

Attendance Management System (AMS)

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IN

COMPUTER SCIENCE



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Signature.....

Name.....

Designation with Stamp.....

DEDICATED

TO

Our Graceful and Polite PARENTS

All Family Members

Who live in our mind and soul

Whose love is more precious

Than pearls and diamonds

Who are those whom We say our

own Whose love will never change

Whose prayers will never die.

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DECLARATION

The work reported in this project was carried out by my team under the supervision of Sir **Mr. Muhammad Ghulam Muhiuddin** (Department of Computer Science) university of Government College Faisalabad, Pakistan.

We hereby declare that title of thesis **Attendance Management System (AMS)** and the contents of thesis are the product of our own research and no part has been copied from any published source (except the references, standards mathematical or genetic models /equations /formulas / protocols, etc). We further declare that this work has not been submitted for award of any other degree / diploma. The University may take action if the information provided is found inaccurate at any stage.

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ABSTRACT

Introducing our attendance management system, a transformative solution designed to enhance accessibility, convenience, and overall productivity for organizations and their employees, especially those with flexible or remote work arrangements. Imagine a platform where employees can effortlessly clock in and out using their mobile devices or biometric systems, streamlining attendance tracking and reducing the need for cumbersome paperwork. This system offers a comprehensive range of features, including real-time attendance monitoring, automated leave requests, and instant notifications for absences, all aimed at minimizing administrative burdens. By integrating seamlessly with payroll systems, it ensures accurate compensation while providing valuable analytics on attendance patterns to help organizations optimize workforce management. This proactive approach addresses barriers to effective employee tracking, catering to the diverse needs of all employees and making attendance management an essential part of a culture productive workplace

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CHAPTER 1

INTRODUCTION

1.1 Introduction:

The Attendance Management System includes the registration of Students and Teachers, storing their details in a secure database, and automated reporting for attendance tracking. The software assigns a unique ID to each student, allowing for easy access to their attendance records and status updates.

An Attendance Management System (AMS) is a software application designed to track and manage employee or student attendance in various settings, such as schools, colleges, and workplace. Capture attendance data in real-time, ensuring that records are up-to-date and accurate. AMS reduces the administrative burden on staff, minimizes human errors, and ensures real-time accuracy in attendance record. It typically includes features such as user authentication, attendance tracking, student or employee management reporting. Facilitates better communication between management, teachers, and students/employees regarding attendance issues. By automating attendance management, organizations can save time, reduce errors, and gain valuable insights into attendance patterns, ultimately leading to better management and improved outcomes. Overall, the primary purpose of an Attendance Management System is to simplify the process of tracking attendance, improve accuracy, organizations make better decisions, and contributes to a more productive and responsible environment.

1.1 Problem Introduction:

Lack of immediate retrievals: -

In traditional attendance systems, retrieving specific attendance records, such as a student's monthly summary or an employee's weekly log can be slow and inefficient. This delay occurs because the data is either stored on paper or in poorly organized digital files, making it difficult to access real-time information for quick decisionmaking, audits, or reporting purposes.

Lack of immediate information storage: -

The information generated by various transactions takes time and efforts to be stored in right place.

Lack of prompt updating: -

Traditional attendance systems often suffer from delays in updating records, especially when data is collected manually and entered later. This can result in outdated or missing information, making it difficult for administrators to monitor attendance trends or take timely actions such as follow-ups on absences or late arrivals.

Error prone manual calculation: -

When attendance data is calculated manually such as counting total days present, late arrivals, or absences there is a high risk of human error. Mistakes in tallying records can lead to incorrect payroll processing, unfair grading, or inaccurate performance evaluations, undermining the reliability of the system. **Preparation of accurate and prompt reports: -**

This becomes a difficult task as information is difficult to collect from various register.

Objective: -

The objectives of an attendance management system for our project are to create a comprehensive and efficient solution for tracking and managing attendance in a seamless manner. The system aims to automate the attendance recording process, thereby reducing the administrative burden and minimizing errors associated with manual tracking.

In other hand we can say that our project has the following objectives:

1. Make the attendance system computerized
2. Reduce time consumption
3. Reduce error scope
4. Paper work is reduced as we need not to maintain registers for future references.

Scope of the Project: -

1. **Automated Attendance Tracking:** The system will automate the process of recording and storing attendance data in real time.
2. **User Roles and Access:** Different user roles (admin, teacher/, student/employee) with appropriate access controls will be defined.
3. **Real-Time Data Access:** Users can view and manage attendance data instantly from any authorized device.
4. **Report Generation:** The system will generate daily, weekly, and monthly attendance reports for individuals or groups.
5. **Error Reduction:** Minimizing human errors through system validations and automatic calculations.
6. **Data Security and Backup:** Ensuring secure storage with regular backups and restricted access.
7. **Scalability:** Designed to accommodate increasing numbers of users and organizational units.

1.2 MODULES:

The entire project mainly consists of 7 modules, which are

- † Admin module
- † User module (student)
- † Teacher module

1.2.1 Admin module:

- Add, edit or remove users(students/teachers).
- Assign roles and access levels.
- View and manage attendance records.
- Generate daily, weekly, or monthly attendance reports.
- Export reports to PDF/Excel.
- Manage own profile

1.2.2 Teacher module:

- View assigned classes or subjects.
- Access student lists for each class.
- Take daily or period-wise attendance.
- View attendance reports for individual students or full classes.
- Weekly/monthly reports are available for review or download
- Teacher reviews and updates the record (if allowed)

1.2.3 User module:

- View profile.
- Keep records of attendance and view attendance. □ Update his profile.

CHAPTER 2

REQUIREMENT SPECIFICATION

2.1 INTRODUCTION:

To operate efficiently, an attendance management system requires certain hardware components and software resources to be available on a computer or network device. These prerequisites, known as system requirements, serve as guidelines to ensure smooth and reliable performance. Generally, attendance management software will specify two sets of system requirements: minimum and recommended. As newer versions introduce enhanced features demanding greater processing power and resources, these requirements often increase over time. Industry experts note that rising system demands frequently encourage organizations to upgrade their existing computer infrastructure more than the drive for technological advancements alone.

2.2 HARDWARE REQUIREMENTS:

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems. An HCL lists tested, compatibility and sometimes incompatible hardware devices for a particular operating system or application. The following sub-sections discuss the various aspects of hardware requirements.

HARDWARE REQUIREMENTS FOR PRESENT PROJECT:

PROCESSOR : Intel dual Core, i3

RAM : 1 GB

HARD DISK : 80 GB

2.3 SOFTWARE REQUIREMENTS:

Software Requirements deal with defining software resource requirements and pre-requisites that need to be installed on a computer to provide optimal functioning of an application. These requirements or pre-requisites are generally not included in the software installation package and need to be installed separately before the software is installed.

SOFTWARE REQUIREMENTS FOR PRESENT PROJECT:

OPERATING SYSTEM: Windows 7/ XP/8/10

FRONT END: HTML, CSS,

JavaScript

SERVER-SIDE SCRIPT: PHP

DATABASE: MySQL

CHAPTER 3

ANALYSIS

3.1 EXISTING SYSTEM:

Most organizations currently use manual or semi-automated methods to monitor and manage employee attendance. Traditional systems often involve paper-based attendance registers or punch cards, which require personnel to record their arrival and departure times manually. These records are then collected and processed manually by administrative staff to calculate attendance data such as hours worked, leaves, and absences.

3.2 PROPOSED SYSTEM:

The proposed attendance management system aims to automate and streamline the tracking of employee attendance to improve accuracy and operational efficiency. Unlike manual methods, the new system will enable real-time data collection through biometric devices, RFID cards, or mobile applications, ensuring dependable and immediate recording of attendance information. By storing all data in a centralized database, the system eliminates redundancy and inconsistency across departments. It will provide managers with real-time reports on employee attendance, absences, and leave balances, facilitating quicker decision-making and enhanced oversight. Integration with payroll systems will automate salary calculations based on attendance data, reducing errors and administrative workload. Additionally, the user-friendly interface will allow both employees and administrators to easily access attendance records and manage leave requests.

3.3 FEASIBILITY STUDY

The feasibility of the project is analyzed in this phase and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. For feasibility analysis, some understanding of the major requirements for the system is essential.

Three key considerations involved in the feasibility analysis are:

3.3.1 Economic Feasibility

This study is carried out to check the economic impact will have on the system will have on the organization. The amount of funds that the company can pour into the research and development of the system is limited. The expenditures must be justified. Thus, the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products have to be purchased.

3.3.2 Technical Feasibility

The proposed system is technically feasible as it leverages existing technologies such as biometric devices, RFID systems, and mobile applications, which are widely available and reliable. The integration of these technologies with a centralized database can be achieved using standard software development practices. Additionally, the system can be hosted on cloud platforms, ensuring scalability and accessibility from various locations within the organization

3.3.3 Operational Feasibility

The operational feasibility of the system is high, as it aligns with the organization's goals of improving efficiency and accuracy in attendance management. The transition from a manual to a digital system will require training for employees and administrators, but the user-friendly interface and mobile access will facilitate a smooth

adoption process. Furthermore, the system will enhance operational workflows by automating attendance tracking and reporting, thereby allowing staff to focus on more strategic tasks.

3.4 SOFTWARE

SPECIFICATION HTML:

HTML or Hypertext Markup Language is the standard markup language used to create web pages.

HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like <html>). HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent empty elements and so are unpaired, for example . The first tag in a pair is the start tag, and the second tag is the end tag (they are also called opening tags and closing tags). Though not always necessary, it is best practice to append a slash to tags that are not paired with a closing tag.

The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML describes the structure of a website semantically along with cues for presentation, making it a markup language rather than a programming language.

HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

CASCADING STYLE SHEETS (CSS):

It is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.

CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts.^[1] This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content .

CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified. However, if the author or the reader did not link the document to a specific style sheet the default style of the browser will be applied.

MySQL:

MySQL is developed, distributed, and supported by Oracle Corporation. MySQL is a database system used on the web it runs on a server. MySQL is ideal for both small and large applications. It is very fast, reliable, and easy to use. It supports standard SQL. MySQL can be compiled on a number of platforms.

The data in MySQL is stored in tables. A table is a collection of related data, and it consists of columns and rows. Databases are useful when storing information categorically.

FEATURES OF MySQL:

Internals and portability:

- Written in C and C++.
- Tested with a broad range of different compilers.
- Works on many different platforms.
- Tested with Purify (a commercial memory leakage detector) as well as with Val grind, a GPL tool.
- Uses multi-layered server design with independent modules.

Security:

- A privilege and password system that is very flexible and secure, and that enables host-based verification.
- Password security by encryption of all password traffic when you connect to a server.

Scalability and Limits:

- Support for large databases. We use MySQL Server with databases that contain 50 million records. We also know of users who use MySQL Server with 200,000 tables and about 5,000,000,000 rows.

- Support for up to 64 indexes per table (32 before MySQL 4.1.2). Each index may consist of 1 to 16 columns or parts of columns. The maximum index width is 767 bytes for **InnoDB** tables, or 1000 for **MyISAM**; before MySQL 4.1.2, the limit is 500 bytes. An index may use a prefix of a column for **CHAR**, **VARCHAR**, **BLOB**, or **TEXT** column types.

CONNECTIVITY:

Clients can connect to MySQL Server using several protocols:

- Clients can connect using TCP/IP sockets on any platform.
- On Windows systems in the NT family (NT, 2000, XP, 2003, or Vista), clients can connect using named pipes if the server is started with the --enable-named-pipe option. In MySQL 4.1 and higher, Windows servers also support shared-memory connections if started with the --shared-memory option. Clients can connect through shared memory by using the --protocol=memory option.
- On UNIX systems, clients can connect using Unix domain socket files.

LOCALIZATION:

- The server can provide error messages to clients in many languages.
- All data is saved in the chosen character set.

CLIENTS AND TOOLS:

- MySQL includes several client and utility programs. These include both command-line programs such as **MySQL dump** and **mysqladmin**, and graphical programs such as **MySQL Workbench**.
- MySQL Server has built-in support for SQL statements to check, optimize, and repair tables. These statements are available from the command line through the **mysqlcheck** client. MySQL also includes **myisamchk**, a very fast command-line utility for performing these operations on **MyISAM** tables.
- MySQL programs can be invoked with the --help or -? option to obtain online assistance.

WHY TO USE MySQL:

- Leading open source RDBMS
- Ease of use – No frills
- Fast
- Robust
- Security
- Multiple OS support

- Free
- Technical support
- Support large database— up to 50 million rows, file size limit up to 8 Million TB

JAVASCRIPT:

JavaScript is the scripting language of the Web. All modern HTML pages are using JavaScript. A scripting language is a lightweight programming language. JavaScript code can be inserted into any HTML page, and it can be executed by all types of web browsers. JavaScript is easy to learn.

WHY TO USE JAVASCRIPT:

JavaScript is one of the 3 languages all web developers must learn:

1. HTML to define the content of web pages
2. CSS to specify the layout of web pages
3. JavaScript to specify the behavior of web pages

```
Example x = document.getElementById("demo"); //Find the HTML element with  
id="demo" x.innerHTML = "Hello JavaScript"; //Change the content of the HTML  
element
```

document.getElementById() is one of the most commonly used HTML DOM methods.

OTHER USES OF JAVASCRIPT:

- Delete HTML elements
- Create new HTML elements
- Copy HTML elements
- In HTML, JavaScript is a sequence of statements that can be executed by the web browser.

JAVASCRIPT STATEMENTS:

- JavaScript statements are "commands" to the browser.
- The purpose of the statements is to tell the browser what to do.
- This JavaScript statement tells the browser to write "Hello Dolly" inside an HTML element with id="demo":

Semicolon;
- Semicolon separates JavaScript statements.
- Normally you add a semicolon at the end of each executable statement.
- Using semicolons also makes it possible to write many statements on one line.

JAVASCRIPT CODE:

- JavaScript code (or just JavaScript) is a sequence of JavaScript statements.

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- Each statement is executed by the browser in the sequence they are written.
- This example will manipulate two HTML elements:
- Example
- ```
document.getElementById("demo").innerHTML="Hello
document.getElementById("myDIV").innerHTML="How are you?";
Dolly";
```

### **JAVASCRIPT PROPERTIES:**

- Properties are the values associated with a JavaScript object.
- A JavaScript object is a collection of unordered properties.
- Properties can usually be changed, added, and deleted, but some are read only.

## **PHP:**

### **WHAT IS PHP?**

- PHP is an acronym for "PHP Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP costs nothing, it is free to download and use

### **WHAT IS PHP FILE?**

- PHP files can contain text, HTML, CSS, JavaScript, and PHP code
- PHP code are executed on the server, and the result is returned to the browser as plain HTML
- PHP files have extension ".php"

### **WHAT CAN PHP DO?**

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can restrict users to access some pages on your website
- PHP can encrypt data

With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as XHTML and XML.

### **WHY PHP?**

- PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)

- PHP is compatible with almost all servers used today (Apache, IIS, etc.)
- PHP supports a wide range of databases
- PHP is free. Download it from the official PHP resource: [www.php.net](http://www.php.net)

## **CHAPTER 4**

### **DESIGN**

## **4.1 SYSTEM DESIGN:**

### **4.1.1 INTRODUCTION TO UML:**

#### **UML Design**

The Unified Modeling Language (UML) is a standard language for specifying, visualizing, constructing, and documenting the software system and its components. It is a graphical language, which provides a vocabulary and set of semantics and rules. The UML focuses on the conceptual and physical representation of the system. It captures the decisions and understandings about systems that must be constructed. It is used to understand, design, configure, maintain, and control information about the systems.

The UML is a language for:

- Visualizing
  - Specifying
  - Constructing
  - Documenting
- Visualizing**

Through UML we see or visualize an existing system and ultimately we visualize how the system is going to be after implementation. Unless we think, we cannot implement. UML helps to visualize, how the components of the system communicate and interact with each other.

#### **Specifying**

Specifying means building, models that are precise, unambiguous and complete UML addresses the specification of all the important analysis design, implementation decisions that must be made in developing and deploying a software system.

#### **Constructing**

UML models can be directly connected to a variety of programming language through mapping a model from UML to a programming language like JAVA or C++ or VB. Forward Engineering and Reverse Engineering is possible through UML.

#### **Documenting**

The Deliverables of a project apart from coding are some Artifacts, which are critical in controlling, measuring and communicating about a system during its developing requirements, architecture, desire, source code, project plans, tests, prototypes releases, etc...

