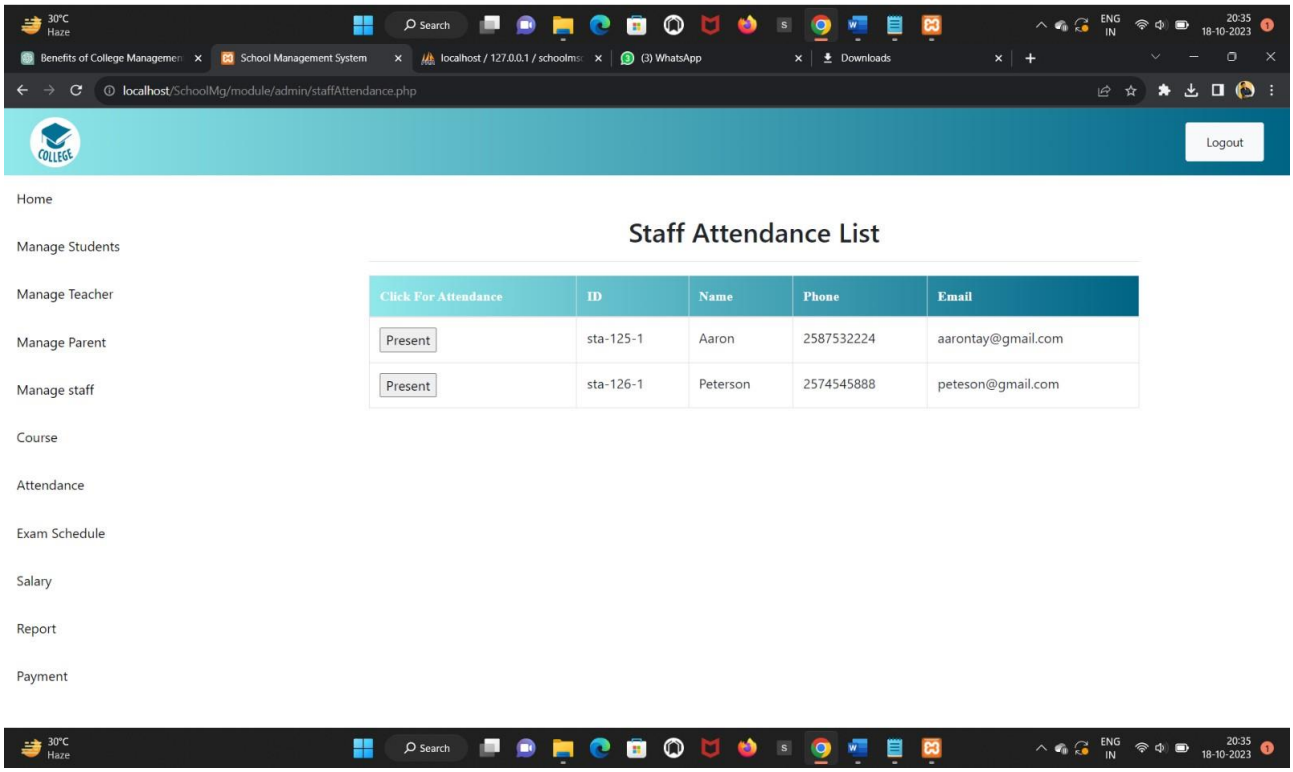

Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsc
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/addTeacher.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Teacher Registration
Teacher Id:
Enter Id
Teacher Name:
Enter Name
Teacher Password:
Enter Password
Teacher Phone:
Enter Phone Number
Teacher Email:
Enter Email
Teacher Address:
Enter Address
Gender:
Male
Female
Teacher DOB:
Enter DOB (yyyy-mm-dd)
Teacher Hire Date:
2023-10-18
Salary:
Enter Salary
Teacher Picture:
Choose File
No file chosen
Submit

