MINI PROJECT FINAL REPORT ON

TUITION CENTRE MANAGEMENT SYSTEM

IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE AWARD OF THE DEGREE IN

BACHELOR OF COMPUTER APPLICATIONS

OF

MAHATMA GANDHI UNIVERSITY

KERALA

Submitted by

KHADEEJA BEEVI C.N

DEPARTMENT OF COMPUTER APPLICATION

(2022-2023)

M.E.S COLLEGE MARAMPALLY

ALUVA -7

M E S COLLEGE,MARAMPALLY

ALUVA-7

DEPARTMENT OF COMPUTER APPLICATIONS

Certificate

This is to certify that the report entitled

TUITION CENTRE MANAGEMENT SYSTEM

Has been submitted by

……

……

In the partial fulfillment of the award of the degree in

BACHELOR OF COMPUTER APPLICATION

IN

MAHATMA GANDHI UNIVERSITY

During the academic year 2022-2023

Roll No: ……..

Project Guide Head of the Department

Submitted for the examination held on……..

Examiners

1.

2.

MES COLLEGE,MARAMPALLY
MARAMPALLY, ALUVA-7.

DEPARTMENT OF COMPUTER APPLICATIONS

PROFORMA FOR APPROVAL OF B.C.A PROJECT REPORT (2022-2023)

1. Roll Number : ……
2. Name of the Student : ……
3. Title of the Project : ……
   ……
4. Name and address of the firm : ……
   ……
   ……
   Phone Number : ……
   Name of the Guide
   (firm/ Organization) : ……
5. Software used in the Project : ……
   ……
6. Date of submission : ……

Signature of the Student

Signature of the Guide
(firm/organization)

Signature of staff incharge

Suggestion for reformulating the project if any:

Signature of internal guide with date

ACKNOWLEDGEMENT

I thank God almighty for giving the favour to complete this project to extend my knowledge and capabilities. I like this opportunity to express my sincere thanks and gratitude to Dr. Ajims P Mohammed, Principal of MES College, Marampally for the guidance and encouragement given during the course of the study. I would like to thank Mrs. Leena C Sekhar, Head of the Department of computer applications MES College, Marampally is inspiring and commendable support throughout the course and project. I would like to extend my sincere feeling of gratitude to Ms Dr Jaseena K U, Project Guide, for all the necessary facilities to complete my project work successfully and their single minded devotion to obtain maximum effort. I would like to thank all staff members of Computer Applications Department for their valuable suggestions and help during the course of study. I express my sincere thanks to my parents and friends those who had provide all the support both directly and indirectly.

KHADEEJA BEEVI C.A

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1. INTRODUCTION

1.1 Overview of system

Fed up with struggling with a system, which seems to add to your workload, which doesn't work the way your school does? Do you want a scalable computerized system with plenty of timesaving features that help to get jobs done accurately and quickly? Do you want professional-looking reports and correspondence? Then look at School Management System.

The appearance of your student records says a lot about the quality of your institute. Other educators and registrars make judgments based on student records that can permanently affect a student's life. include the basics such as transcripts, attendance, and as well as many other specialized capabilities, including parental access to real time student grades on the Internet. This means that not only administrators but also parents, teachers, and students have access to real-time data. With traditional reporting methods parents may not find out how their student is performing in school until the end of the quarter or semester --usually too late to correct a problem situation. This system allows parents to know how their student is doing on a continual basis by using the internet

You operate a quality program—NOW you can be sure your records communicate that quality. Here realizes the need for an effective school management system and that is exactly what we are striving for! The Tuition Centre Management System will replace the paper-based data collection and information exchange system among the various departments of a particular school. The Tuition Centre Management System provides an innovative solution for Today's tuition class record- keeping challenges. This tuition class management system will give you room to handle your responsibilities whether you're just starting or are an experienced professional. The Tuition Centre Management System opens a universe of opportunities to automate the laborious paperwork involved in proper school management. With our proposed record-keeping software the admin can more effectively interact with the students as they develop skills and character for success. They will not only have more time to spend with them, but it will be quality time because they will have upto-date student information to facilitate them.

Tuition Centre Management System is a attendance and student performance tracking application. This system ease the work of the employee and admin as

well as the student. All the required information can be obtained at single place.