## **4.2 UML Approach UML**

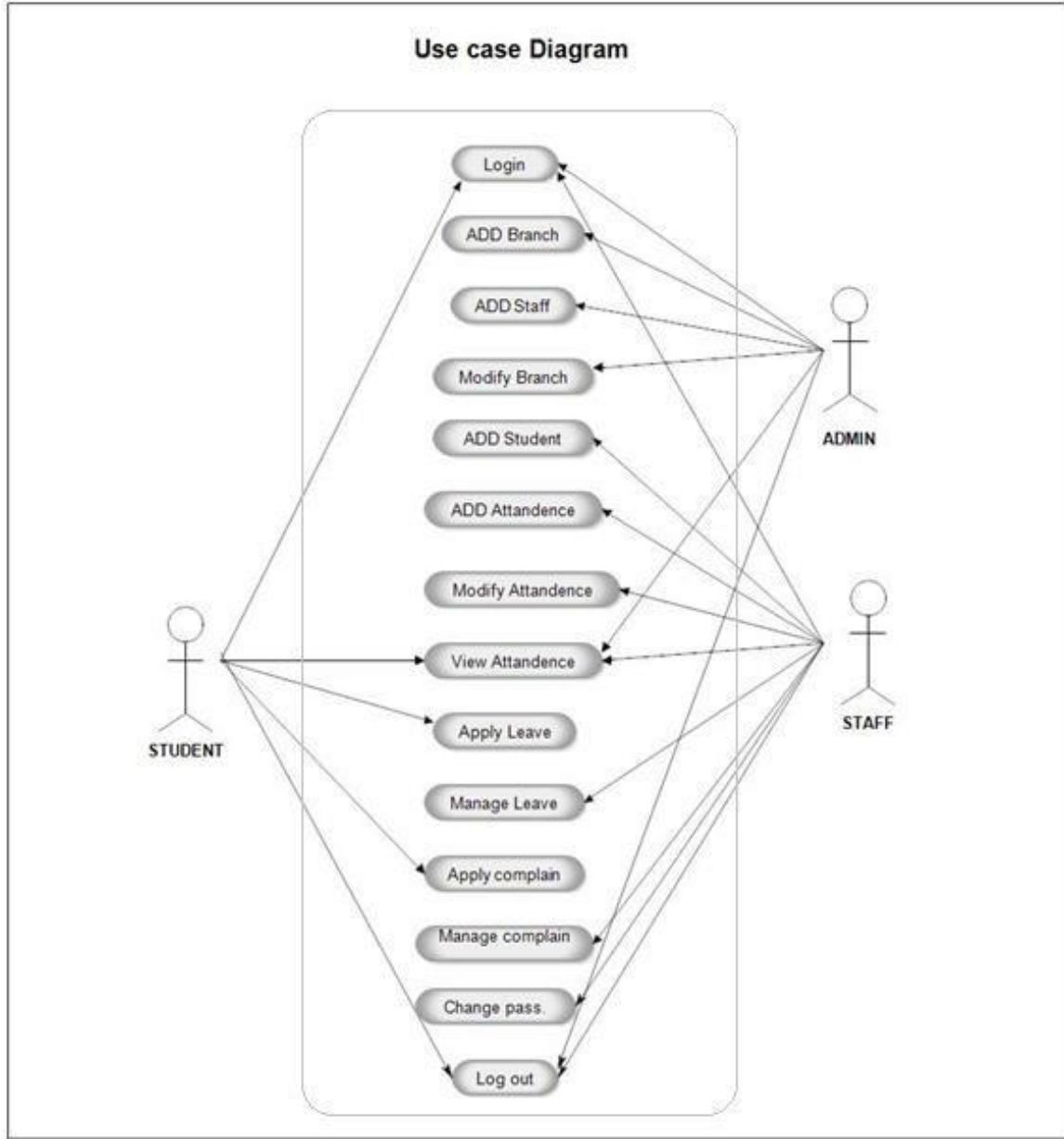
#### **Diagram**

A diagram is the graphical presentation of a set of elements, most often rendered as a connected graph of vertices and arcs . you draw diagram to visualize a system from different perspective, so a diagram is a projection into a system. For all but most trivial systems, a diagram represents an elided view of the elements that make up a system. The same element may appear in all diagrams, only a few diagrams , or in no diagrams at all. In theory, a diagram may contain any combination of things and relationships. In practice, however, a small number of common combinations arise, which are consistent with the five most useful views that comprise the architecture of a software-intensive system. For this reason, the UML includes nine such diagrams:

1. Class diagram
2. Object diagram
3. Use case diagram
4. Sequence diagram
5. WBS diagram
6. Activity diagram
7. ER diagram

## **USE CASE DIAGRAM:**

A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases.



### Class Diagram:

A Class is a category or group of things that has similar attributes and common behavior. A Rectangle is the icon that represents the class it is divided into three areas. The upper most area contains the name, the middle; area contains the attributes and the lowest areas show the operations. Class diagrams provides the representation that developers work from. Class diagrams help on the analysis side, too.

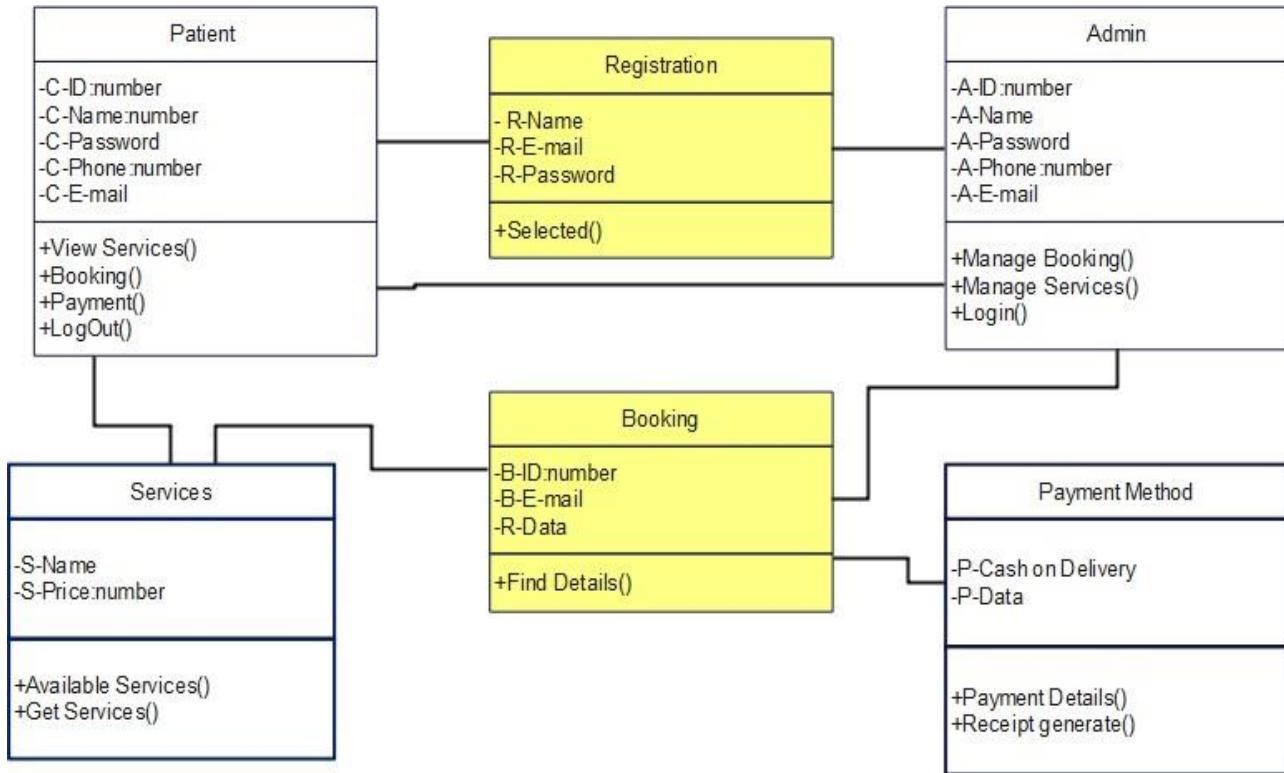


Figure 4. 4 Class Diagram

### Sequence diagram:

A **sequence Diagram** is an interaction diagram that emphasizes the time ordering of messages; a collaboration diagram is an interaction diagram that emphasizes the structural organization of the objects that send and receive messages. Sequence diagrams and collaboration diagrams are isomorphic, meaning that you can take one and transform it into the other.

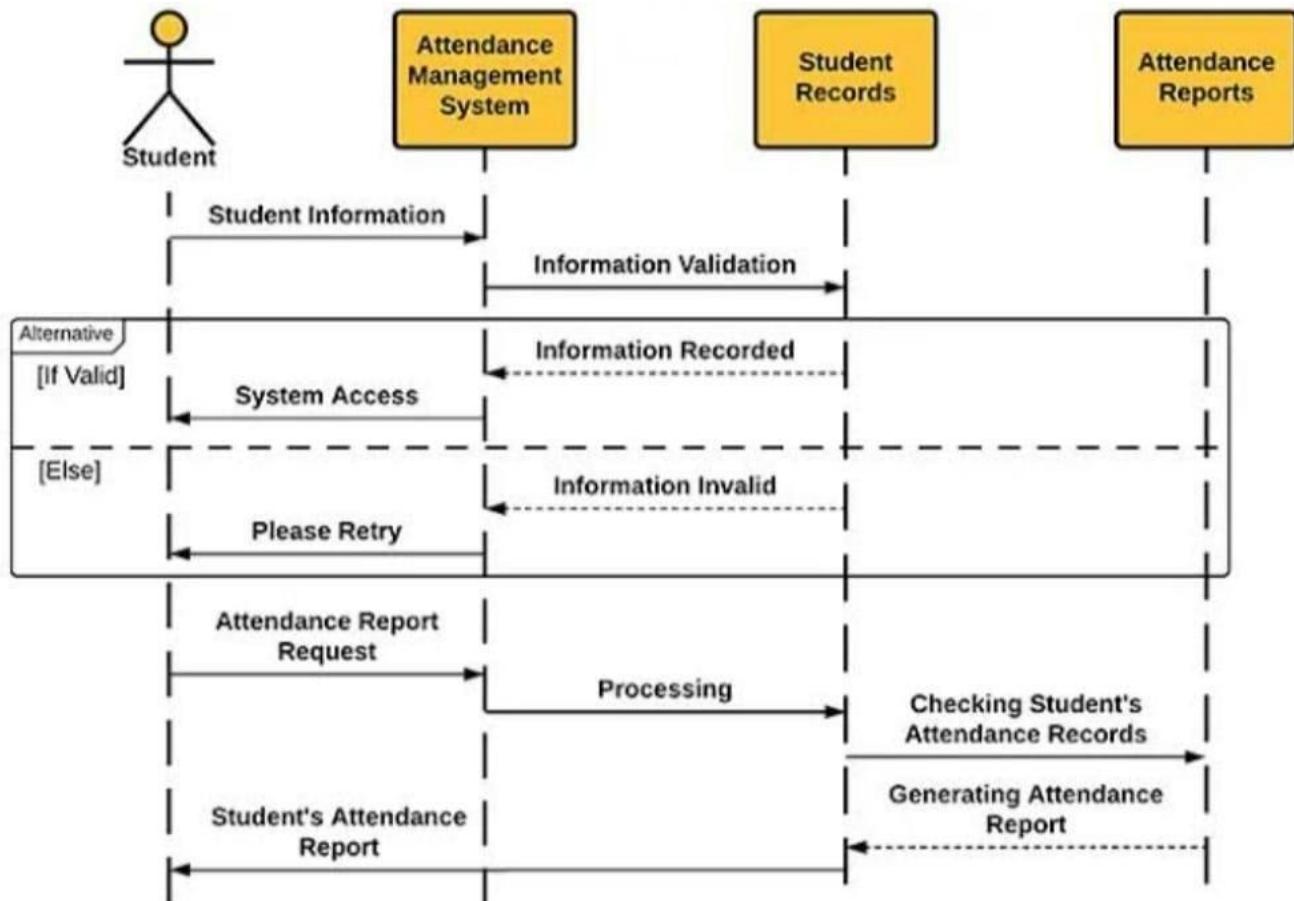


Figure 4. 5 Sequence Diagram

### Activity diagram:

An **activity diagram** is a type of UML (Unified Modeling Language) diagram that illustrates the flow of activities within a system or process. It's particularly useful for modeling business processes and the dynamic aspects of a system. In simple terms, it's like a flowchart that focuses on the actions and activities that take place in a system, showing the sequence of activities and how they are related. Arrows indicate the flow of control or the sequence of activities, while nodes represent the activities themselves.

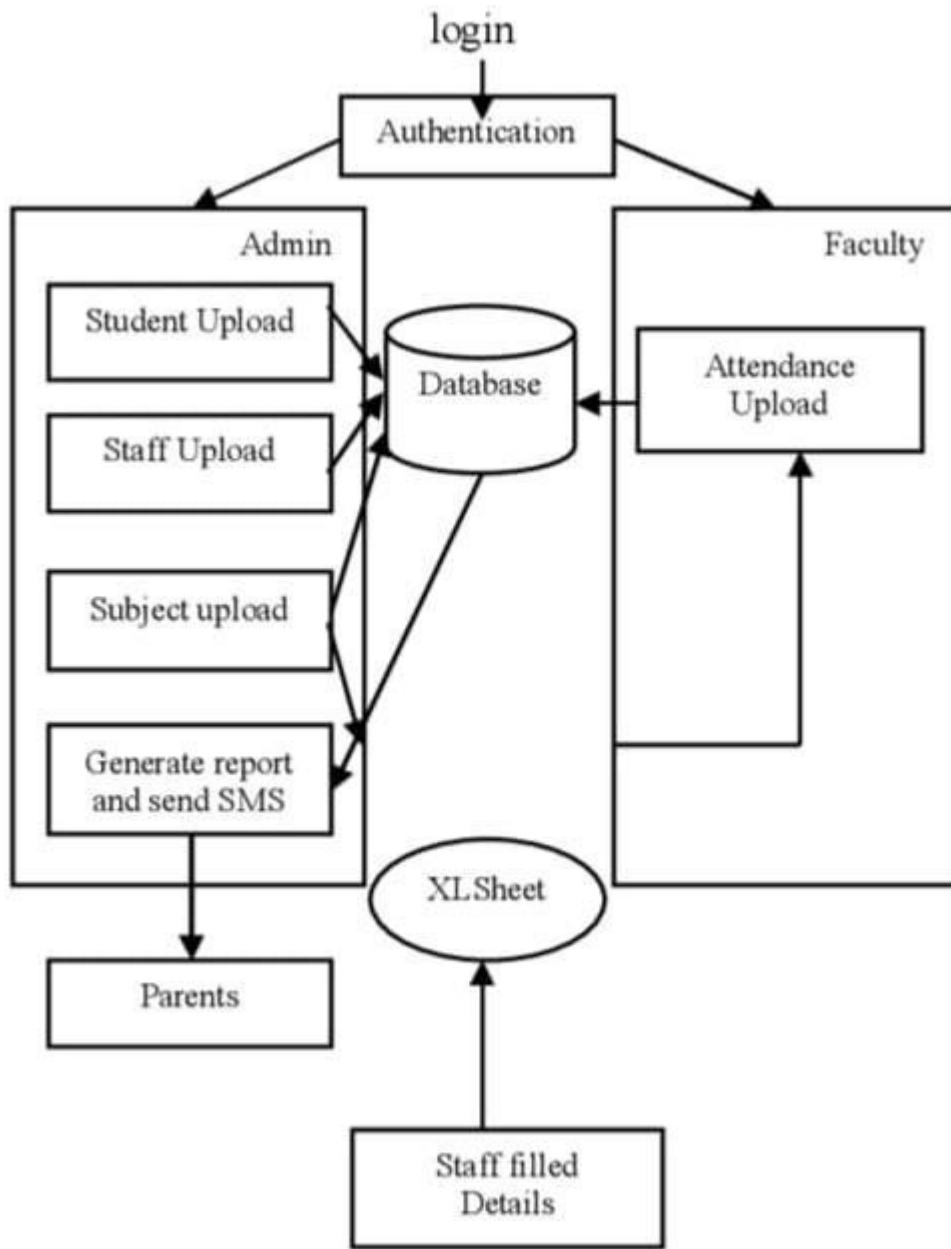
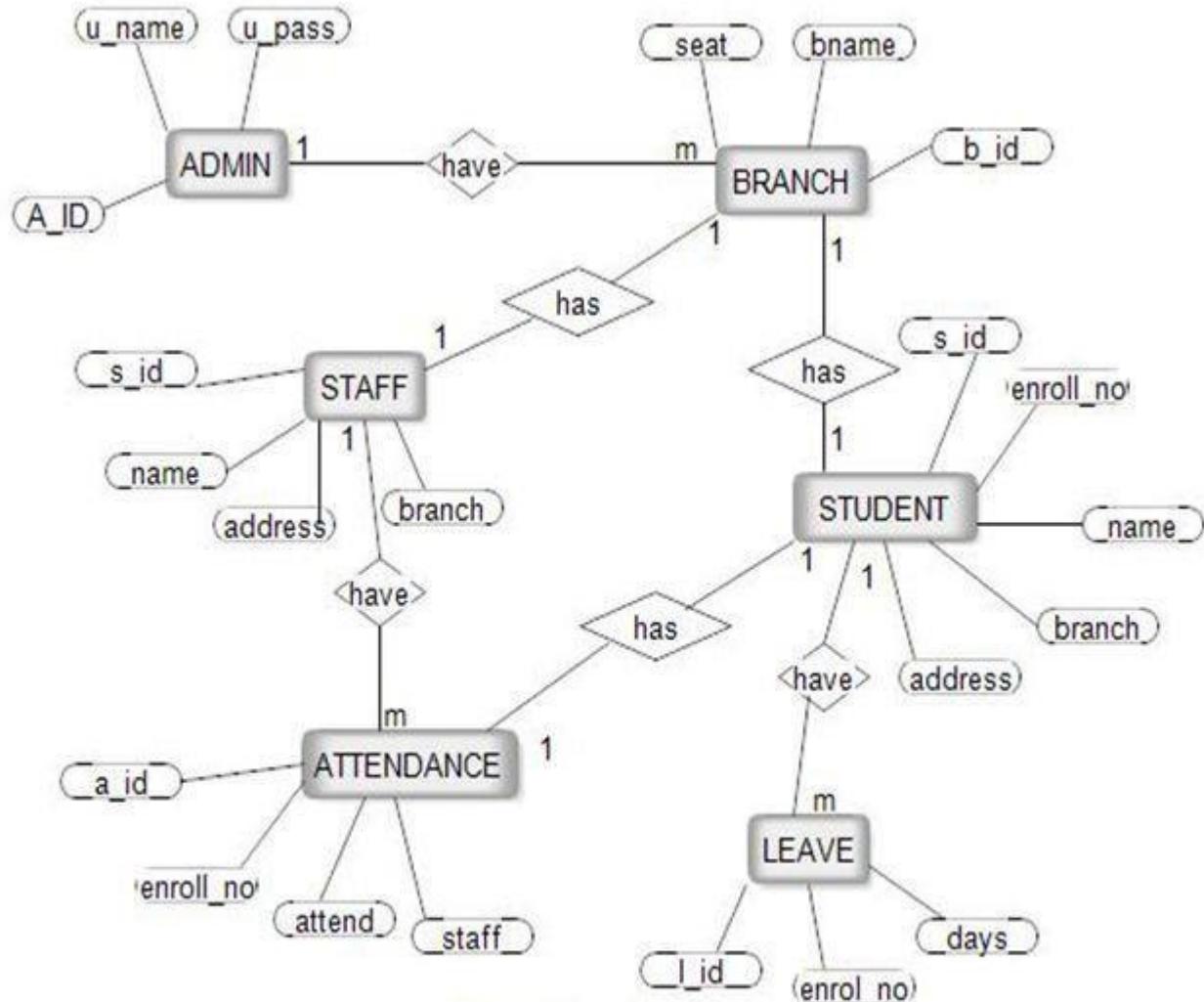