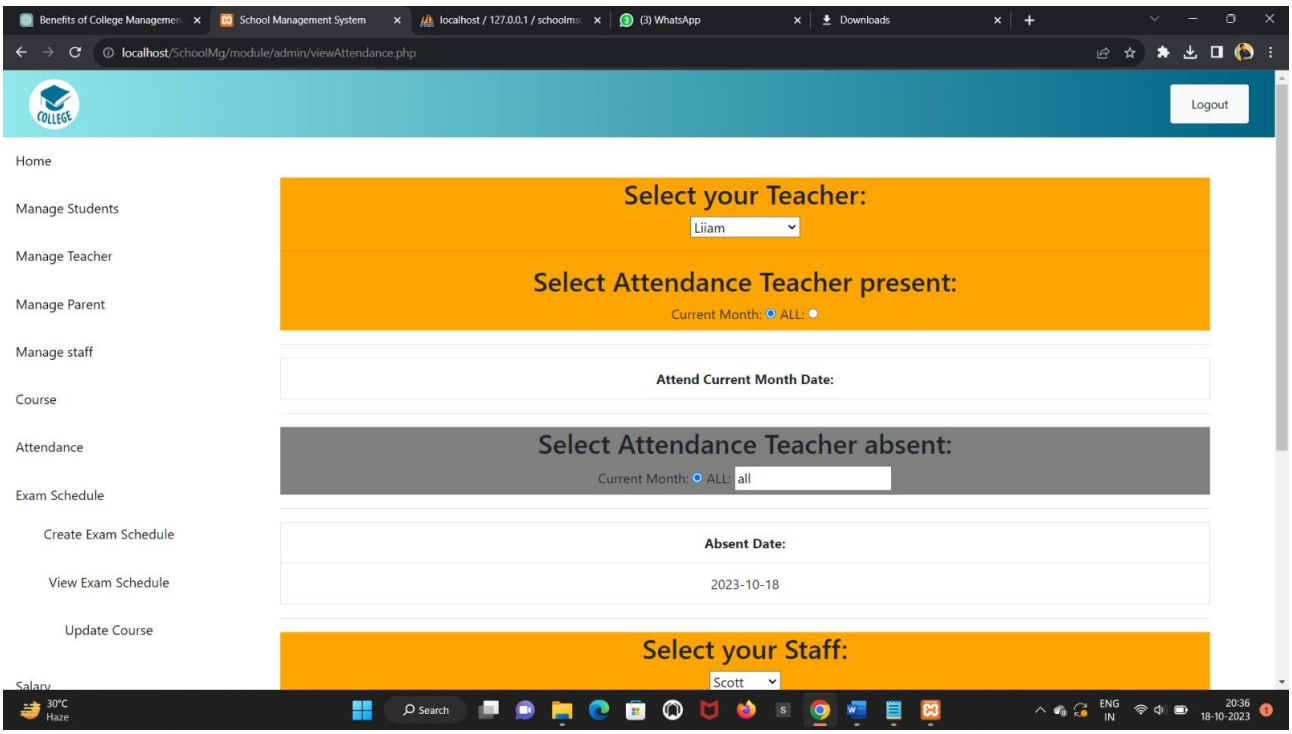

30°C
Haze
Search
ENG
IN
20:33
18-10-2023
Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsc
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/viewParent.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Parent List
ID
Password
Father Name
Mother Name
Father Phone
Mother Phone
pa-123-1
123
Eric
Sophie
01711000000
01711000000
pa-124-1
123
John
Riley
01724242424
01924242314