A system is most important if you want to maintain standard and correct tracks of the information in an institute and provide more security to the document if deploy correctly.

1.2 Problem definition and objective

The way of recording attendance by using a paper form and put a file may not be safe and efficient because the records might be destroyed by the natural cause such as flood or unnatural missing filed like missing files. In the existing system, parents need to call the tuition centre or teacher or need to attend the tuition centreto know about their children's attendance record in tuition class. However, by using this system, parents canmonitor their children's attendance and can avoid their children skip the tuition class. Nowadays, student schedule is full with the extra class in school, some learning hobbies ..

If tuition centre use the manual registration system will cause inconvenience to the parent because parentsnowadays are busy with their work, this mean that they maybe did not have the extra time to go the tuitioncentre for help their children do registration. With the TCIS, parents only need fill the online registration form to help their children do the registration and submit the registration form to the tuition centre by online system. Therefore, they no need waste their time to the tuition centre. The Tuition Centre Management System is web based systems that will be developed to manage thesystem of the tuition centre. This system can help to solve the problem such as the way to take student attendance, and the registration problem to the parent.

The Tuition Centre Management System provides an innovative solution for Toda y's tuition class record- keeping challenges. This tuition class management system will give you room to handle your responsibilities whether you're just starting or are an experienced professional. The Tuition Centre Management System opens a universe of opportunities to automate the laborious paperwork involved in proper school management. With our

proposed record-keeping software the admin can more effectively interact with the students as they develop skills and character for success.

The objective of this project is to manage tuition centre records easily. The main objectives include:

- All the details regarding tuition centre, whether it is small or big, will be computerized.
- As this management system will be centralized, the chances of the duplicate data in the system are close to nil.
- The automation feature of this management system will mitigate the task of writing the papers.

  . It is simply can bedone online on the system, and can be forwarded.
- In today's rush hour of the life, it is difficult for a parent to go to the school of his / her child everytime a teacher calls.
-

By this management system, it will easier for a parent and a teacher to be in touch every day. As a matter offact, it will be easier for each individual person who is associated with the system to be in touch as per needed.

2. REQUIREMENT ANALYSIS

2.1 Problem definition

The way of recording attendance by using a paper form and put a file may not be safe and efficient becausethe records might be destroyed by the natural cause such as flood or unnatural missing filed like missing files. In the existing system, parents need to call the tuition centre or teacher or need to attend the tuition centreto know about their children's attendance record in tuition class. However, by using this system, parents canmonitor their children's attendance and can avoid their children skip the tuition class. Nowadays, student schedule is full with the extra class in school, some learning hobbies ..

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2.2 Software development model

I select prototype model for this project.

- **Requirement Gathering and analysis :** All possible requirements of the system to be developed likeprocessing speed, data security, acquiring more functions etc, are captured in this phase and then documented in a requirement specification document.

- **System Design:** The requirement specifications from first phase are studied in this phase and systemdesign is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture.

- **Implementation:** With inputs from system design, the system is divides as units . which are integratedin the next phase. Each unit is

developed and tested for its functionality which is referred to as Unit Testing.

- **Integration and Testing:** All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.

- **Deployment of system:** Once the functional and non functional testing is done, the software is deployed in the customer environment or released it.
- **Maintenance:** There are some issues which come up in the client environment. To fix those issues patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

2.3 Requirement specification

In my initial investigation our system has lots of manual work which needs to be computerized. So, lots ofpaper work is required. In order to minimize this we need to computerize all those departments which require record maintenance. All the different administrative department works require paper work which includes the record maintenance of current Study Centre, Students Affiliated, Teacher
Details or Faculty Details. Records of Marks of Assignment, Theory and Practical are maintained on the paper. No FAQ facility, so students who have some confusions and problems regarding courses structure and fees need to talk to specific functionaries who are normally not available on weekdays at study centres as most of
the Study Centres operate on Saturdays and Sundays only. They are not able to find out their teacher qualifications and experiences.

2.3.1 Justification of the proposed system

The existing system that will be discussed is TCMS. This system is developed by InvoTech Labs. There are no testimonials to show that this system is well use in any learning centre. But there are some functions that canbe used to produce to-be system based on this system

After done some reviews of current learning centre, most of it use spreadsheets (.xls) to keep the data. There were several folders created to separate the activities for student, courses, and employee's information. This way is not very efficient and takes time.