Figure 4. 6 Activity diagram

### ERD (Entity Relationship Diagram):

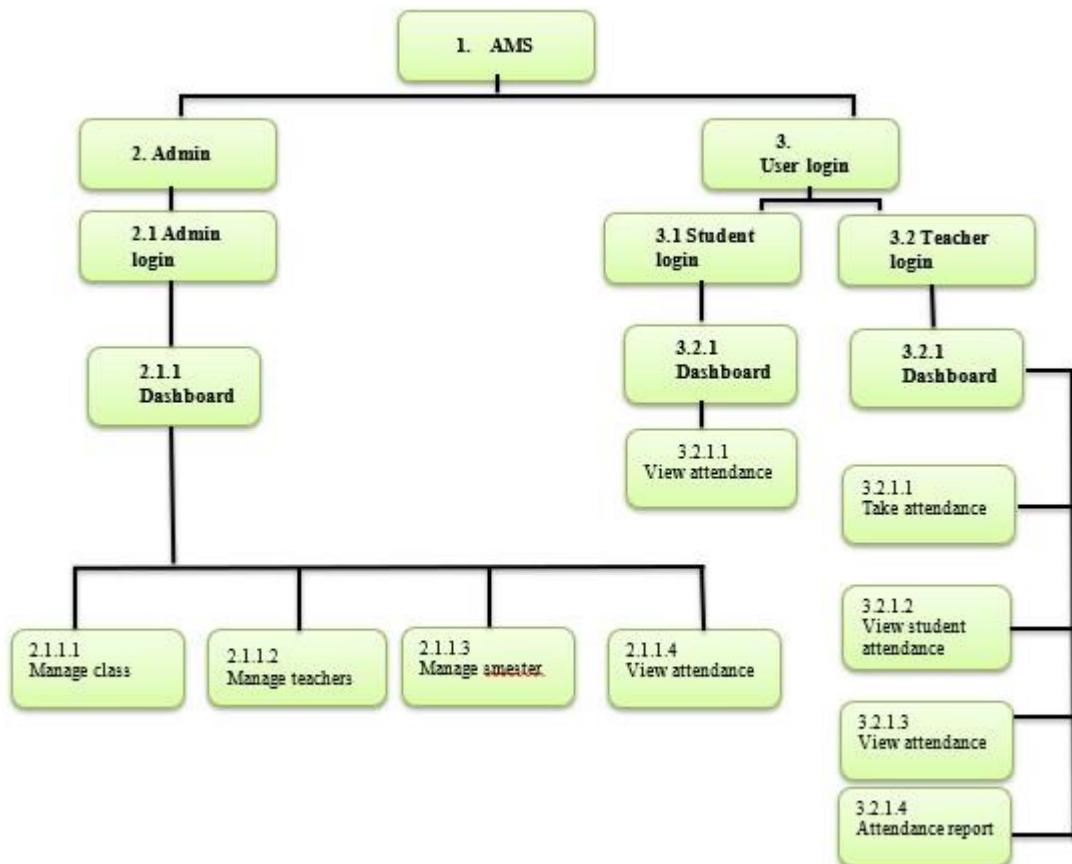
An **Entity-Relationship Diagram (ERD)** is a visual representation of the relationships among entities in a database. It uses symbols to depict the entities, attributes, and relationships between them. Entities are typically nouns, representing objects or concepts, and relationships illustrate how these entities are connected. Attributes, on the other hand, describe the properties of entities. ERDs are valuable tools for designing and understanding the structure of a database system.



**E- R Diagram**  
**Student Attendance Management System**

### WBS (Work Breakdown Structure):

**WBS** stands for Work Breakdown Structure. It's a project management tool that breaks down a project into smaller, more manageable parts called work packages. These work packages represent tasks or activities that contribute to the overall project. The WBS helps in organizing and defining the scope of the project, making it easier to plan, execute, and monitor.



*Figure 4. 11 WBS*

## CHAPTER 5

## SYSTEM IMPLEMENTATION

## **5. IMPLEMENTATION:**

### **5.1 Introduction:**

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective.

The implementation stage involves careful planning, investigation of the existing system and its constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods.

### **5.2 Sample code:**

#### **Index.php**

```
<?php include
'./Includes/dbcon.php';
include '../Includes/session.php';

$query = "SELECT tblclass.className,tblclassarms.classArmName
FROM tblclassteacher
INNER JOIN tblclass ON tblclass.Id = tblclassteacher.classId
INNER JOIN tblclassarms ON tblclassarms.Id = tblclassteacher.classArmId Where
tblclassteacher.Id = '$_SESSION[userId]'";

$rs = $conn->query($query);
$num = $rs->num_rows;
$rrw = $rs->fetch_assoc();
?>

<!DOCTYPE html>
<html lang="en">

<head>
 <meta charset="utf-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">
 <link href="img/logo/logos.png" rel="icon">
 <title>Dashboard</title>
 <link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
 <link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
 <link href="css/ruang-admin.min.css" rel="stylesheet"> <style>
 a{
```

## **Government College University Faisalabad**

```
text-decoration:none !important;
} .text-xs{
font-size:17px;
color:#757575;
text-decoration: none !important;
}
/* Navbar styling */
.navbar {
background: linear-gradient(to right, #000000, #333333);
height: 80px;
box-shadow: 0 2px 10px rgba(0,0,0,0.2);
}
/* Card styling */
.dashboard-card {
transition:
transform 0.3s ease;
border-left: 4px solid;
border-radius: 5px;
}
.dashboard-card:hover {
transform: translateY(-5px);
}
.card-icon {
font-size: 2rem;
}
</style>
</head>

<body id="page-top">
<div id="wrapper">
<!-- Sidebar -->
<?php include "Includes/sidebar.php";?>
<!-- Sidebar -->
<div id="content-wrapper" class="d-flex flex-column">
<div id="content">
<!-- TopBar -->
<?php include "Includes/topbar.php";?>
<!-- End of Topbar -->

<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
<div class="d-sm-flex align-items-center justify-content-between mb-4">
<h1 class="h3 mb-0 text-gray-800">Administrator Dashboard</h1>
<ol class="breadcrumb">
<li class="breadcrumb-item">Home
<li class="breadcrumb-item active" aria-current="page">Dashboard

</div>
<div class="row mb-4">
<!-- Students Card --></pre>
```

## **Government College University Faisalabad**

```
<?php
$query1=mysqli_query($conn,"SELECT * from tblstudents");
$students = mysqli_num_rows($query1);
?>
<div class="col-xl-4 col-md-6 mb-4">

<div class="card dashboard-card h-100 border-left-info">
<div class="card-body">
<div class="row no-gutters align-items-center">
<div class="col mr-2">
<div class="text-xs font-weight-bold text-info text-uppercase mb-1">Students</div>
<div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $students;?></div>
</div>
<div class="col-auto">
<i class="fas fa-users fa-2x text-info card-icon"></i>
</div>
</div>
</div>
</div>

</div>

<!-- Class Card -->
<?php
$query1=mysqli_query($conn,"SELECT * from tblclass");
$class = mysqli_num_rows($query1);
?>
<div class="col-xl-4 col-md-6 mb-4">

<div class="card dashboard-card h-100 border-left-primary">
<div class="card-body">
<div class="row no-gutters align-items-center">
<div class="col mr-2">
<div class="text-xs font-weight-bold text-primary text-uppercase mb-1">Classes</div>
<div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $class;?></div>
</div>
<div class="col-auto">
<i class="fas fa-chalkboard fa-2x text-primary card-icon"></i>
</div>
</div>
</div>

</div>

<!-- Semester Card -->
<?php
$query1=mysqli_query($conn,"SELECT * from tblclassarms");
$semesters = mysqli_num_rows($query1);
?>
```

## **Government College University Faisalabad**

```
<div class="col-xl-4 col-md-6 mb-4">

 <div class="card dashboard-card h-100 border-left-success">
 <div class="card-body">
 <div class="row no-gutters align-items-center">
 <div class="col mr-2">
 <div class="text-xs font-weight-bold text-success text-uppercase mb-1">Semesters</div>
 <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $semesters;?></div>
 </div>
 <div class="col-auto">
 <i class="fas fa-code-branch fa-2x text-success card-icon"></i>
 </div>
 </div>
 </div>

 </div>

 <!-- Attendance Card - Fixed -->
 <?php
 $query1=mysqli_query($conn,"SELECT COUNT(DISTINCT admissionNo, dateTaken) as total_attendance
from tbleattendance");
 $attendanceData = mysqli_fetch_assoc($query1);
 $totAttendance = $attendanceData['total_attendance'];
 ?>
 <!-- Attendance Card -->
<div class="col-xl-4 col-md-6 mb-4">

 <div class="card dashboard-card h-100 border-left-secondary">
 <div class="card-body">
 <div class="row no-gutters align-items-center">
 <div class="col mr-2">
 <div class="text-xs font-weight-bold text-secondary text-uppercase mb-1">Total Attendance</div>
 <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $totAttendance;?></div>
 </div>
 <div class="col-auto">
 <i class="fas fa-calendar fa-2x text-secondary card-icon"></i>
 </div>
 </div>

 </div>

 <!-- Teachers Card -->
 <?php
 $query1=mysqli_query($conn,"SELECT * from tblclassteacher");
 $classTeacher = mysqli_num_rows($query1);
 ?>
```

### **Government College University Faisalabad**

```
<div class="col-xl-4 col-md-6 mb-4">

 <div class="card dashboard-card h-100 border-left-danger">
 <div class="card-body">
 <div class="row no-gutters align-items-center">
 <div class="col mr-2">
 <div class="text-xs font-weight-bold text-danger text-uppercase mb-1">Class Teachers</div>
 <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $classTeacher;?></div>
 </div>
 <div class="col-auto">
 <i class="fas fa-chalkboard-teacher fa-2x text-danger card-icon"></i>
 </div>
 </div>
 </div>
 </div>

 </div>
 </div>
 <!--Container Fluid-->
 </div>
 <!-- Footer -->
 <?php include 'includes/footer.php';?>
 <!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
<script src="../Librarys/chart.js/Chart.min.js"></script>

</body>
</html>
```

### **Sidebar.php**

```
<style>

#sidee{
 height: 80px;
 background-color: hsla(41, 81.40%, 27.50%, 0.91) !important;
```

## **Government College University Faisalabad**

```
}

.navbar-nav{
 width: 22rem !important;
}

.collapse-item{
 color: grey;
}

span{
 font-size:19px !important;
}

.ams-logo {
 height: 45px;
 width: 45px;
 border-radius: 50%;
 object-fit: cover;
 margin-right: 15px;
}

</style>

<ul class="navbar-nav sidebar sidebar-light accordion" id="accordionSidebar">

 <div class="sidebar-brand-icon" >

 </div>
 <div class="sidebar-brand-text mx-3" style="font-weight: 600;">AMS</div>

 <hr class="sidebar-divider my-0">
 <li class="nav-item active">

 <i class="fas fa-fw fa-tachometer-alt"></i>
 Dashboard

 <hr class="sidebar-divider">
 <div class="sidebar-heading">
 Class and Class Section
 </div>
 <li class="nav-item">
 <a class="nav-link collapsed" href="#" data-toggle="collapse" data-target="#collapseBootstrap"
 aria-expanded="true" aria-controls="collapseBootstrap">
 <i class="fas fa-chalkboard"></i>
 Manage Classes

 <div id="collapseBootstrap" class="collapse" aria-labelledby="headingBootstrap" data-parent="#accordionSidebar">
 <div class="bg-white py-2 collapse-inner rounded">
 <h6 class="collapse-header">Manage Classes</h6>
```

## **Government College University Faisalabad**

```
Create Class
<!-- Member List -->
</div>
</div>

<li class="nav-item">
<a class="nav-link collapsed" href="#" data-toggle="collapse" data-target="#collapseBootstrapusers"
aria-expanded="true" aria-controls="collapseBootstrapusers">
<i class="fas fa-code-branch"></i>
Manage Semesters

<div id="collapseBootstrapusers" class="collapse" aria-labelledby="headingBootstrap" data-
parent="#accordionSidebar">
<div class="bg-white py-2 collapse-inner rounded">
<h6 class="collapse-header">Manage Semesters</h6>
Create Semesters
</div>
</div>

<hr class="sidebar-divider">
<div class="sidebar-heading">
Teachers
</div>
<li class="nav-item">
<a class="nav-link collapsed" href="#" data-toggle="collapse" data-target="#collapseBootstrapassests"
aria-expanded="true" aria-controls="collapseBootstrapassests">
<i class="fas fa-chalkboard-teacher"></i>
Manage Teachers

<div id="collapseBootstrapassests" class="collapse" aria-labelledby="headingBootstrap" data-
parent="#accordionSidebar">
<div class="bg-white py-2 collapse-inner rounded">
<h6 class="collapse-header">Manage Class Teachers</h6>
Create Class Teachers
<!-- Assets Category List
Create Assets -->
</div>
</div>

<!-- <li class="nav-item">
<a class="nav-link collapsed" href="#" data-toggle="collapse" data-target="#collapseBootstrapschemes"
aria-expanded="true" aria-controls="collapseBootstrapschemes">
<i class="fas fa-home"></i>
Manage Schemes

```

## **Government College University Faisalabad**

```
<div id="collapseBootstrapschemes" class="collapse" aria-labelledby="headingBootstrap" data-parent="#accordionSidebar">
 <div class="bg-white py-2 collapse-inner rounded">
 <h6 class="collapse-header">Manage Schemes</h6>
 Create Scheme
 Scheme List
 </div>
</div>
 -->

<hr class="sidebar-divider">
<div class="sidebar-heading">
 Students
</div>

<li class="nav-item">

 <i class="fas fa-user-graduate"></i>
 Manage Students

 <div id="collapseBootstrap2" class="collapse" aria-labelledby="headingBootstrap" data-parent="#accordionSidebar">
 <div class="bg-white py-2 collapse-inner rounded">
 <h6 class="collapse-header">Manage Students</h6>
 Create Students
 <!-- Assets Type -->
 </div>
 </div>

<hr class="sidebar-divider">
<li class="nav-item">

 <i class="fas fa-calendar-check"></i>
 Total Attendance

<!-- <li class="nav-item">

 <i class="fab fa-fw fa-wpforms"></i>
 Forms

<li class="nav-item">
```

## **Government College University Faisalabad**

```

 <i class="fas fa-fw fa-table"></i>
 Tables

<div id="collapseTable" class="collapse" aria-labelledby="headingTable" data-parent="#accordionSidebar">
 <div class="bg-white py-2 collapse-inner rounded">
 <h6 class="collapse-header">Tables</h6>
 Simple Tables
 DataTables
 </div>
</div>

<li class="nav-item">

 <i class="fas fa-fw fa-palette"></i>
 UI Colors

<hr class="sidebar-divider">
<div class="sidebar-heading">
 Examples
</div>
<li class="nav-item">

 <i class="fas fa-fw fa-columns"></i>
 Pages

<div id="collapsePage" class="collapse" aria-labelledby="headingPage" data-parent="#accordionSidebar">
 <div class="bg-white py-2 collapse-inner rounded">
 <h6 class="collapse-header">Example Pages</h6>
 Login
 Register
 404 Page
 Blank Page
 </div>
</div>

<li class="nav-item">

 <i class="fas fa-fw fa-chart-area"></i>
 Charts

 -->
```

</ul>

### **CreateClass.php**

```
<?php
error_reporting(0);
include '../Includes/dbcon.php';
include '../Includes/session.php';

//-----SAVE-----
if(isset($_POST['save'])){
 $className=$_POST['className'];

 $query=mysqli_query($conn,"select * from tblclass where className ='$className'");
 $ret=mysqli_fetch_array($query);

 if($ret > 0){
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>This Class Already
Exists!</div>";
 }
 else{
 $query=mysqli_query($conn,"insert into tblclass(className) value('$className')");

 if ($query) {
 $statusMsg = "<div class='alert alert-success' style='margin-right:700px;'>Created Successfully!</div>";
 }
 else
 {
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
 }
 }
}

//-----EDIT-----
```

```
//-----EDIT-----

if(isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "edit")
{
 $Id= $_GET['Id'];

 $query=mysqli_query($conn,"select * from tblclass where Id ='$Id'");
 $row=mysqli_fetch_array($query);

//-----UPDATE-----

if(isset($_POST['update'])){

 $className=$_POST['className'];

 $query=mysqli_query($conn,"update tblclass set className='$className' where Id='$Id'");

 if ($query) {

 echo "<script type = \"text/javascript\">
 window.location = ("createClass.php")
 </script>";
 }
 else
 {
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
 }
}
}

//-----DELETE-----

if(isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "delete")
{
 $Id= $_GET['Id'];

 $query = mysqli_query($conn,"DELETE FROM tblclass WHERE Id='$Id'");

 if ($query == TRUE) {

 echo "<script type = \"text/javascript\">