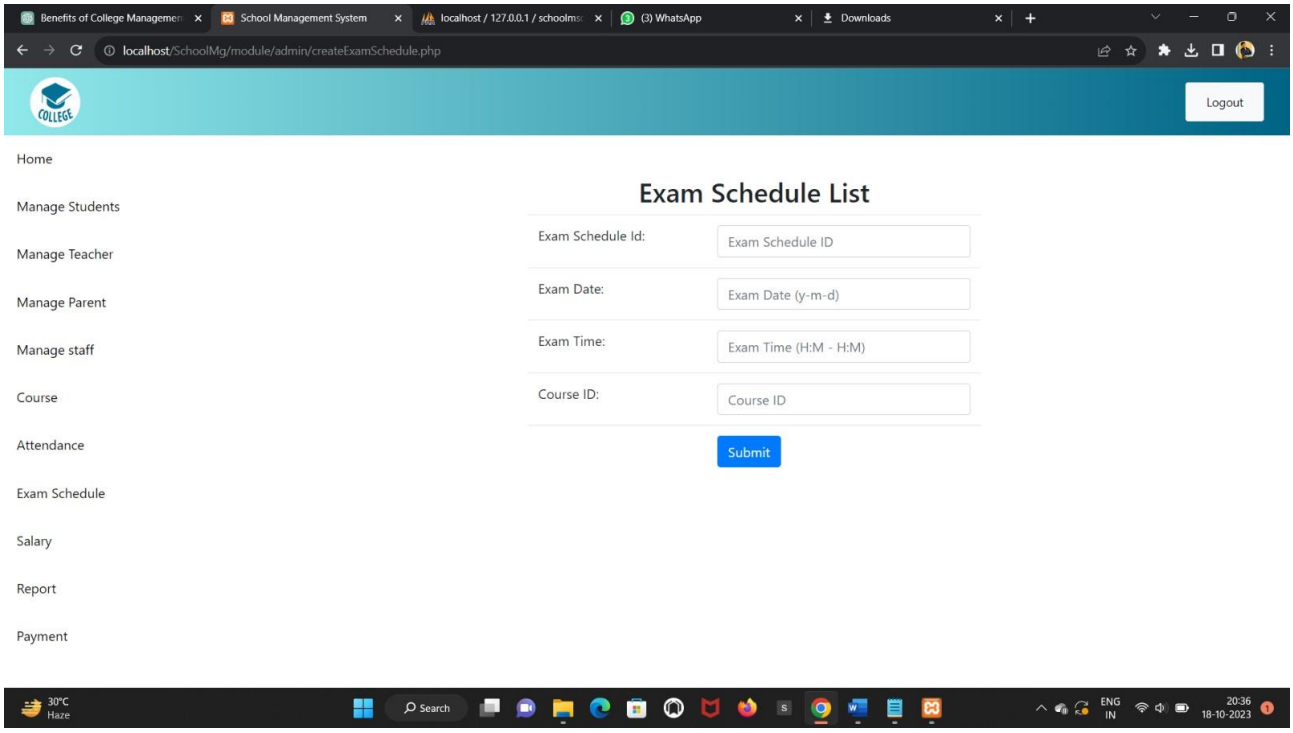

Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsc
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/addParent.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Add New Parent
Parent Id:
Enter Id
Parent Password:
Enter Password
Father Name:
Enter Father Name
Mother Name:
Enter Mother Name
Father Phone:
Enter Father Phone
Mother Phone:
Enter Mother Phone
Address:
Enter Address
Submit