```

**Government College University Faisalabad**

```
 window.location = ("createClass.php\"");
 </script>";
 }
 else{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
 }

}

?>

<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<meta name="description" content="">
<meta name="author" content="">
<link href="img/logo/atnlg.jpg" rel="icon">
<?php include 'includes/title.php';?>
<link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
<link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
<link href="css/ams.css" rel="stylesheet">

</head>

<body id="page-top">
<div id="wrapper">
 <!-- Sidebar -->
 <?php include "Includes/sidebar.php";?>
 <!-- Sidebar -->
 <div id="content-wrapper" class="d-flex flex-column">
 <div id="content">
 <!-- TopBar -->
 <?php include "Includes/topbar.php";?>
 <!-- Topbar -->

 <!-- Container Fluid-->
 <div class="container-fluid" id="container-wrapper">
 <div class="d-sm-flex align-items-center justify-content-between mb-4">
 <h1 class="h3 mb-0 text-gray-800">Create Class</h1>
```



**Government College University Faisalabad**

```
<div class="row">
<div class="col-lg-12">
<div class="card mb-4">
 <div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
 <h6 class="m-0 font-weight-bold text-primary">All Classes</h6>
 </div>
 <div class="table-responsive p-3">
 <table class="table align-items-center table-flush table-hover" id="dataTableHover">
 <thead class="thead-light" >
 <tr>
 <th>#</th>
 <th>Class Name</th>
 <th>Edit</th>
 <th>Delete</th>
 </tr>
 </thead>

 <tbody>

<?php
$query = "SELECT * FROM tblclass";
$rs = $conn->query($query);
$num = $rs->num_rows;
$sn=0;
if($num > 0)
{
 while ($rows = $rs->fetch_assoc())
 {
 $sn = $sn + 1;
 echo"
<tr>
 <td>".$sn."</td>
 <td>".$rows['className']."'</td>
 <td><i class='fas fa-fw fa-edit'></i>Edit</td>
 <td><i class='fas fa-fw fa-trash'></i>Delete</td>
</tr>";
 }
}
else
{
 echo
"<div class='alert alert-danger' role='alert'>
```

**Government College University Faisalabad**

No Record Found!

```
</div>";
}

?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
<!--Row-->

<!-- Documentation Link -->
<!-- <div class="row">
<div class="col-lg-12 text-center">
<p>For more documentations you can visit
bootstrap forms documentations. and bootstrap input
groups documentations</p>
</div>
</div> -->

</div>
<!--Container Fluid-->
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

<i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
```

**Government College University Faisalabad**

```
<!-- Page level plugins -->
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<!-- Page level custom scripts -->
<script>
$(document).ready(function () {
 $('#dataTable').DataTable(); // ID From dataTable
 $('#dataTableHover').DataTable(); // ID From dataTable with Hover
});
</script>
</body>

</html>
```

**createStudents.php**

```
<?php
error_reporting(0);
include '../Includes/dbcon.php';
include '../Includes/session.php';

//-----SAVE-----

if(isset($_POST['save'])){

 $firstName=$_POST['firstName'];
 $lastName=$_POST['lastName'];
 $otherName=$_POST['otherName'];

 $admissionNumber=$_POST['admissionNumber'];

 $classId=$_POST['classId'];
 $classArmId=$_POST['classArmId'];
 $dateCreated = date("Y-m-d");

 $query=mysqli_query($conn,"select * from tblstudents where admissionNumber ='$admissionNumber'");
 $ret=mysqli_fetch_array($query);

 $sampPass = "pass123";
 $sampPass_2 = md5($sampPass);

 if($ret > 0){


```

```
$statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>This Email Address Already
Exists!</div>";
}
else{

$query=mysqli_query($conn,"insert into
tblstudents(firstName,lastName,otherName,admissionNumber,password,classId,classArmId,dateCreated)
value('$firstName','$lastName','$otherName','$admissionNumber','12345','$classId','$classArmId','$dateCreat
ed')");

if ($query) {

$statusMsg = "<div class='alert alert-success' style='margin-right:700px;'>Created Successfully!</div>";

}
else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}
}
}
}

//-----EDIT-----
```

```
//-----EDIT-----
```

```
if (isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "edit")
{
 $Id= $_GET['Id'];
```

```
$query=mysqli_query($conn,"select * from tblstudents where Id ='$Id'");
$row=mysqli_fetch_array($query);
```

```
//-----UPDATE-----
```

```
if(isset($_POST['update'])){
```

```
 $firstName=$_POST['firstName'];
 $lastName=$_POST['lastName'];
```

**Government College University Faisalabad**

```
$otherName=$_POST['otherName'];

$admissionNumber=$_POST['admissionNumber'];
$classId=$_POST['classId'];
$classArmId=$_POST['classArmId'];
$dateCreated = date("Y-m-d");

$query=mysqli_query($conn,"update tblstudents set firstName='$firstName', lastName='$lastName',
otherName='$otherName', admissionNumber='$admissionNumber',password='12345',
classId='$classId',classArmId='$classArmId'
where Id='$Id'");

if ($query) {

 echo "<script type = \"text/javascript\">
 window.location =(\"createStudents.php\")
 </script>";
}

else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}

}

//-----DELETE-----

if (isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "delete")
{
 $Id= $_GET['Id'];
 $classArmId= $_GET['classArmId'];

$query = mysqli_query($conn,"DELETE FROM tblstudents WHERE Id='$Id'");

if ($query == TRUE) {

 echo "<script type = \"text/javascript\">
 window.location =(\"createStudents.php\")
 </script>";
}

else{

 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}
```

}

?>

```
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<meta name="description" content="">
<meta name="author" content="">
<link href="img/logo/attnlg.jpg" rel="icon">
<?php include 'includes/title.php';?>
<link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
<link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
<link href="css/ams.css" rel="stylesheet">

<script>
function classArmDropdown(str) {
if (str == "") {
 document.getElementById("txtHint").innerHTML = "";
 return;
} else {
 if (window.XMLHttpRequest) {
 // code for IE7+, Firefox, Chrome, Opera, Safari
 xmlhttp = new XMLHttpRequest();
 } else {
 // code for IE6, IE5
 xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
 }
 xmlhttp.onreadystatechange = function() {
 if (this.readyState == 4 && this.status == 200) {
 document.getElementById("txtHint").innerHTML = this.responseText;
 }
 };
 xmlhttp.open("GET","ajaxClassArms2.php?cid="+str,true);
 xmlhttp.send();
}
}
</script>
</head>
```

```
<body id="page-top">
<div id="wrapper">
<!-- Sidebar -->
<?php include "Includes/sidebar.php";?>
<!-- Sidebar -->
<div id="content-wrapper" class="d-flex flex-column">
<div id="content">
<!-- TopBar -->
<?php include "Includes/topbar.php";?>
<!-- Topbar -->

<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
<div class="d-sm-flex align-items-center justify-content-between mb-4">
<h1 class="h3 mb-0 text-gray-800">Create Students</h1>
<ol class="breadcrumb">
<li class="breadcrumb-item">Home
<li class="breadcrumb-item active" aria-current="page">Create Students

</div>

<div class="row">
<div class="col-lg-12">
<!-- Form Basic -->
<div class="card mb-4">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">Create Students</h6>
<?php echo $statusMsg; ?>
</div>
<div class="card-body">
<form method="post">
<div class="form-group row mb-3">
<div class="col-xl-6">
<label class="form-control-label">Firstname*</label>
<input type="text" class="form-control" name="firstName" value="<?php echo
$row['firstName'];?>" id="exampleInputFirstName" >
</div>
<div class="col-xl-6">
<label class="form-control-label">Lastname*</label>
<input type="text" class="form-control" name="lastName" value="<?php echo
$row['lastName'];?>" id="exampleInputFirstName" >
</div>
</div>
</div>
```

**Government College University Faisalabad**

```
<div class="form-group row mb-3">
 <div class="col-xl-6">
 <label class="form-control-label">Father,s Name*</label>
 <input type="text" class="form-control" name="otherName" value="<?php echo $row['otherName'];?>?>" id="exampleInputFirstName" >
 </div>
 <div class="col-xl-6">
 <label class="form-control-label">Admission Number*</label>
 <input type="text" class="form-control" required name="admissionNumber" value="<?php echo $row['admissionNumber'];?>?>" id="exampleInputFirstName" >
 </div>
 </div>
 <div class="form-group row mb-3">
 <div class="col-xl-6">
 <label class="form-control-label">Select Class*</label>
 <?php
 $qry= "SELECT * FROM tblclass ORDER BY className ASC";
 $result = $conn->query($qry);
 $num = $result->num_rows;
 if ($num > 0){
 echo '<select required name="classId" onchange="classArmDropdown(this.value)" class="form-control mb-3">';
 echo'<option value="">--Select Class--</option>';
 while ($rows = $result->fetch_assoc()){
 echo'<option value="'.$rows['Id'].'">'.$rows['className'].'</option>';
 }
 echo '</select>';
 }
 ?>
 </div>
 <div class="col-xl-6">
 <label class="form-control-label">Semester*</label>
 <?php
 echo"<div id='txtHint'></div>";
 ?>
 </div>
 </div>
 <?php
 if (isset($Id))
 {
 ?>
```

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```

<button type="submit" name="update" class="btn btn-warning">Update</button>
<?php
} else {
?>
<button type="submit" name="save" class="btn btn-primary">Save</button>
<?php
}
?>
</form>
</div>
</div>

<!-- Input Group -->
<div class="row">
<div class="col-lg-12">
<div class="card mb-4">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">All Student</h6>
</div>
<div class="table-responsive p-3">
<table class="table align-items-center table-flush table-hover" id="dataTableHover">
<thead class="thead-light">
<tr>
<th>#</th>
<th>First Name</th>
<th>Last Name</th>
<th>Father,s Name</th>
<th>Admission No</th>
<th>Class</th>
<th>Semester</th>
<th>Date Created</th>
<th>Edit</th>
<th>Delete</th>
</tr>
</thead>

<tbody>

<?php
$query = "SELECT tblstudents.Id,tblclass.className,tblclassarms.classArmName,tblclassarms.Id
AS classArmId,tblstudents.firstName,
tblstudents.lastName,tblstudents.otherName,tblstudents.admissionNumber,tblstudents.dateCreated
FROM tblstudents

```

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```
INNER JOIN tblclass ON tblclass.Id = tblstudents.classId
INNER JOIN tblclassarms ON tblclassarms.Id = tblstudents.classArmId";
$rs = $conn->query($query);
$num = $rs->num_rows;
$sn=0;
$status="";
if($num > 0)
{
 while ($rows = $rs->fetch_assoc())
 {
 $sn = $sn + 1;
 echo"
<tr>
<td>".$sn."</td>
<td>".$rows['firstName']."'</td>
<td>".$rows['lastName']."'</td>
<td>".$rows['otherName']."'</td>
<td>".$rows['admissionNumber']."'</td>
<td>".$rows['className']."'</td>
<td>".$rows['classArmName']."'</td>
<td>".$rows['dateCreated']."'</td>
<td><i class='fas fa-fw fa-edit'></i></td>
<td><i class='fas fa-fw fa-trash'></i></td>
</tr>";
 }
}
else
{
 echo
"<div class='alert alert-danger' role='alert'>
No Record Found!
</div>";
}

?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
<!--Row-->
```

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```
<!-- Documentation Link -->
<!-- <div class="row">
<div class="col-lg-12 text-center">
 <p>For more documentations you can visit
 bootstrap forms documentations. and bootstrap input groups documentations</p>
</div>
</div> -->

</div>
<!--Container Fluid-->
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
<!-- Page level plugins -->
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<!-- Page level custom scripts -->
<script>
$(document).ready(function () {
 $('#dataTable').DataTable(); // ID From dataTable
 $('#dataTableHover').DataTable(); // ID From dataTable with Hover
});
</script>
</body>

</html>
```

**CreateClassTeacher.php**

```
<?php
error_reporting(0);
include '../Includes/dbcon.php';
include '../Includes/session.php';

//-----SAVE-----

if(isset($_POST['save'])){

 $firstName=$_POST['firstName'];
 $lastName=$_POST['lastName'];
 $emailAddress=$_POST['emailAddress'];

 $phoneNo=$_POST['phoneNo'];
 $classId=$_POST['classId'];
 $classArmId=$_POST['classArmId'];
 $dateCreated = date("Y-m-d");

 $query=mysqli_query($conn,"select * from tblclassteacher where emailAddress ='$emailAddress'");
 $ret=mysqli_fetch_array($query);

 $sampPass = "pass123";
 $sampPass_2 = md5($sampPass);

 if($ret > 0){

 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>This Email Address Already
Exists!</div>";
 }
 else{

 $query=mysqli_query($conn,"INSERT into
tblclassteacher(firstName,lastName,emailAddress,password,phoneNo,classId,classArmId,dateCreated)
value('$firstName','$lastName','$emailAddress','$sampPass_2','$phoneNo','$classId','$classArmId','$dateCreat
ed')");

 if ($query) {

 $qu=mysqli_query($conn,"update tblclassarms set isAssigned='1' where Id ='$classArmId'");

 }
}
```

```
if ($qu) {

 $statusMsg = "<div class='alert alert-success' style='margin-right:700px;'>Created
Successfully!</div>";
}
else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}
}
else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}
}
}
}

//-----EDIT-----
```

```
//-----EDIT-----
```

```
if (isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "edit")
{
 $Id= $_GET['Id'];

 $query=mysqli_query($conn,"select * from tblclassteacher where Id ='$Id'");
 $row=mysqli_fetch_array($query);
```

```
//-----UPDATE-----
```

```
if(isset($_POST['update'])){

 $firstName=$_POST['firstName'];
 $lastName=$_POST['lastName'];
 $emailAddress=$_POST['emailAddress'];

 $phoneNo=$_POST['phoneNo'];
 $classId=$_POST['classId'];
 $classArmId=$_POST['classArmId'];
 $dateCreated = date("Y-m-d");
```

```
$query=mysqli_query($conn,"update tblclassteacher set firstName='".$firstName', lastName='".$lastName',
emailAddress='".$emailAddress', password='".$password', phoneNo='".$phoneNo',
classId='".$classId', classArmId='".$classArmId'
where Id='".$Id"');

if ($query) {

 echo "<script type = \"text/javascript\">
 window.location = (\"createClassTeacher.php\")
 </script>";
}

else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}

}

//-----DELETE-----

if (isset($_GET['Id']) && isset($_GET['classArmId']) && isset($_GET['action']) && $_GET['action'] ==
"delete")
{
 $Id= $_GET['Id'];
 $classArmId= $_GET['classArmId'];

$query = mysqli_query($conn,"DELETE FROM tblclassteacher WHERE Id='".$Id"");

if ($query == TRUE) {

 $qu=mysqli_query($conn,"update tblclassarms set isAssigned='0' where Id ='$classArmId'");
 if ($qu) {

 echo "<script type = \"text/javascript\">
 window.location = (\"createClassTeacher.php\")
 </script>";
 }

 else
 {
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
 }

}
else{
```

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```
$statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
}

?>

<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<meta name="description" content="">
<meta name="author" content="">
<link href="img/logo/attnlg.jpg" rel="icon">
<?php include 'includes/title.php';?>
<link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
<link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
<link href="css/ams.css" rel="stylesheet">

<script>
function classArmDropdown(str) {
if (str == "") {
 document.getElementById("txtHint").innerHTML = "";
 return;
} else {
 if (window.XMLHttpRequest) {
 // code for IE7+, Firefox, Chrome, Opera, Safari
 xmlhttp = new XMLHttpRequest();
 } else {
 // code for IE6, IE5
 xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
 }
 xmlhttp.onreadystatechange = function() {
 if (this.readyState == 4 && this.status == 200) {
 document.getElementById("txtHint").innerHTML = this.responseText;
 }
 };
 xmlhttp.open("GET","ajaxClassArms.php?cid="+str,true);
 xmlhttp.send();
}
}
```

```
}

</script>
</head>

<body id="page-top">
<div id="wrapper">
<!-- Sidebar -->
<?php include "Includes/sidebar.php";?>
<!-- Sidebar -->
<div id="content-wrapper" class="d-flex flex-column">
<div id="content">
<!-- TopBar -->
<?php include "Includes/topbar.php";?>
<!-- Topbar -->

<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
<div class="d-sm-flex align-items-center justify-content-between mb-4">
<h1 class="h3 mb-0 text-gray-800">Create Class Teachers</h1>
<ol class="breadcrumb">
<li class="breadcrumb-item">Home
<li class="breadcrumb-item active" aria-current="page">Create Class Teachers

</div>

<div class="row">
<div class="col-lg-12">
<!-- Form Basic -->
<div class="card mb-4">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">Create Class Teachers</h6>
<?php echo $statusMsg; ?>
</div>
<div class="card-body">
<form method="post">
<div class="form-group row mb-3">
<div class="col-xl-6">
<label class="form-control-label">Firstname*</label>
<input type="text" class="form-control" required name="firstName" value="<?php echo
$row['firstName'];?>" id="exampleInputFirstName">
</div>
<div class="col-xl-6">
<label class="form-control-label">Lastname*</label>
```

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```
<input type="text" class="form-control" required name="lastName" value="<?php echo
$row['lastName'];?>" id="exampleInputFirstName" >
</div>
</div>
<div class="form-group row mb-3">
<div class="col-xl-6">
<label class="form-control-label">Email Address<span class="text-danger ml-
2">*</label>
<input type="email" class="form-control" required name="emailAddress" value="<?php echo
$row['emailAddress'];?>" id="exampleInputFirstName" >
</div>
<div class="col-xl-6">
<label class="form-control-label">Phone No*</label>
<input type="text" class="form-control" name="phoneNo" value="<?php echo
$row['phoneNo'];?>" id="exampleInputFirstName" >
</div>
</div>
<div class="form-group row mb-3">
<div class="col-xl-6">
<label class="form-control-label">Select Class<span class="text-danger ml-
2">*</label>
<?php
$qry= "SELECT * FROM tblclass ORDER BY className ASC";
$result = $conn->query($qry);
$num = $result->num_rows;
if ($num > 0){
echo '<select required name="classId" onchange="classArmDropdown(this.value)"'
class="form-control mb-3">';
echo'<option value="">--Select Class--</option>';
while ($rows = $result->fetch_assoc()){
echo'<option value="'.$rows['Id'].'">'.$rows['className'].'</option>';
}
echo '</select>';
}
?>
</div>
<div class="col-xl-6">
<label class="form-control-label">Class Section<span class="text-danger ml-
2">*</label>
<?php
echo"<div id='txtHint'></div>";
?>
</div>
</div>
```

```
<?php
if (isset($Id))
{
?>
<button type="submit" name="update" class="btn btn-warning">Update</button>

<?php
} else {
?>
<button type="submit" name="save" class="btn btn-primary">Save</button>
<?php
}
?>
</form>
</div>
</div>

<!-- Input Group -->
<div class="row">
<div class="col-lg-12">
<div class="card mb-4">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">All Class Teachers</h6>
</div>
<div class="table-responsive p-3">
<table class="table align-items-center table-flush table-hover" id="dataTableHover">
<thead class="thead-light">
<tr>
<th>#</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email Address</th>
<th>Phone No</th>
<th>Class</th>
<th>Class Section</th>
<th>Date Created</th>
<th>Delete</th>
</tr>
</thead>

<tbody>

<?php
```

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```
$query = "SELECT
tblclassteacher.Id,tblclass.className,tblclassarms.classArmName,tblclassarms.Id AS
classArmId,tblclassteacher.firstName,
tblclassteacher.lastName,tblclassteacher.emailAddress,tblclassteacher.phoneNo,tblclassteacher.dat
eCreated
FROM tblclassteacher
INNER JOIN tblclass ON tblclass.Id = tblclassteacher.classId
INNER JOIN tblclassarms ON tblclassarms.Id = tblclassteacher.classArmId";
$rs = $conn->query($query);
$num = $rs->num_rows;
$sn=0;
$status="";
if($num > 0)
{
 while ($rows = $rs->fetch_assoc())
 {
 $sn = $sn + 1;
 echo"
<tr>
<td>".$sn."</td>
<td>".$rows['firstName']."</td>
<td>".$rows['lastName']."</td>
<td>".$rows['emailAddress']."</td>
<td>".$rows['phoneNo']."</td>
<td>".$rows['className']."</td>
<td>".$rows['classArmName']."</td>
<td>".$rows['dateCreated']."'</td>
<td><i
class='fas fa-fw fa-trash'></i></td>
</tr>";
 }
}
else
{
 echo
"<div class='alert alert-danger' role='alert'>
No Record Found!
</div>";
}

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

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```
</div>
</div>
</div>
</div>
<!--Row-->

<!-- Documentation Link -->
<!-- <div class="row">
<div class="col-lg-12 text-center">
<p>For more documentations you can visit
bootstrap forms documentations. and bootstrap input groups documentations</p>
</div>
</div> -->

</div>
<!--Container Fluid-->
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

<i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
<!-- Page level plugins -->
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<!-- Page level custom scripts -->
<script>
$(document).ready(function () {
 $('#dataTable').DataTable(); // ID From dataTable
```

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```
$(#dataTableHover').DataTable(); // ID From dataTable with Hover
});
</script>
</body>

</html>
```

**takeAttendance.php**

```
<?php
error_reporting(0);
include '../Includes/dbcon.php';
include '../Includes/session.php';

$query = "SELECT tblclass.className,tblclassarms.classArmName
FROM tblclassteacher
INNER JOIN tblclass ON tblclass.Id = tblclassteacher.classId
INNER JOIN tblclassarms ON tblclassarms.Id = tblclassteacher.classArmId
Where tblclassteacher.Id = '".$_SESSION[userId]'";
$rs = $conn->query($query);
$num = $rs->num_rows;
$rrw = $rs->fetch_assoc();

//session and Term
$querey=mysqli_query($conn,"select * from tblsessionterm where isActive ='1'");
$rwws=mysqli_fetch_array($querey);
$sessionTermId = $rwws['Id'];

$dateTaken = date("Y-m-d");

$qrury=mysqli_query($conn,"select * from tblattendance where classId = '".$_SESSION[classId]' and
classArmId = '".$_SESSION[classArmId]' and dateTimeTaken='".$dateTaken"'");
$count = mysqli_num_rows($qrury);

if($count == 0){ //if Record does not exsit, insert the new record

 //insert the students record into the attendance table on page load
 $qus=mysqli_query($conn,"select * from tblstudents where classId = '".$_SESSION[classId]' and
classArmId = '".$_SESSION[classArmId]"');
 while ($ros = $qus->fetch_assoc())
 {
```

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```
$qquery=mysqli_query($conn,"insert into
tblattendance(admissionNo,classId,classArmId,sessionTermId,status,dateTimeTaken)
value('$ros[admissionNumber]','$_SESSION[classId]','$_SESSION[classArmId]','$sessionTermId','0',
$dateTaken')");

}

}

if(isset($_POST['save'])){

$admissionNo=$_POST['admissionNo'];

$check=$_POST['check'];
$N = count($admissionNo);
$status = "";

//check if the attendance has not been taken i.e if no record has a status of 1
$qurty=mysqli_query($conn,"select * from tblattendance where classId = '$_SESSION[classId]' and
classArmId = '$_SESSION[classArmId]' and dateTaken='dateTaken' and status = '1'");
$count = mysqli_num_rows($qurty);

if($count > 0){

$statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>Attendance has been taken for
today!</div>";

}

else //update the status to 1 for the checkboxes checked
{

for($i = 0; $i < $N; $i++)
{
$admissionNo[$i]; //admission Number

if(isset($check[$i])) //the checked checkboxes
{
$qquery=mysqli_query($conn,"update tblattendance set status='1' where admissionNo =
'$check[$i]'");
```

```
if ($qqquery) {

 $statusMsg = "<div class='alert alert-success' style='margin-right:700px;'>Attendance Taken
Successfully!</div>";
}
else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error
Occurred!</div>";
}

}
}
}
}
}
?

<!DOCTYPE html>
<html lang="en">

<head>
 <meta charset="utf-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">
 <link href="img/logo/atnlg.jpg" rel="icon">
 <title>Dashboard</title>
 <link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
 <link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
 <link href="css/ams.css" rel="stylesheet">

<script>
function classArmDropdown(str) {
if (str == "") {
 document.getElementById("txtHint").innerHTML = "";
 return;
} else {
 if (window.XMLHttpRequest) {
 var xmlhttp = new XMLHttpRequest();
 xmlhttp.onreadystatechange = function() {
 if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
 document.getElementById("txtHint").innerHTML = xmlhttp.responseText;
 }
 };
 xmlhttp.open("GET", "getdropdown.php?q=" + str, true);
 xmlhttp.send();
 } else {
 // Fallback for older browsers
 var xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
 xmlhttp.onreadystatechange = function() {
 if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
 document.getElementById("txtHint").innerHTML = xmlhttp.responseText;
 }
 };
 xmlhttp.open("GET", "getdropdown.php?q=" + str, true);
 xmlhttp.send();
 }
}
```

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```
// code for IE7+, Firefox, Chrome, Opera, Safari
xmlhttp = new XMLHttpRequest();
} else {
 // code for IE6, IE5
 xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
}
xmlhttp.onreadystatechange = function() {
 if (this.readyState == 4 && this.status == 200) {
 document.getElementById("txtHint").innerHTML = this.responseText;
 }
};
xmlhttp.open("GET","ajaxClassArms2.php?cid="+str,true);
xmlhttp.send();
}
</script>
</head>

<body id="page-top">
<div id="wrapper">
<!-- Sidebar -->
<?php include "Includes/sidebar.php";?>
<!-- Sidebar -->
<div id="content-wrapper" class="d-flex flex-column">
<div id="content">
<!-- TopBar -->
<?php include "Includes/topbar.php";?>
<!-- Topbar -->

<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
<div class="d-sm-flex align-items-center justify-content-between mb-4">
<h1 class="h3 mb-0 text-gray-800">Take Attendance (Today's Date : <?php echo $todaysDate =
date("m-d-Y");?>)</h1>
<ol class="breadcrumb">
<li class="breadcrumb-item">Home
<li class="breadcrumb-item active" aria-current="page">All Student in Class

</div>

<div class="row">
<div class="col-lg-12">
<!-- Form Basic -->
```

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```
<!-- Input Group -->
<form method="post">
<div class="row">
<div class="col-lg-12">
<div class="card mb-4">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">All Student in (<?php echo $rrw['className']. ' -
'. $rrw['classArmName'];?>) Class</h6>
<h6 class="m-0 font-weight-bold text-danger">Note: <i>Click on the checkboxes besides each
student to take attendance!</i></h6>
</div>
<div class="table-responsive p-3">
<?php echo $statusMsg; ?>
<table class="table align-items-center table-flush table-hover">
<thead class="thead-light">
<tr>
<th>#</th>
<th>First Name</th>
<th>Last Name</th>
<th>Other Name</th>
<th>Admission No</th>
<th>Class</th>
<th>Class Section</th>
<th>Check</th>
</tr>
</thead>

<tbody>

<?php
$query = "SELECT tblstudents.Id,tblstudents.admissionNumber,tblclass.className,tblclass.Id As
classId,tblclassarms.classArmName,tblclassarms.Id AS classArmId,tblstudents.firstName,
tblstudents.lastName,tblstudents.otherName,tblstudents.admissionNumber,tblstudents.dateCreated
FROM tblstudents
INNER JOIN tblclass ON tblclass.Id = tblstudents.classId
INNER JOIN tblclassarms ON tblclassarms.Id = tblstudents.classArmId
where tblstudents.classId = '$_SESSION[classId]' and tblstudents.classArmId =
'$_SESSION[classArmId]'";
$rs = $conn->query($query);
$num = $rs->num_rows;
$sn=0;
$status="";
if($num > 0)
{
```

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```
while ($rows = $rs->fetch_assoc())
{
 $sn = $sn + 1;
 echo"
 <tr>
 <td>".$sn."</td>
 <td>".$rows['firstName']."</td>
 <td>".$rows['lastName']."</td>
 <td>".$rows['otherName']."</td>
 <td>".$rows['admissionNumber']."</td>
 <td>".$rows['className']."</td>
 <td>".$rows['classArmName']."</td>
 <td><input name='check[]' type='checkbox' value='".$rows['admissionNumber']."' class='form-control'></td>
 </tr>";
 echo "<input name='admissionNo[]' value='".$rows['admissionNumber']."' type='hidden' class='form-control'>";
}
else
{
 echo
 "<div class='alert alert-danger' role='alert'>
 No Record Found!
 </div>";
}

?>
</tbody>
</table>

<button type='submit' name='save' class='btn btn-primary'>Take Attendance</button>
</form>
</div>
</div>
</div>
</div>
</div>
<!--Row-->

<!-- Documentation Link -->
<!-- <div class="row">
<div class="col-lg-12 text-center">
```

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<p>For more documentations you can visit<a href="https://getbootstrap.com/docs/4.3/components/forms/" target="\_blank">  
bootstrap forms documentations.</a> and <a href="https://getbootstrap.com/docs/4.3/components/input-group/" target="\_blank">bootstrap input groups documentations</a></p>

</div>

</div> -->

</div>

<!--Container Fluid-->

</div>

<!-- Footer -->

<?php include "Includes/footer.php";?>

<!-- Footer -->

</div>

</div>

<!-- Scroll to top -->

<a class="scroll-to-top rounded" href="#page-top">

<i class="fas fa-angle-up"></i>

</a>

<script src="../Librarys/jquery/jquery.min.js"></script>

<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>

<script src="js/ruang-admin.min.js"></script>

<!-- Page level plugins -->

<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>

<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<!-- Page level custom scripts -->

<script>

\$(document).ready(function () {

\$('#dataTable').DataTable(); // ID From dataTable

\$('#dataTableHover').DataTable(); // ID From dataTable with Hover

});

</script>

</body>

</html>

### **viewStudentAttendance.php**

```
<?php
include '../Includes/dbcon.php';
include '../Includes/session.php';

// Verify teacher is assigned to a class
if(!isset($_SESSION['classId']) || !isset($_SESSION['classArmId'])) {
 header("Location: index.php?error=not_assigned");
 exit();
}

$classId = $_SESSION['classId'];
$classArmId = $_SESSION['classArmId'];
$statusMsg = "";
?>

<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>View Student Attendance</title>
<link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet">
<link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="css/ams.css" rel="stylesheet">
<style>
.present { background-color: #d4edda; }
.absent { background-color: #f8d7da; }
.filter-section { background-color: #f8f9fa; padding: 20px; border-radius: 5px; margin-bottom: 20px; }
.student-select { width: 100%; }
</style>
</head>

<body id="page-top">
<div id="wrapper">
 <!-- Sidebar -->
 <?php include "Includes/sidebar.php";?>
 <!-- Sidebar -->
 <div id="content-wrapper" class="d-flex flex-column">
 <div id="content">
```

```
<!-- TopBar -->
<?php include "Includes/topbar.php";?>
<!-- Topbar -->

<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
 <div class="d-sm-flex align-items-center justify-content-between mb-4">
 <h1 class="h3 mb-0 text-gray-800">View Student Attendance</h1>
 <ol class="breadcrumb">
 <li class="breadcrumb-item">Home
 <li class="breadcrumb-item active">Student Attendance

 </div>

 <div class="row">
 <div class="col-lg-12">
 <!-- Student Selection Form -->
 <div class="card mb-4 filter-section">
 <div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
 <h6 class="m-0 font-weight-bold text-primary">View Student Attendance</h6>
 </div>
 <div class="card-body">
 <form method="post">
 <div class="form-row">
 <div class="form-group col-md-6">
 <label class="form-control-label">Select Student *</label>
 <select class="form-control student-select" name="studentId" required>
 <option value="">-- Select Student --</option>
 <?php
 $query = "SELECT Id, firstName, lastName, admissionNumber
 FROM tblstudents
 WHERE classId = '$classId' AND classArmId = '$classArmId'
 ORDER BY lastName, firstName";
 $rs = $conn->query($query);
 while($row = $rs->fetch_assoc()) {
 $selected = (isset($_POST['studentId']) && $_POST['studentId'] == $row['Id']) ? 'selected' : '';
 echo "<option value='{$row['Id']}' $selected>{$row['lastName']}, {$row['firstName']}
({$row['admissionNumber']})</option>";
 }
 ?>
 </select>
 </div>
 <div class="form-group col-md-3">
```

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```
<label>From Date</label>
<input type="date" class="form-control" name="fromDate" value="<?= date('Y-m-01') ?>">
</div>
<div class="form-group col-md-3">
<label>To Date</label>
<input type="date" class="form-control" name="toDate" value="<?= date('Y-m-d') ?>">
</div>
</div>
<button type="submit" name="view" class="btn btn-primary">View Attendance</button>
</form>
</div>
</div>

<!-- Attendance Summary -->
<?php
if(isset($_POST['view'])) {
$studentId = $_POST['studentId'];
$fromDate = $_POST['fromDate'] ?? date('Y-m-01');
$toDate = $_POST['toDate'] ?? date('Y-m-d');

// Get student info
$query = "SELECT firstName, lastName, admissionNumber
 FROM tblstudents
 WHERE Id = '$studentId'";
$rs = $conn->query($query);
$studentInfo = $rs->fetch_assoc();

// Get attendance summary
$query = "SELECT
 SUM(CASE WHEN status = '1' THEN 1 ELSE 0 END) as present,
 SUM(CASE WHEN status = '0' THEN 1 ELSE 0 END) as absent,
 COUNT(*) as total
 FROM tblattendance
 WHERE admissionNo = '{$studentInfo['admissionNumber']}'
 AND dateTimeTaken BETWEEN '$fromDate' AND '$toDate'";
$rs = $conn->query($query);
$summary = $rs->fetch_assoc();

$attendanceRate = ($summary['total'] > 0) ? round(($summary['present']/$summary['total'])*100) : 0;
?>

<div class="card mb-4">
<div class="card-header py-3">
<h6 class="m-0 font-weight-bold text-primary">
```

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```
Attendance Summary for <?= $studentInfo['firstName'] ?> <?= $studentInfo['lastName'] ?>
(<?= $studentInfo['admissionNumber'] ?>
</h6>
</div>
<div class="card-body">
<div class="row">
<div class="col-md-4">
<div class="card bg-success text-white mb-4">
<div class="card-body text-center">
<h5>Present</h5>
<h2><?= $summary['present'] ?></h2>
</div>
</div>
</div>
<div class="col-md-4">
<div class="card bg-danger text-white mb-4">
<div class="card-body text-center">
<h5>Absent</h5>
<h2><?= $summary['absent'] ?></h2>
</div>
</div>
</div>
<div class="col-md-4">
<div class="card bg-info text-white mb-4">
<div class="card-body text-center">
<h5>Attendance Rate</h5>
<h2><?= $attendanceRate ?>%</h2>
<div class="progress mt-2">
<div class="progress-bar bg-white" style="width: <?= $attendanceRate ?>%"></div>
</div>
</div>
</div>
</div>
</div>
</div>

<!-- Attendance Details -->
<div class="card mb-4">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">Attendance Details</h6>
<div>
Showing records from <?= date('d M Y', strtotime($fromDate)) ?> to <?= date('d M Y', strtotime($toDate)) ?>
```