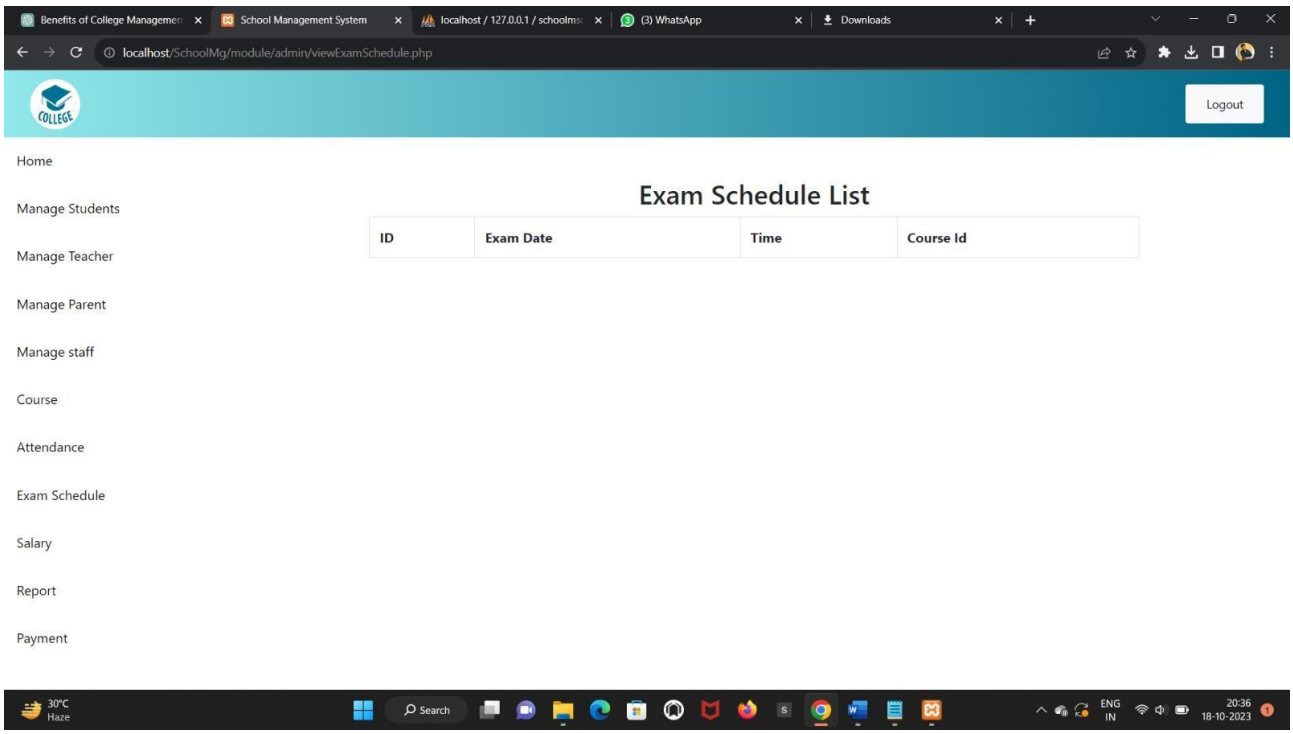

30°C
Haze
Search
ENG
IN
20:34
18-10-2023
Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsc
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/viewParent.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Parent List
ID
Password
Father Name
Mother Name
Father Phone
Mother Phone
pa-123-1
123
Eric
Sophie
01711000000
01711000000
pa-124-1
123
John
Riley
01724242424
01924242314