```
</div>
</div>
<div class="table-responsive p-3">
<table class="table align-items-center table-flush table-hover" id="dataTableHover">
 <thead class="thead-light">
 <tr>
 <th>#</th>
 <th>Date</th>
 <th>Day</th>
 <th>Status</th>
 <th>Class</th>
 <th>Section</th>
 </tr>
 </thead>
 <tbody>
 <?php
 $query = "SELECT a.status, a.dateTaken,
 c.className, ca.classArmName
 FROM tblettendance a
 JOIN tblclass c ON c.Id = a.classId
 JOIN tblclassarms ca ON ca.Id = a.classArmId
 WHERE a.admissionNo = '{$studentInfo['admissionNumber']}'"
 AND a.dateTaken BETWEEN '$fromDate' AND '$toDate'
 ORDER BY a.dateTaken DESC";
 $rs = $conn->query($query);
 $num = $rs->num_rows;
 $sn = 0;

 if($num > 0) {
 while($row = $rs->fetch_assoc()) {
 $status = ($row['status'] == '1') ? "Present" : "Absent";
 $statusClass = ($row['status'] == '1') ? "present" : "absent";
 $date = date('d M Y', strtotime($row['dateTaken']));
 $day = date('l', strtotime($row['dateTaken']));
 $sn++;

 echo "<tr>
 <td>$sn</td>
 <td>$date</td>
 <td>$day</td>
 <td class='statusClass'>$status</td>
 <td>{$row['className']}</td>
 <td>{$row['classArmName']}</td>
 </tr>";
 }
 }

```

```
 }
 } else {
 echo "<tr><td colspan='6' class='text-center'>No attendance records found</td></tr>";
 }
?>
</tbody>
</table>
</div>
</div>
<?php } ?>
</div>
</div>
</div>
<!--Container Fluid-->
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<script>
$(document).ready(function () {
 $('#dataTableHover').DataTable({
 "order": [[1, "desc"]], // Sort by date descending
 "pageLength": 10
 });
});
</script>
</body>
</html>
```

**viewProfile.php (student)**

```
<?php
include '../Includes/dbcon.php';
include '../Includes/session.php';

// Redirect if not student
if($_SESSION['role'] != 'student') {
 header("location: ../login.php");
 exit();
}

// Get student class info
$query = "SELECT tblclass.className, tblclassarms.classArmName
 FROM tblstudents
 INNER JOIN tblclass ON tblclass.Id = tblstudents.classId
 INNER JOIN tblclassarms ON tblclassarms.Id = tblstudents.classArmId
 WHERE tblstudents.Id = '$_SESSION[userId]'"';

$rs = $conn->query($query);
$num = $rs->num_rows;
$rrw = $rs->fetch_assoc();
?>

<!DOCTYPE html>
<html lang="en">

<head>
 <meta charset="utf-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">
 <link href="../img/logo/logos.png" rel="icon">
 <title>Student Profile</title>
 <link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
 <link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
 <link href="css/ams.css" rel="stylesheet">
 <style>
 body {
 overflow-x: hidden;
 font-size: 0.9rem;
 }
 </style>
```

```
#wrapper {
 display: flex;
 min-height: 100vh;
}

#content-wrapper {
 width: 100%;
}

a{
 text-decoration:none !important;
}
.text-xs{
 font-size:12px;
 color:#757575;
 text-decoration: none !important;
}
.sidebar {
 left: 0 !important;
}

.dashboard-card {
 transition: transform 0.3s ease;
 border-left: 4px solid;
 border-radius: 5px;
}
.dashboard-card:hover {
 transform: translateY(-5px);
}
.card-icon {
 font-size: 2rem;
}
.progress {
 height: 20px;
}
.student-info-card {
 background: linear-gradient(135deg, #f5f7fa 0%, #c3cfe2 100%);
}
@media (max-width: 768px) {
.sidebar {
 left: -250px;
}
.sidebar.active {
```

```
 left: 0;
}
.topbar {
 left: 0;
}
#content-wrapper {
 margin-left: 0;
 width: 100%;
}
}
:root {
 --primary-color: #4e73df;
 --secondary-color: #f8f9fc;
 --accent-color: #2e59d9;
 --text-color: #5a5c69;
}

body {
 background-color: #f8f9fc;
 color: var(--text-color);
 font-family: 'Nunito', sans-serif;
}

.profile-card {
 border-radius: 15px;
 box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
 overflow: hidden;
 transition: transform 0.3s ease;
 border: none;
}

.profile-card:hover {
 transform: translateY(-5px);
}

/* Compact header */
.profile-header {
 background: linear-gradient(135deg, var(--primary-color) 0%, var(--accent-color) 100%);
 padding: 20px 0;
 text-align: center;
 color: white;
}

.profile-avatar {
```

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```
width: 80px;
height: 80px;
border-radius: 50%;
border: 3px solid white;
object-fit: cover;
margin-bottom: 10px;
box-shadow: 0 4px 10px rgba(0, 0, 0, 0.2);
}
```

```
.profile-body {
padding: 20px;
background-color: white;
}
```

```
.profile-info-item {
padding: 12px 0;
border-bottom: 1px solid rgba(0, 0, 0, 0.05);
}
```

```
.profile-info-item:last-child {
border-bottom: none;
}
```

```
.info-label {
font-weight: 600;
color: var(--primary-color);
margin-bottom: 3px;
font-size: 0.9rem;
}
```

```
.info-value {
font-size: 1rem;
}
```

```
.badge-class {
background-color: var(--primary-color);
color: white;
padding: 3px 10px;
border-radius: 20px;
font-size: 0.8rem;
display: inline-block;
margin-top: 5px;
}
```

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```
/* Compact profile title */
.profile-header h3 {
 font-size: 1.3rem;
 margin-bottom: 5px;
}

@media (max-width: 768px) {
 .profile-body {
 padding: 15px;
 }
}

.profile-avatar {
 width: 70px;
 height: 70px;
}

.back-btn {
 background-color: var(--secondary-color);
 color: var(--primary-color);
 border: none;
 padding: 6px 15px;
 border-radius: 5px;
 transition: all 0.3s;
 font-size: 0.9rem;
}

.back-btn:hover {
 background-color: var(--primary-color);
 color: white;
}

</style>
</head>

<body id="page-top">
<div id="wrapper">
 <!-- Student Sidebar -->
 <?php include "Includes/sidebar.php";?>
 <div id="content-wrapper" class="d-flex flex-column">
 <div id="content">
 <!-- TopBar -->
 <?php include "Includes/topbar.php";?>
```

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```
<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
<div class="d-sm-flex align-items-center justify-content-between mb-4">
 <h1 class="h3 text-gray-800">Student Profile</h1>

 <i class="fas fa-arrow-left mr-2"></i>Back to Dashboard

</div>

<!-- Profile Card -->
<div class="row justify-content-center">
 <div class="col-lg-8">
 <div class="card profile-card mb-4">
 <!-- Compact Header Section -->
 <div class="profile-header">

 <h3><?php echo $_SESSION['firstName'].'.'.$_SESSION['lastName'];?></h3>
 <?php echo $rrw['className'].'.'.$rrw['classArmName'];?>
 </div>

 <!-- Detailed Info Section -->
 <div class="profile-body">
 <div class="profile-info-item">
 <div class="info-label">Admission Number</div>
 <div class="info-value"><?php echo $_SESSION['admissionNumber'];?></div>
 </div>

 <div class="profile-info-item">
 <div class="info-label">Full Name</div>
 <div class="info-value"><?php echo $_SESSION['firstName'].'.'.$_SESSION['lastName'];?></div>
 </div>

 <div class="profile-info-item">
 <div class="info-label">Class & Section</div>
 <div class="info-value"><?php echo $rrw['className'].' - '.$rrw['classArmName'];?></div>
 </div>

 <div class="profile-info-item">
 <div class="info-label">Account Type</div>
 <div class="info-value">Student</div>
 </div>
 </div>
 </div>
 </div>
</div>
```

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```
</div>
</div>
</div>
</div>
<!--Container Fluid-->
</div>
<!-- Footer -->

</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>

<script>
$(document).ready(function() {
 // Toggle sidebar
 $('#sidebarToggleTop').click(function(e) {
 e.stopPropagation();
 $('.sidebar').toggleClass('active');
 adjustLayout();
 });

 // Close sidebar when clicking outside on mobile
 $(document).click(function() {
 if($(window).width() <= 768) {
 if($('.sidebar').hasClass('active')) {
 $('.sidebar').removeClass('active');
 adjustLayout();
 }
 }
 });
});

function adjustLayout() {
 if($('.sidebar').hasClass('active')) {
 $('.topbar').css('left', '250px');
 $('#content-wrapper').css('margin-left', '250px');
 }
}
```

```
 } else {
 $('.topbar').css('left', '0');
 $('#content-wrapper').css('margin-left', '0');
 }
});
</script>
</body>
</html>
```

### **Logout.php**

```
<?php
session_start();
session_destroy(); // destroy session
echo "<script type = \"text/javascript\">
window.location = ('..../index.php');
</script>";

?>
```

### **Viewattendance.php**

```
<body id="page-top">
<div id="wrapper">
 <!-- Sidebar -->
 <?php include "Includes/sidebar.php";?>
 <!-- Sidebar -->
 <div id="content-wrapper" class="d-flex flex-column">
 <div id="content">
 <!-- TopBar -->
 <?php include "Includes/topbar.php";?>
 <!-- Topbar -->

 <!-- Container Fluid-->
 <div class="container-fluid" id="container-wrapper">
 <div class="d-sm-flex align-items-center justify-content-between mb-4">
 <h1 class="h3 mb-0 text-gray-800">Class Attendance</h1>
 <ol class="breadcrumb">
 <li class="breadcrumb-item">Home
 <li class="breadcrumb-item active">Attendance

```

</div>

```
<!-- Summary Cards -->
<div class="row mb-4">
 <div class="col-xl-4 col-md-6 mb-4">
 <div class="card summary-card h-100 py-2">
 <div class="card-body">
 <div class="row no-gutters align-items-center">
 <div class="col mr-2">
 <div class="text-xs font-weight-bold text-primary text-uppercase mb-1">
 Total Students</div>
 <?php
 $query = "SELECT COUNT(*) as total FROM tblstudents
 WHERE classId = '$classId' AND classArmId = '$classArmId'";
 $rs = $conn->query($query);
 $row = $rs->fetch_assoc();
 ?>
 <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $row['total']; ?></div>
 </div>
 <div class="col-auto">
 <i class="fas fa-users fa-2x text-gray-300"></i>
 </div>
 </div>
 </div>
 </div>
 </div>
 </div>
</div>

<div class="col-xl-4 col-md-6 mb-4">
 <div class="card summary-card h-100 py-2">
 <div class="card-body">
 <div class="row no-gutters align-items-center">
 <div class="col mr-2">
 <div class="text-xs font-weight-bold text-success text-uppercase mb-1">
 Present Today</div>
 <?php
 $today = date('Y-m-d');
 $query = "SELECT COUNT(*) as present FROM tbattendance
 WHERE classId = '$classId' AND classArmId = '$classArmId'
 AND dateTimeTaken = '$today' AND status = '1'";
 $rs = $conn->query($query);
 $row = $rs->fetch_assoc();
 ?>
 <div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $row['present']; ?></div>
 </div>
 <div class="col-auto">
```

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```
<i class="fas fa-check-circle fa-2x text-gray-300"></i>
</div>
</div>
</div>
</div>

<div class="col-xl-4 col-md-6 mb-4">
<div class="card summary-card h-100 py-2">
<div class="card-body">
<div class="row no-gutters align-items-center">
<div class="col mr-2">
<div class="text-xs font-weight-bold text-danger text-uppercase mb-1">
Absent Today</div>
<?php
$query = "SELECT COUNT(*) as absent FROM tblattendance
WHERE classId = '$classId' AND classArmId = '$classArmId'
AND dateTimeTaken = '$today' AND status = '0'";
$rs = $conn->query($query);
$row = $rs->fetch_assoc();
?>
<div class="h5 mb-0 font-weight-bold text-gray-800"><?php echo $row['absent']; ?></div>
</div>
<div class="col-auto">
<i class="fas fa-times-circle fa-2x text-gray-300"></i>
</div>
</div>
</div>
</div>
</div>

<div class="row">
<div class="col-lg-12">
<!-- Filter Section -->
<div class="card mb-4 filter-section">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">Filter Attendance</h6>
</div>
<div class="card-body">
<form method="post">
<div class="form-row">
<div class="form-group col-md-4">
<label>Select Date</label>
<input type="date" class="form-control" name="dateTaken">
</div></pre>
```

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```
<div class="form-group col-md-4">
 <label>Status</label>
 <select class="form-control" name="status">
 <option value="">All</option>
 <option value="1">Present</option>
 <option value="0">Absent</option>
 </select>
</div>
<div class="form-group col-md-4 align-self-end">
 <button type="submit" name="filter" class="btn btn-primary">Filter</button>
 <button type="submit" name="reset" class="btn btn-secondary">Reset</button>
</div>
</div>
</form>
</div>
</div>

<!-- Attendance Table -->
<div class="card mb-4">
 <div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">Attendance Records</h6>
 </div>
 <div class="table-responsive p-3">
 <table class="table align-items-center table-flush table-hover" id="dataTableHover"> <thead
 class="thead-light">
 <tr>
 <th>#</th>
 <th>Student Name</th>
 <th>Admission No</th>
 <th>Status</th>
 <th>Date</th>
 <th>Time</th>
 </tr>
 </thead>
 <tbody>
 <?php
 // Base query for class teacher's assigned class
 $query = "SELECT tblattendance.Id, tblattendance.status, tblattendance.dateTimeTaken,
tblstudents.firstName, tblstudents.lastName, tblstudents.admissionNumber
 FROM
tblattendance
 INNER JOIN tblstudents ON tblstudents.admissionNumber = tblattendance.admissionNo
WHERE tblattendance.classId = '$classId'
 AND tblattendance.classArmId = '$classArmId';"

 // Add filters if submitted
if(isset($_POST['filter'])) {

```

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```
if(!empty($_POST['dateTaken'])) {
 $dateTaken = $_POST['dateTaken'];
 $query .= " AND tblattendance.dateTaken = '$dateTaken'";
}

if(isset($_POST['status']) && $_POST['status'] !== '') {
 $status = $_POST['status'];
 $query .= " AND tblattendance.status = '$status'";
}

$query .= " ORDER BY tblattendance.dateTaken DESC";

$rs = $conn->query($query);
$num = $rs->num_rows;
$sn = 0;

if($num > 0) {
 while ($rows = $rs->fetch_assoc()) {
 $status = ($rows['status'] == '1') ? "Present" : "Absent";
 $statusClass = ($rows['status'] == '1') ? "present" : "absent";
 $dateTime = new DateTime($rows['dateTimeTaken']);
 $date = $dateTime->format('Y-m-d');
 $time = $dateTime->format('h:i A');
 $sn++;

 echo "<tr>
 <td>$sn</td>
 <td>{$rows['firstName']} {$rows['lastName']}</td>
 <td>{$rows['admissionNumber']}</td>
 <td class='{$statusClass}'>$status</td>
 <td>$date</td>
 <td>$time</td>
 </tr>";
 }
} else {
 echo "<tr><td colspan='6' class='text-center'>No attendance records found</td></tr>";
}
?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
```

### **Government College University Faisalabad**

```
<!--Container Fluid-->
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<script>
$(document).ready(function () {
 $('#dataTableHover').DataTable({
 "order": [[4, "desc"]], // Default sort by date column
 "pageLength": 25
 });
});
</script>
</body>
</html>
```

### **createclassSemester.php**

```
<?php
error_reporting(0);
include '../Includes/dbcon.php';
include '../Includes/session.php';

//-----SAVE-----
if(isset($_POST['save'])){
 $sessionName=$_POST['sessionName'];
}
```

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```
$termId=$_POST['termId'];
$dateCreated = date("Y-m-d");

$query=mysqli_query($conn,"select * from tblsessionterm where sessionName ='$sessionName' and termId ='$termId'");
$ret=mysqli_fetch_array($query);

if($ret > 0){

 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>This Session and Term Already Exists!</div>";
}
else{

 $query=mysqli_query($conn,"insert into tblsessionterm(sessionName,termId,isActive,dateCreated) value('$sessionName','$termId','0','$dateCreated')");

 if ($query) {

 $statusMsg = "<div class='alert alert-success' style='margin-right:700px;'>Created Successfully!</div>";
 }
 else
 {
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
 }
}

//-----EDIT-----

//-----EDIT-----

if (isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "edit")
{
 $Id= $_GET['Id'];

 $query=mysqli_query($conn,"select * from tblsessionterm where Id ='$Id'");
 $row=mysqli_fetch_array($query);

 //-----UPDATE-----
```

```
if(isset($_POST['update'])){

 $sessionName=$_POST['sessionName'];
 $termId=$_POST['termId'];
 $dateCreated = date("Y-m-d");

 $query=mysqli_query($conn,"update tblsessionterm set
sessionName='".$sessionName',termId='".$termId',isActive='0' where Id='".$Id"');

 if ($query) {

 echo "<script type = \"text/javascript\">
window.location = ('createSessionTerm.php')
</script>";
 }
 else
 {
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error
Occurred!</div>";
 }
}

//-----DELETE-----
if (isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "delete")
{
 $Id= $_GET['Id'];

 $query = mysqli_query($conn,"DELETE FROM tblsessionterm WHERE Id='".$Id"");

 if ($query == TRUE) {

 echo "<script type = \"text/javascript\">
window.location = ('createSessionTerm.php')
</script>";
 }
 else{

 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error Occurred!</div>";
 }
}

//-----ACTIVATE-----
```

```
if (isset($_GET['Id']) && isset($_GET['action']) && $_GET['action'] == "activate")
{
 $Id= $_GET['Id'];

$query=mysqli_query($conn,"update tblsessionterm set isActive='0' where isActive='1'");

if ($query) {

 $que=mysqli_query($conn,"update tblsessionterm set isActive='1' where Id='$Id'");

 if ($que) {

 echo "<script type =\"text/javascript\">
 window.location =(\"createSessionTerm.php\")
 </script>";
 }
 else
 {
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error
Occurred!</div>";
 }
}
else
{
 $statusMsg = "<div class='alert alert-danger' style='margin-right:700px;'>An error
Occurred!</div>";
}

?>

<!DOCTYPE html>
<html lang="en">

<head>
 <meta charset="utf-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">
 <link href="img/logo/attnlg.jpg" rel="icon">
<?php include 'includes/title.php';?>
 <link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
```

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```
<link href=..../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet" type="text/css">
<link href="css/ams.css" rel="stylesheet">
</head>

<body id="page-top">
<div id="wrapper">
 <!-- Sidebar -->
 <?php include "Includes/sidebar.php";?>
 <!-- Sidebar -->
 <div id="content-wrapper" class="d-flex flex-column">
 <div id="content">
 <!-- TopBar -->
 <?php include "Includes/topbar.php";?>
 <!-- Topbar -->

 <!-- Container Fluid-->
 <div class="container-fluid" id="container-wrapper">
 <div class="d-sm-flex align-items-center justify-content-between mb-4">
 <h1 class="h3 mb-0 text-gray-800">Create Session and Term</h1>
 <ol class="breadcrumb">
 <li class="breadcrumb-item">Home
 <li class="breadcrumb-item active" aria-current="page">Create Session and Term

 </div>

 <div class="row">
 <div class="col-lg-12">
 <!-- Form Basic -->
 <div class="card mb-4">
 <div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
 <h6 class="m-0 font-weight-bold text-primary">Create Session and Term</h6>
 <?php echo $statusMsg; ?>
 </div>
 <div class="card-body">
 <form method="post">
 <div class="form-group row mb-3">
 <div class="col-xl-6">
 <label class="form-control-label">Session Name*</label>
 <input type="text" class="form-control" name="sessionName" value="<?php echo $row['sessionName'];?>" id="exampleInputFirstName" placeholder="Session">
 </div>
 <div class="col-xl-6">
 <label class="form-control-label">Term*</label>
 <?php
```

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```
<th>Session</th>
<th>Term</th>
<th>Status</th>
<th>Date</th>
<th>Activate</th>
<th>Edit</th>
<th>Delete</th>
</tr>
</thead>

<tbody>

<?php
$query = "SELECT
tblsessionterm.Id,tblsessionterm.sessionName,tblsessionterm.isActive,tblsessionterm.dateCreated,
tblterm.termName
FROM tblsessionterm
INNER JOIN tblterm ON tblterm.Id = tblsessionterm.termId";
$rs = $conn->query($query);
$num = $rs->num_rows;
$sn=0;
if($num > 0)
{
while ($rows = $rs->fetch_assoc())
{
if($rows['isActive'] == '1'){$status = "Active";}else{$status = "InActive";}
$sn = $sn + 1;
echo"
<tr>
<td>".$sn."</td>
<td>".$rows['sessionName']."'</td>
<td>".$rows['termName']."'</td>
<td>".$status."</td>
<td>".$rows['dateCreated']."'</td>
<td><i class='fas fa-fw fa-check'></i></td>
<td><i class='fas fa-fw fa-edit'></i></td>
<td><i class='fas fa-fw fa-trash'></i></td>
</tr>";
}
}
else
{
echo
```

**Government College University Faisalabad**

```
"<div class='alert alert-danger' role='alert'>
 No Record Found!
</div>";
}

?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
<!--Row-->

<!-- Documentation Link -->
<!-- <div class="row">
<div class="col-lg-12 text-center">
 <p>For more documentations you can visit
 bootstrap forms documentations. and bootstrap input
 groups documentations</p>
 </div>
</div> -->

</div>
<!--Container Fluid-->
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
```

**Government College University Faisalabad**

```

<script src="js/ruang-admin.min.js"></script>
<!-- Page level plugins -->
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<!-- Page level custom scripts -->
<script>
$(document).ready(function () {
 $('#dataTable').DataTable(); // ID From dataTable
 $('#dataTableHover').DataTable(); // ID From dataTable with Hover
});
</script>
</body>

</html>
```

### **Viewstudentattendance.php**

```

<?php
include '../Includes/dbcon.php';
include '../Includes/session.php';

// Verify teacher is assigned to a class
if(!isset($_SESSION['classId']) || !isset($_SESSION['classArmId'])) {
header("Location: index.php?error=not_assigned"); exit();
}

$classId = $_SESSION['classId'];
$classArmId = $_SESSION['classArmId'];
$statusMsg = "";
?>

<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>View Student Attendance</title>
<link href="../Librarys/fontawesome-free/css/all.min.css" rel="stylesheet">
<link href="../Librarys/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="css/ruang-admin.min.css" rel="stylesheet">
<style>
.present { background-color: #d4edda; }
.absent { background-color: #f8d7da; }
```

## **Government College University Faisalabad**

```
.filter-section { background-color: #f8f9fa; padding: 20px; border-radius: 5px; margin-bottom: 20px; } .student-select { width: 100%; }

</style>
</head>

<body id="page-top">
<div id="wrapper">
<!-- Sidebar -->
<?php include "Includes/sidebar.php";?>
<!-- Sidebar -->
<div id="content-wrapper" class="d-flex flex-column">
<div id="content">
<!-- TopBar -->
<?php include "Includes/topbar.php";?>
<!-- Topbar -->

<!-- Container Fluid-->
<div class="container-fluid" id="container-wrapper">
<div class="d-sm-flex align-items-center justify-content-between mb-4">
<h1 class="h3 mb-0 text-gray-800">View Student Attendance</h1> <ol
class="breadcrumb">
<li class="breadcrumb-item">Home
<li class="breadcrumb-item active">Student Attendance
</div>

<div class="row">
<div class="col-lg-12">
<!-- Student Selection Form -->
<div class="card mb-4 filter-section">
<div class="card-header py-3 d-flex flex-row align-items-center justify-content-between">
<h6 class="m-0 font-weight-bold text-primary">View Student Attendance</h6>
</div>
<div class="card-body">
<form method="post">
<div class="form-row">
<div class="form-group col-md-6">
<label class="form-control-label">Select Student *</label>
<select class="form-control student-select" name="studentId" required>
<option value="">-- Select Student --</option>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
<?php
$query = "SELECT Id, firstName, lastName, admissionNumber
FROM tblstudents
WHERE classId = '$classId' AND classArmId = '$classArmId'
ORDER BY lastName, firstName";
$rs = $conn->query($query);
while($row = $rs->fetch_assoc()) {
 $selected = (isset($_POST['studentId']) && $_POST['studentId'] == $row['Id']) ? 'selected' : '';
 echo "<option value='{$row['Id']}' $selected>{$row['lastName']}, {$row['firstName']}
({$row['admissionNumber']})</option>";
}

```

## **Government College University Faisalabad**

```
?>
</select>
</div>
<div class="form-group col-md-3">
 <label>From Date</label>
 <input type="date" class="form-control" name="fromDate" value="<?= date('Y-m-01') ?>">
</div>
<div class="form-group col-md-3">
 <label>To Date</label>
 <input type="date" class="form-control" name="toDate" value="<?= date('Y-m-d') ?>">
</div>
</div>
<button type="submit" name="view" class="btn btn-primary">View Attendance</button>
</form>
</div>
</div>

<!-- Attendance Summary -->
<?php if(isset($_POST['view'])) {
 $studentId = $_POST['studentId'];
 $fromDate = $_POST['fromDate'] ?? date('Y-m-01');
 $toDate = $_POST['toDate'] ?? date('Y-m-d');

 // Get student info
 $query = "SELECT firstName, lastName, admissionNumber
 FROM tblstudents
 WHERE Id = '$studentId'";
 $rs = $conn->query($query);
 $studentInfo = $rs->fetch_assoc();

 // Get attendance summary
 $query = "SELECT
 SUM(CASE WHEN status = '1' THEN 1 ELSE 0 END) as present,
 SUM(CASE WHEN status = '0' THEN 1 ELSE 0 END) as absent,
 COUNT(*) as total
 FROMtblattendance
 WHERE admissionNo = '{$studentInfo['admissionNumber']}'
 AND dateTimeTaken BETWEEN '$fromDate' AND '$toDate'";
 $rs = $conn->query($query);
 $summary = $rs->fetch_assoc();

 $attendanceRate = ($summary['total'] > 0) ? round(($summary['present']/$summary['total'])*100) : 0;
?>

<div class="card mb-4">
 <div class="card-header py-3">
 <h6 class="m-0 font-weight-bold text-primary">
 Attendance Summary for <?= $studentInfo['firstName'] ?> <?= $studentInfo['lastName'] ?>
 (<?= $studentInfo['admissionNumber'] ?>)

```

**Government College University Faisalabad**

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```
<th>Day</th>
<th>Status</th>
<th>Class</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<?php
$query = "SELECT a.status, a.dateTaken,
c.className, ca.classArmName
FROM tblattendance a
JOIN tblclass c ON c.Id = a.classListId
JOIN tblclassarms ca ON ca.Id = a.classArmId
WHERE a.admissionNo = '{$studentInfo['admissionNumber']}'"
AND a.dateTaken BETWEEN '$fromDate' AND '$toDate'
ORDER BY a.dateTaken DESC";
$rs = $conn->query($query);
$num = $rs->num_rows;
$sn = 0;

if($num > 0) {
while($row = $rs->fetch_assoc()) {
$status = ($row['status'] == '1') ? "Present" : "Absent";
$statusClass = ($row['status'] == '1') ? "present" : "absent";
$date = date('d M Y', strtotime($row['dateTaken']));
$day = date('l', strtotime($row['dateTaken'])); $sn++;
echo "<tr>
<td>$sn</td>
<td>$date</td>
<td>$day</td>
<td class='{$statusClass}'>$status</td>
<td>{$row['className']}</td>
<td>{$row['classArmName']}</td>
</tr>";
}
} else {
echo "<tr><td colspan='6' class='text-center'>No attendance records found</td></tr>";
}
?>
</tbody>
</table>
</div>
</div>
<?php } ?>
</div>
</div>
</div>
<!--Container Fluid-->
```

**Government College University Faisalabad**

```
</div>
<!-- Footer -->
<?php include "Includes/footer.php";?>
<!-- Footer -->
</div>
</div>

<!-- Scroll to top -->

 <i class="fas fa-angle-up"></i>

<script src="../Librarys/jquery/jquery.min.js"></script>
<script src="../Librarys/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="../Librarys/jquery-easing/jquery.easing.min.js"></script>
<script src="js/ruang-admin.min.js"></script>
<script src="../Librarys/datatables/jquery.dataTables.min.js"></script>
<script src="../Librarys/datatables/dataTables.bootstrap4.min.js"></script>

<script>
$(document).ready(function () {
 $('#dataTableHover').DataTable({
 "order": [[1, "desc"]], // Sort by date descending
 "pageLength": 10
 });
});
</script>
</body>
</html>

-- phpMyAdmin SQL Dump
-- version 4.6.5.2
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Oct 07, 2021 at 11:01 AM
-- Server version: 5.6.21
-- PHP Version: 5.6.3

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `attendance`
```

```
--
-- Table structure for table `tbladmin`
```

```
--
CREATE TABLE `tbladmin` (
 `Id` int(10) NOT NULL,
 `firstName` varchar(50) NOT NULL,
 `lastName` varchar(50) NOT NULL,
 `emailAddress` varchar(50) NOT NULL,
 `password` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tbladmin`
```

```
--
INSERT INTO `tbladmin` (`Id`, `firstName`, `lastName`, `emailAddress`, `password`) VALUES
(1, 'Admin', 'Liam', 'admin@mail.com', 'D00F5D5217896FB7FD601412CB890830');
```

---

```
--
-- Table structure for table `tblattendance`
```

```
--
CREATE TABLE `tblattendance` (
 `Id` int(10) NOT NULL,
 `admissionNo` varchar(255) NOT NULL,
 `classId` varchar(10) NOT NULL,
 `classArmId` varchar(10) NOT NULL,
 `sessionTermId` varchar(10) NOT NULL,
 `status` varchar(10) NOT NULL,
 `dateTimeTaken` varchar(20) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tblattendance`
```

```
--
INSERT INTO `tblattendance` (`Id`, `admissionNo`, `classId`, `classArmId`, `sessionTermId`, `status`, `dateTimeTaken`) VALUES
(162, 'ASDFLKJ', '1', '2', '1', '1', '2020-11-01'),
(163, 'HSKSDD', '1', '2', '1', '1', '2020-11-01'),
(164, 'JSLDKJ', '1', '2', '1', '1', '2020-11-01'),
(172, 'HSKDS9EE', '1', '4', '1', '1', '2020-11-01'),
(171, 'JKADA', '1', '4', '1', '0', '2020-11-01'),
(170, 'JSFSKDJ', '1', '4', '1', '1', '2020-11-01'),
(173, 'ASDFLKJ', '1', '2', '1', '1', '2020-11-19'),
```

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(174, 'HSKSDD', '1', '2', '1', '1', '2020-11-19'),  
(175, 'JSLDKJ', '1', '2', '1', '1', '2020-11-19'),  
(176, 'JSFSKDJ', '1', '4', '1', '0', '2021-07-15'),  
(177, 'JKADA', '1', '4', '1', '0', '2021-07-15'),  
(178, 'HSKDS9EE', '1', '4', '1', '0', '2021-07-15'),  
(179, 'ASDFLKJ', '1', '2', '1', '0', '2021-09-27'),  
(180, 'HSKSDD', '1', '2', '1', '1', '2021-09-27'),  
(181, 'JSLDKJ', '1', '2', '1', '1', '2021-09-27'),  
(182, 'ASDFLKJ', '1', '2', '1', '0', '2021-10-06'),  
(183, 'HSKSDD', '1', '2', '1', '0', '2021-10-06'),  
(184, 'JSLDKJ', '1', '2', '1', '1', '2021-10-06'),  
(185, 'ASDFLKJ', '1', '2', '1', '0', '2021-10-07'),  
(186, 'HSKSDD', '1', '2', '1', '0', '2021-10-07'),  
(187, 'JSLDKJ', '1', '2', '1', '0', '2021-10-07'),  
(188, 'AMS110', '4', '6', '1', '0', '2021-10-07'),  
(189, 'AMS133', '4', '6', '1', '0', '2021-10-07'),  
(190, 'AMS135', '4', '6', '1', '0', '2021-10-07'),  
(191, 'AMS144', '4', '6', '1', '0', '2021-10-07'),  
(192, 'AMS148', '4', '6', '1', '0', '2021-10-07'),  
(193, 'AMS151', '4', '6', '1', '0', '2021-10-07'),  
(194, 'AMS159', '4', '6', '1', '0', '2021-10-07'),  
(195, 'AMS161', '4', '6', '1', '0', '2021-10-07');

---

--  
-- Table structure for table `tblclass`  
--  
CREATE TABLE `tblclass` (  
 `Id` int(10) NOT NULL,  
 `className` varchar(255) NOT NULL  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

```
--
-- Dumping data for table `tblclass`

INSERT INTO `tblclass` ('Id', 'className') VALUES
(1, 'Seven'),
(3, 'Eight'),
(4, 'Nine');

--
-- Table structure for table `tblclassarms`

--CREATE TABLE `tblclassarms` (
 `Id` int(10) NOT NULL,
 `classId` varchar(10) NOT NULL,
 `classArmName` varchar(255) NOT NULL,
 `isAssigned` varchar(10) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblclassarms`

--

INSERT INTO `tblclassarms` ('Id', 'classId', 'classArmName', 'isAssigned') VALUES
(2, '1', 'S1', '1'),
(4, '1', 'S2', '1'),
(5, '3', 'E1', '1'),
(6, '4', 'N1', '1');

--
-- Table structure for table `tblclassteacher`

--CREATE TABLE `tblclassteacher` (
 `Id` int(10) NOT NULL,
 `firstName` varchar(255) NOT NULL,
 `lastName` varchar(255) NOT NULL,
 `emailAddress` varchar(255) NOT NULL,
 `password` varchar(255) NOT NULL,
 `phoneNo` varchar(50) NOT NULL,
 `classId` varchar(10) NOT NULL,

--
```

```
--
`classArmId` varchar(10) NOT NULL,
`dateCreated` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

Dumping data for table `tblclassteacher`

```
--

INSERT INTO `tblclassteacher` (`Id`, `firstName`, `lastName`, `emailAddress`, `password`, `phoneNo`, `classId`,
`classArmId`, `dateCreated`) VALUES
(1, 'Will', 'Williams', 'teacher@mail.com', '32250170a0dca92d53ec9624f336ca24', '09089898999', '1', '2', '2020-10-31'),
(4, 'Demola', 'Ade', 'Kumolu@gmail.com', '32250170a0dca92d53ec9624f336ca24', '09672002882', '1', '4', '2020-11-01'),
(5, 'Ryan', 'McQuie', 'ryan@mail.com', '32250170a0dca92d53ec9624f336ca24', '7014560000', '3', '5', '2021-10-07'),
(6, 'John', 'Greenwood', 'jwood@mail.com', '32250170a0dca92d53ec9624f336ca24', '0100000030', '4', '6', '2021-10-07');
```

---

```
--
-- Table structure for table `tblsessionterm`

CREATE TABLE `tblsessionterm` (
`Id` int(10) NOT NULL,
`sessionId` varchar(50) NOT NULL,
`termId` varchar(50) NOT NULL,
`isActive` varchar(10) NOT NULL,
`dateCreated` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tblsessionterm`
--
```

```
--

INSERT INTO `tblsessionterm` (`Id`, `sessionId`, `termId`, `isActive`, `dateCreated`) VALUES
(1, '2019/2020', '1', '1', '2020-10-31'),
(3, '2019/2020', '2', '0', '2020-10-31');
```

---