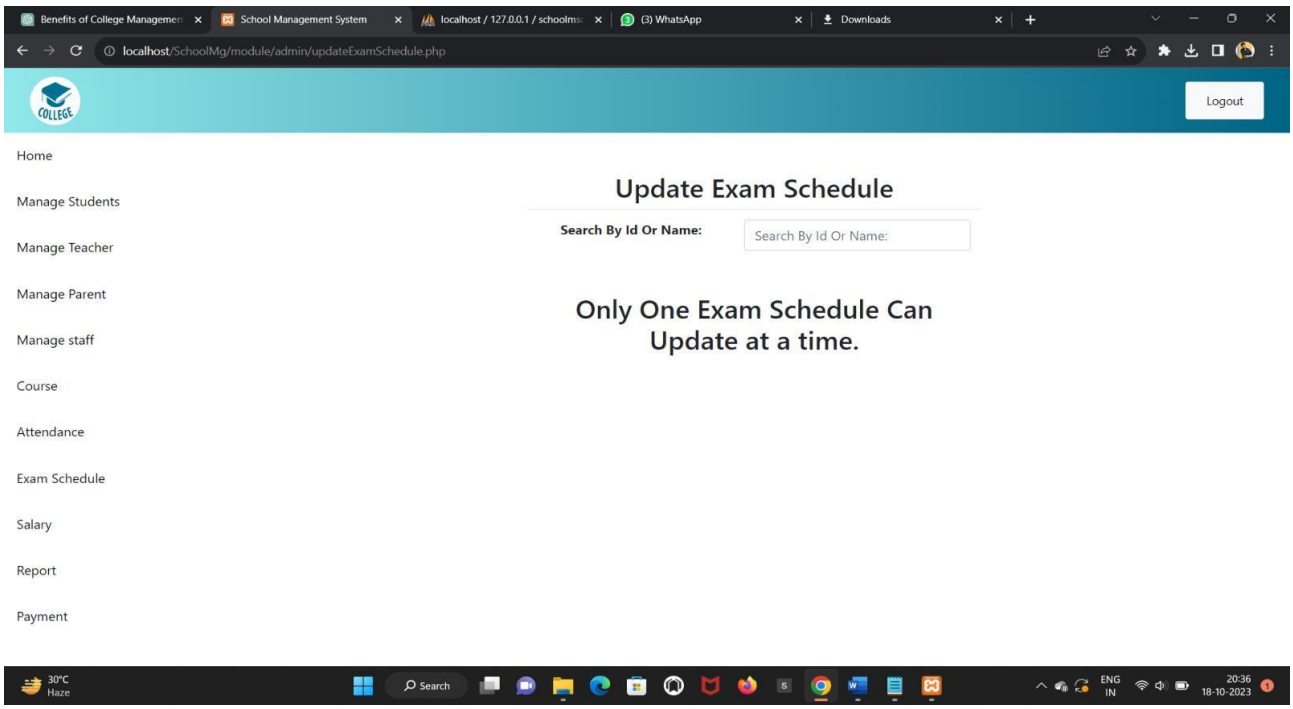

Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsi
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/addCourse.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Course Registration For Student
Class ID:
Course Name:
Teacher ID:
Submit