```
--
-- Table structure for table `tblstudents`

CREATE TABLE `tblstudents` (
`Id` int(10) NOT NULL,
`firstName` varchar(255) NOT NULL,
`lastName` varchar(255) NOT NULL,
`otherName` varchar(255) NOT NULL,
--
```

```
--
`admissionNumber` varchar(255) NOT NULL,
`password` varchar(50) NOT NULL,
`classId` varchar(10) NOT NULL,
`classArmId` varchar(10) NOT NULL,
`dateCreated` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
Dumping data for table `tblstudents`
```

```
INSERT INTO `tblstudents` (`Id`, `firstName`, `lastName`, `otherName`, `admissionNumber`, `password`, `classId`,
`classArmId`, `dateCreated`) VALUES
(1, 'Thomas', 'Griswold', 'none', 'AMS005', '12345', '1', '2', '2020-10-31'),
(3, 'Samuel', 'Rosella', 'none', 'AMS007', '12345', '1', '2', '2020-10-31'),
(4, 'Milagros', 'Lawson', 'none', 'AMS011', '12345', '1', '2', '2020-10-31'),
(5, 'Luis', 'Ayo', 'none', 'AMS012', '12345', '1', '4', '2020-10-31'),
(6, 'Sandra', 'Salgado', 'none', 'AMS015', '12345', '1', '4', '2020-10-31'),
(7, 'Smith', 'Mack', 'Mack', 'AMS017', '12345', '1', '4', '2020-10-31'),
(8, 'Juliana', 'Debiie', 'none', 'AMS019', '12345', '3', '5', '2020-10-31'),
(9, 'Richard', 'Grimmer', 'none', 'AMS021', '12345', '3', '5', '2020-10-31'),
(10, 'Jon', 'Boller', 'none', 'AMS110', '12345', '4', '6', '2021-10-07'),
(11, 'Aida', 'Hawley', 'none', 'AMS133', '12345', '4', '6', '2021-10-07'),
(12, 'Miguel', 'Bush', 'none', 'AMS135', '12345', '4', '6', '2021-10-07'),
(13, 'Sergio', 'Hammons', 'none', 'AMS144', '12345', '4', '6', '2021-10-07'),
(14, 'Lyn', 'Rogers', 'none', 'AMS148', '12345', '4', '6', '2021-10-07'),
(15, 'James', 'Dominick', 'none', 'AMS151', '12345', '4', '6', '2021-10-07'),
(16, 'Ethel', 'Quin', 'none', 'AMS159', '12345', '4', '6', '2021-10-07'),
(17, 'Roland', 'Estrada', 'none', 'AMS161', '12345', '4', '6', '2021-10-07);
```

---

```
--
-- Table structure for table `tblterm`
```

```
--
CREATE TABLE `tblterm` (
`Id` int(10) NOT NULL,
`termName` varchar(20) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tblterm`
```

```
--
INSERT INTO `tblterm` (`Id`, `termName`) VALUES
(1, 'First'),
```

```
--
(2, 'Second'),
(3, 'Third');

--
-- Indexes for dumped tables
--

--
-- Indexes for table `tbladmin`
--
ALTER TABLE `tbladmin`
ADD PRIMARY KEY (`Id`);

Indexes for table `tblattendance`
--
ALTER TABLE `tblattendance`
ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblclass`
--
ALTER TABLE `tblclass`
ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblclassarms`
--
ALTER TABLE `tblclassarms`
ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblclassteacher`
--
ALTER TABLE `tblclassteacher`
ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblsessionterm`
--
ALTER TABLE `tblsessionterm`
ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblstudents`
--
--
```

```
--
ALTER TABLE `tblstudents`
ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblterm`
--
ALTER TABLE `tblterm`
ADD PRIMARY KEY (`Id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `tbladmin`
--
ALTER TABLE `tbladmin`
MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
--
AUTO_INCREMENT for table `tblattendance`

--
```

```
--
ALTER TABLE `tblattendance`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=196;
--
-- AUTO_INCREMENT for table `tblclass`
--
ALTER TABLE `tblclass`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `tblclassarms`
--
ALTER TABLE `tblclassarms`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `tblclassteacher`
--
ALTER TABLE `tblclassteacher`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `tblsessionterm`
--
ALTER TABLE `tblsessionterm`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
--
-- AUTO_INCREMENT for table `tblstudents`
--
ALTER TABLE `tblstudents`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=18;
--
-- AUTO_INCREMENT for table `tblterm`
--
ALTER TABLE `tblterm`
 MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */
```

## **CHAPTER 6**

## **TESTING**

## **6.1 INTRODUCTION TO SYSTEM TESTING:**

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub-assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the

Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of tests. Each test type addresses a specific testing requirement.

## **TYPES OF TESTING:**

### **Unit testing:**

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

### **Integration testing:**

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfaction, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

## **Functional test:**

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centered on the following items:

Valid Input : identified classes of valid input must be accepted.

Invalid Input : identified classes of invalid input must be rejected.

Functions : identified functions must be exercised.

Output : identified classes of application outputs must be exercised.

Systems/Procedures: interfacing systems or procedures must be invoked.

Organization and preparation of functional tests is focused on requirements, key functions, or special test cases. In addition, systematic coverage pertaining to identify Business process flows; data fields, predefined processes, and successive processes must be considered for testing. Before functional testing is complete, additional tests are identified and the effective value of current tests is determined.

## **System Test:**

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration-oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

## **White Box Testing:**

White Box Testing is a testing in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose. It is used to test areas that cannot be reached from a black box level.

### **Black Box Testing:**

Black Box Testing is testing the software without any knowledge of the inner workings, structure or language of the module being tested. Black box tests, as most other kinds of tests, must be written from a definitive source document, such as specification or requirements document, such as specification or requirements document. It is a testing in which the software under test is treated, as a black box .you cannot “see” into it. The test provides inputs and responds to outputs without considering how the software works.

### **Unit Testing:**

Unit testing is usually conducted as part of a combined code and unit test phase of the software lifecycle, although it is not uncommon for coding and unit testing to be conducted as two distinct phases.

## **Test strategy and approach**

Field testing will be performed manually and functional tests will be written in detail.

### **Test objectives**

- All field entries must work properly.
- Pages must be activated from the identified link.
- The entry screen, messages and responses must not be delayed.

### **Features to be tested**

- Verify that the entries are of the correct format
- No duplicate entries should be allowed
- All links should take the user to the correct page.

### **Integration Testing:**

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects.

The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

### **Test Results:**

All the test cases mentioned above passed successfully. No defects encountered.

### **Acceptance Testing:**

User Acceptance Testing is a critical phase of any project and requires significant participation by the end user. It also ensures that the system meets the functional requirements.

### **Test Results:**

All the test cases mentioned above passed successfully. No defects encountered.

## **CHAPTER 7**

## **SAMPLE SCREENSHOTS**

## **LOGIN PAGE:**



*Figure 7. 1 Login Page*

## **ADMIN PANEL:**

The screenshot shows the Administrator Dashboard. On the left, a sidebar lists navigation options: Dashboard, Manage Classes, Manage Semesters, Manage Teachers, Manage Students, and Total Attendance. The main area displays four key metrics: 5 STUDENTS (blue icon), 2 CLASSES (laptop icon), 3 SEMESTERS (green icon), and 32 TOTAL ATTENDANCE (calendar icon). The URL in the browser bar is `localhost/attendance-php/Admin/index.php#`.

*Figure 7. 2: Admin Panel*

## Teacher module:

The screenshot shows the Class Teacher Dashboard for BSCS - 8th Semester. The sidebar includes links for Dashboard, STUDENTS (Manage Students), ATTENDANCE (Manage Attendance), and a general link. The main dashboard shows 4 STUDENTS (blue icon), 2 CLASSES (laptop icon), 3 SEMESTERS (green icon), and 29 TOTAL ATTENDANCE (calendar icon).

*Figure 7. 4 Teacher Module*

## **Student Module:**

The screenshot shows the 'Student Dashboard' for a student named Maaha noor. The top navigation bar includes the 'AMS' logo and the student's name 'Maaha noor'. The dashboard features a sidebar with 'Dashboard', 'MY INFORMATION', 'My Profile', and 'My Attendance' options. The main content area displays the student's profile picture, name 'Maaha noor', admission number '977929', class 'BSCS', and semester '8th Semester'. Key statistics include 'TOTAL ATTENDANCE 8 Days', 'PRESENT DAYS 8 Days', and an 'ATTENDANCE PERCENTAGE' of 100%. Below this is a table titled 'Recent Attendance' showing four entries from May 2025, all marked as 'Present'.

Date	Status	Class	Semester
13 May 2025	Present	BSCS	8th Semester
08 May 2025	Present	BSCS	8th Semester
06 May 2025	Present	BSCS	8th Semester
05 May 2025	Present	BSCS	8th Semester

*Figure 7. 5 Student Module*

## **Manage Classes:**

The screenshot shows the AMS interface with a dark header bar. On the left, a sidebar menu includes 'Dashboard', 'CLASS AND CLASS SECTION' (with 'Manage Classes' and 'Manage Semesters'), 'TEACHERS' (with 'Manage Teachers'), 'STUDENTS' (with 'Manage Students'), and 'Total Attendance'. The main content area is titled 'Create Class' and contains a form to add a new class. It has a 'Class Name' input field and a 'Save' button. Below this is a table titled 'All Classes' showing two entries: 'BS English' and 'BSCS'. The table includes columns for '#', 'Class Name', 'Edit', and 'Delete'. At the bottom, there is a search bar, a 'Show' dropdown set to '10', and a message 'Showing 1 to 2 of 2 entries'.

*Figure 7. 6 Manage Classes:*

## **Manage semester:**

The screenshot shows the 'Create Semester' page of the AMS application. On the left, there is a sidebar with navigation links: Dashboard, Manage Classes, Manage Semesters, Manage Teachers, Manage Students, and Total Attendance. The 'Manage Semesters' link is highlighted. The main content area has a title 'Create Semester' and a sub-section 'Create Semester'. It contains two input fields: 'Class Name \*' with a dropdown menu showing '--Select Class--' and 'Semester Name \*' with an empty input field. Below these is a 'Save' button. At the top right, there is a search icon and a 'Welcome Admin' message. The bottom section is titled 'All Semesters' and includes a table with three entries:

#	Class Name	Semester Name	Status	Edit	Delete
1	BS English	8th Semester	UnAssigned		
2	BSCS	6th Semester	Assigned		
3	BSCS	8th Semester	Assigned		

Below the table, it says 'Showing 1 to 3 of 3 entries' and has 'Previous' and 'Next' buttons.

*Figure 7. 7 Manage Semester:*

## **Manage Teacher:**

The screenshot shows the 'Create Class Teachers' form. It includes fields for Firstname, Lastname, Email Address, Phone No., Select Class, and Class Section. A 'Save' button is at the bottom. Below the form is a table titled 'All Class Teachers' showing one record: Aneeka Zuhra with email aneeza@gmail.com, phone 00000000, class RSCS, and section 6th Semester.

#	First Name	Last Name	Email Address	Phone No	Class	Class Section	Date Created	Delete
1	Aneeka	Zuhra	aneeza@gmail.com	00000000	RSCS	6th Semester	2025-04-27	

*Figure 7. 8 Manage Teacher*

## Manage Students:

The screenshot shows the 'Create Students' form. It includes fields for Firstname, Lastname, Father's Name, Admission Number, Select Class, and Semester. A 'Save' button is at the bottom. Below the form is a table titled 'All Student' showing one record: Zafar Shah with admission number AMS04, class BSCS, and semester 8th Semester.

#	First Name	Last Name	Father's Name	Admission No	Class	Semester	Date Created	Edit	Delete
1	Zafar	Shah	-	AMS04	BSCS	8th Semester	2025-05-04		

*Figure 7. 9 Manage Students:*

## **View Attendance:**

The screenshot shows the 'Total Attendance Records' page in the AMS system. The top navigation bar includes 'AMS', a search icon, and 'Welcome Admin'. The left sidebar has links for 'Dashboard', 'Manage Classes', 'Manage Semesters', 'Manage Teachers', 'Manage Students', and 'Total Attendance'. The main content area is titled 'Total Attendance Records' and includes a 'Filter Attendance' section with dropdowns for 'Select Date', 'Select Class', 'Select Semester', and 'Status'. Below this is a table titled 'Attendance Records' showing student details and attendance status. The table has columns: #, Student Name, Admission No, Class, Semester, Status, and Date. Four rows are listed, all showing 'Absent' in the Status column.

#	Student Name	Admission No	Class	Semester	Status	Date
1	Hassan Zafar	977917	BSCS	8th Semester	Absent	2025-06-04
2	Maaha noor	977929	BSCS	8th Semester	Absent	2025-06-04
3	Zafar Shah	AMS04	BSCS	8th Semester	Absent	2025-06-04
4	Aneeza Zuhra	977927	BSCS	8th Semester	Absent	2025-06-04

*Figure 7. 10 View Attendance:*

## **Take Attendance**

The screenshot shows the AMS interface for taking attendance. At the top, there's a dark header bar with the university logo, 'AMS', and a search icon. On the right, it says 'Welcome Hassan Shah'. Below the header, the main content area has a title 'Take Attendance (Today's Date : 06-04-2025)' and a note 'Note: Click on the checkboxes besides each student to take attendance!'. A table lists four students: Zafar Shah (Adm No: AMS04), Aneeza Zuhra (Adm No: 977927), Hassan Zafar Shah (Adm No: 977917), and Maaha noor (Adm No: 977929). Each student row has a checkbox in the 'Check' column. A blue button at the bottom left says 'Take Attendance'. The sidebar on the left has sections for 'Dashboard', 'STUDENTS' (with 'Manage Students >'), and 'ATTENDANCE' (with 'Manage Attendance' expanded, showing 'Take Attendance', 'View Class Attendance', 'View Student Attendance', and 'Today's Report (PDF)').

#	First Name	Last Name	Other Name	Admission No	Class	Class Section	Check
1	Zafar	Shah	..	AMS04	BSCS	8th Semester	<input type="checkbox"/>
2	Aneeza	Zuhra	....	977927	BSCS	8th Semester	<input type="checkbox"/>
3	Hassan	Zafar	Zafar Shah	977917	BSCS	8th Semester	<input type="checkbox"/>
4	Maaha	noor	NA	977929	BSCS	8th Semester	<input type="checkbox"/>

*Figure 7. 11 Take Attendance:*

## Today's Report



*Figure 7. 12 Today's Report :*

## **Student Dashboard**

The screenshot shows the Student Dashboard for a student named Maaha noor. At the top, there is a navigation bar with the logo 'AMS' and the student's name 'Maaha noor'. Below the navigation bar, the dashboard has a header 'Student Dashboard' and a breadcrumb trail 'Home / Dashboard'. On the left, there is a sidebar titled 'MY INFORMATION' with links for 'My Profile' and 'My Attendance'. The main content area displays the student's profile picture, name 'Maaha noor', admission number '977929', class 'BSCS', and semester '8th Semester'. It also shows attendance statistics: 'TOTAL ATTENDANCE 8 Days' with a calendar icon, 'PRESENT DAYS 8 Days' with a person icon, and an 'ATTENDANCE PERCENTAGE 100%' bar chart. Below these, a section titled 'Recent Attendance' lists four entries with dates from 05 May 2025 to 13 May 2025, all marked as 'Present'.

Date	Status	Class	Semester
13 May 2025	Present	BSCS	8th Semester
08 May 2025	Present	BSCS	8th Semester
06 May 2025	Present	BSCS	8th Semester
05 May 2025	Present	BSCS	8th Semester

*Figure 7. 13 Student Dashboard:*

## Student Profile

The screenshot shows the 'Student Profile' section of the AMS (Academic Management System) interface. At the top, there's a navigation bar with a user icon, 'AMS', and a link to 'Maaha noor'. On the left, a sidebar lists 'Dashboard', 'MY INFORMATION' (selected), 'My Profile', and 'My Attendance'. The main content area displays a profile card for 'Maaha noor' (BSCS 8th Semester). The card includes fields for 'Admission Number' (977929), 'Full Name' (Maaha noor), 'Class & Section' (BSCS - 8th Semester), and 'Account Type' (Student). A blue header bar above the card also features the name 'Maaha noor' and the semester information.

*Figure 7. 14 Student Profile*

## **8. CONCLUSION:**

In conclusion, our project aimed to revolutionize healthcare accessibility by bringing medical services directly to the doorsteps of individuals. Through careful planning, collaboration, and innovative solutions, we have successfully created a system that bridges the gap between patients and healthcare providers. By implementing a doorstep medical service model, we have not only increased the convenience for patients but also addressed critical issues such as timely interventions, reduced transportation barriers, and improved overall healthcare outcomes. Our team's dedication to excellence and commitment to patient-centric care have been the driving forces behind the success of this project. Through rigorous testing and feedback collection, we have fine-tuned our services to ensure efficiency, accuracy, and a seamless experience for both patients and healthcare professionals. The positive impact of our project extends beyond mere convenience—it contributes to a more inclusive and responsive healthcare system. As we move forward, we recognize the ongoing need for adaptability and continuous improvement. Embracing emerging technologies, refining logistical processes, and staying attuned to the evolving needs of our community will be paramount. Our vision for accessible, doorstep medical services is not just a project; it's a step towards a more accessible,

patient-friendly healthcare landscape. In the end, this project is not just about providing medical services—it's about enhancing lives, fostering well-being, and making healthcare a truly doorstep experience for all.

## **9. BIBLOGRAPHY**

1. PHP MySQL Website Programming: Problem - Design – Solution by Chris Lea, Mike Buzzard, Dilip Thomas , Jessey White-Cinis
2. Beginning PHP5, Apache, and MySQL Web Development (Programmer to Programmer) by Elizabeth Naramore
3. MySQL/PHP Database Applications, 2nd Edition by Brad Bulger
4. How to Do Everything with PHP and MySQL by "Vikram Vaswani" .