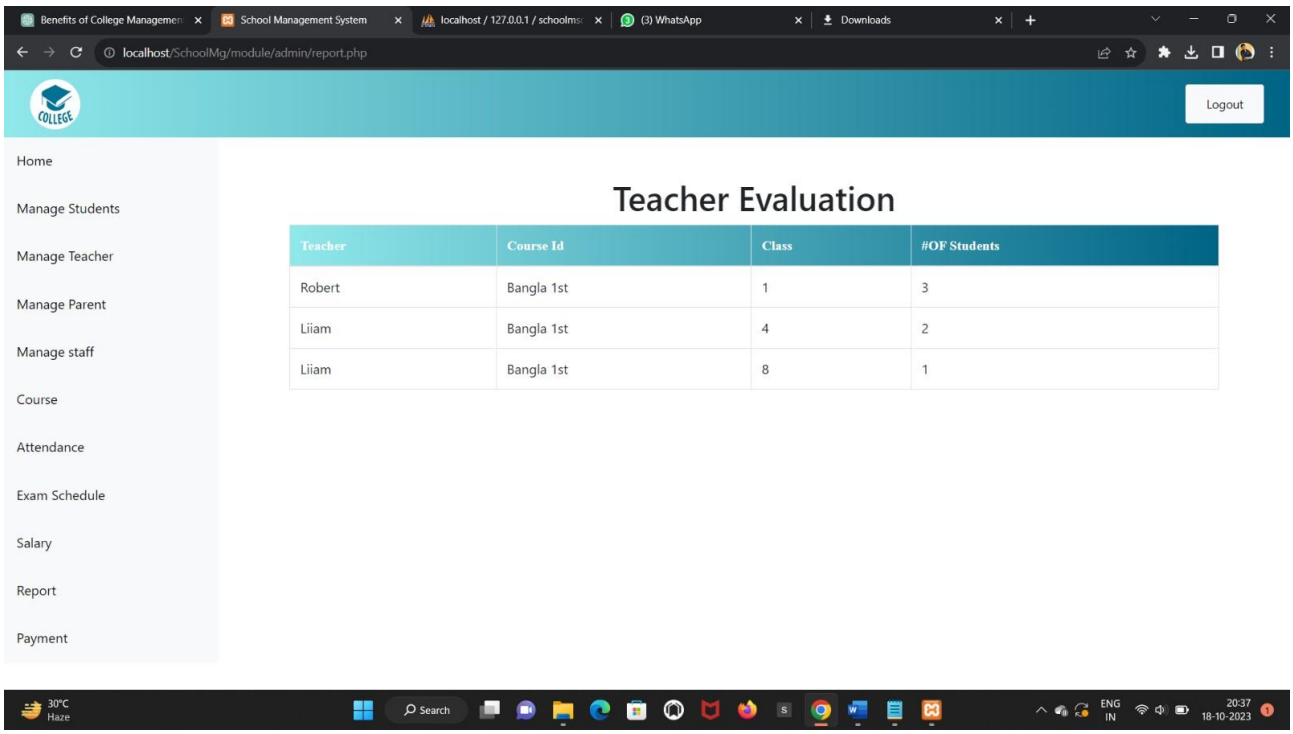

30°C
Haze
Search
ENG
IN
20:35
18-10-2023
Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolmsi
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/staffAttendance.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Staff Attendance List
Click For Attendance
ID
Name
Phone
Email
Present
sta-125-1
Aaron
2587532224
aarontay@gmail.com
Present
sta-126-1
Peterson
2574545888
peteson@gmail.com

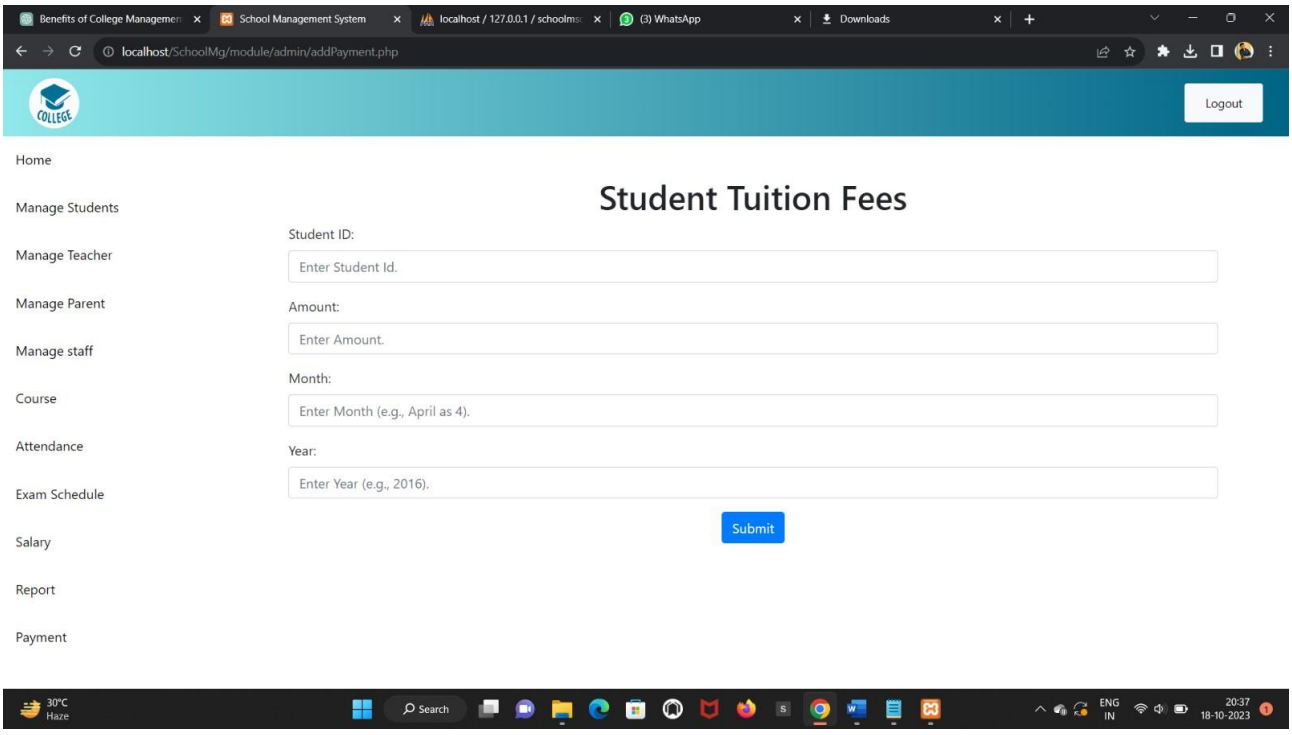

Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolms
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/viewAttendance.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Create Exam Schedule
View Exam Schedule
Update Course
Salary
Select your Teacher:
Liiam
Select Attendance Teacher present:
Current Month: ALL:
Attend Current Month Date:
Select Attendance Teacher absent:
Current Month: ALL: all
Absent Date:
2023-10-18
Select your Staff:
Scott
30°C
Haze
Search
ENG
IN
20:36
18-10-2023


Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolms
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/createExamSchedule.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Exam Schedule List
Exam Schedule Id:
Exam Schedule ID
Exam Date:
Exam Date (y-m-d)
Exam Time:
Exam Time (H:M - H:M)
Course ID:
Course ID
Submit
30°C
Haze
Search
ENG
IN
20:36
18-10-2023


Benefits of College Managemen
School Management System
localhost / 127.0.0.1 / schoolms
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/viewExamSchedule.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Exam Schedule List
ID
Exam Date
Time
Course Id
30°C
Haze
Search
ENG
IN
20:36
18-10-2023


Benefits of College Managemen
School Management System
localhost / 127.0.0.1 / schoolms
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/updateExamSchedule.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Update Exam Schedule
Search By Id Or Name:
Search By Id Or Name:
Only One Exam Schedule Can Update at a time.
30°C
Haze
Search
ENG
IN
20:36
18-10-2023


Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolms
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/report.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Teacher Evaluation
Teacher
Course Id
Class
#OF Students
Robert
Bangla 1st
1
3
Liiam
Bangla 1st
4
2
Liiam
Bangla 1st
8
1
30°C
Haze
Search
ENG
IN
20:37
18-10-2023


Benefits of College Management
School Management System
localhost / 127.0.0.1 / schoolms
(3) WhatsApp
Downloads
localhost/SchoolMg/module/admin/addPayment.php
Logout
Home
Manage Students
Manage Teacher
Manage Parent
Manage staff
Course
Attendance
Exam Schedule
Salary
Report
Payment
Student Tuition Fees
Student ID:
Enter Student Id.
Amount:
Enter Amount.
Month:
Enter Month (e.g., April as 4).
Year:
Enter Year (e.g., 2016).
Submit
30°C
Haze
Search
ENG
IN
20:37
18-10-2023

COMPARATIVE STUDY

MY CAMU (existing model)	**PROPOSED MODEL** (CLASS WAVE)
It's a platform specific software solution	It's a web-based software solution which runs across platform
Cost around 4 lakhs per year based on their institution	Only very small amount of cost will be needed to host and store data in the cloud.
Data is stored in the third-party vendors databases	Transparent data storage
Complex data updation	Simple data updation.
General enterprise level solution without any custom changes	Organizational based solution with customizable software solution.

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  This book was consulted for design pattern inspiration during software development.

  "Learning PHP, MySQL & JavaScript" by Robin Nixon

- This book covers the trio of PHP, MySQL, and JavaScript, providing a solid foundation for web development. It also includes practical examples and projects.

- Various concepts related doubts has been referred to the following website.
  https://stackoverflow.com/

- HTML markup language has been referred to this website
  https://www.tutorialspoint.com/html/index.htm

- For CSS and styling related concepts has been referred by https://developer.mozilla.org/en-US/docs/Web/CSS

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- Php programming language - https://www.learn-php.org/

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- **"Learning MySQL"** by Charles Bell, Mats Kindahl, and Lars Thalmann
  This book is a comprehensive introduction to MySQL, covering everything from basic installation to advanced database administration and development.

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  Visual Studio Code was the primary code editor used for development.

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