The existing system has various disadvantages compared to the proposed system. Some disadvantages are listed below:

- It doesn't improve updates regularly.
- It can't manage a batch at a time.

The proposed system is "Tuition Centre Management System" which collect and manages student details, staff details of a tuition class. It enables a private tutor or any coaching class to maintain a list of studentsenrolled, track their attendance. It also enables student to download study materials. This system manage all required informational at single place.

2.3.2 Benefits of proposed system

The proposed system is wholly computerized thus making it user friendlier. The system is more efficient, reliable, accurate and fast. The benefits of the proposed system are:

- It saves the precious time of teachers from regular admin works. This is achieved by automating theusual time-consuming tasks like time-table creation, attendance management, etc. The tuition management system can also generate different reports that help the teachers as well as admin and saves precious time in the process.
- Timetable creation is the most time-consuming activity within a school and with timetable module intuition system helps in creating and managing different types of timetables.

2.4 Project planning

Considering the total available time I have prepared a plan and schedule which is given below.

Sl.No	Duration	Activity
1	July 04 - July 07	Identification of need.
2	July 08 - August 01	Feasibility study
3	August 02 – August 28	Analysis
4	August 29 – September 20	Design
5	September 21 – September 30	Testing
6	October	Implementation

2.5 Project scheduling

Once we have estimates of the effort and time requirement for the different phases, a schedule for the project can be prepared. Conceptually simple and effective scheduling techniques like calendar-oriented charts are prepared. Progress can be represented easily by ticking off each milestone when completed.Alternatively, for each activity another bar can be drawn specifying when the activity actually started and ended, i.e., when these two milestones were achieved. Once we have estimates of the effort and time requirement for the different phases, a schedule for the project can be prepared.

2.6 Feasibility study

Feasibility study is a step towards identification of the candidate system as a feasible product. First the studies often pre-suppose that when the feasibility document is being prepared, the analyst is in a position to evaluate solutions. Second, most studies tend to overlook the confusion inherent in system development – the constraints and the assumed attitudes.

If the feasibility study is to serve as a decision document, it must answer three questions:

- Is there a new and better way to do a job that will benefit the user?
- What are the costs and saving of the alternatives?
- What is recommended?

There are three key considerations to the feasibility study:

- Economic
- Technical
- Behavioural
- Operational

2.6.1 Technical feasibility

A study of resource availability that may affect the ability to achieve an acceptable system. This evaluationdetermines whether the technology needed for the proposed system is available or not.

- Can the work for the project be done with current equipment existing software technology &available personal?
- Can the system be upgraded if developed?
- If new technology is needed then what can be developed? This is concerned with specifying equipment and software that will successfully satisfy the user requirement. The technical needs of the system may include:

An important issue for the development of a project is the selection of suitable front-end and back-end.

2.6.2 Economic feasibility

Economic justification is generally the "Bottom Line" consideration for most systems. Economic justificationincludes a broad range of concerns that includes cost benefit analysis. In this we weight the cost and the benefits associated with the candidate system and if it suits the basic purpose of the organization i.e. profit making, the project is making to the analysis and design phase.

The financial and the economic questions during the preliminary investigation are verified to estimate thefollowing:

- The cost to conduct a full system investigation.
- The cost of hardware and software for the class of application being considered.

- The benefits in the form of reduced cost.
- The proposed system will give the minute information, as a result the performance is improved which in turn may be expected to provide increased profits
- This feasibility checks whether the system can be developed with the available funds. The Tuition Centre Management System does not require enormous amount of money to be developed. This can be done economically if planned judicially, so it is economically feasible. The cost of project depends upon the number of manhours required.2.6.3

2.6.3 Operational feasibility

It is mainly related to human organizations and political aspects. The points to be considered are:

- What changes will be brought with the system?
- What organization structures are disturbed?
- What new skills will be required? Do the existing staff members have these skills? If not, can they betrained in due course of time?

3. SOFTWARE REQUIREMENT SPECIFICATION(SRS)

3.1 Introduction

The “TUITION CENTRE MANAGEMENT SYSYTEM” can handle all the details about a staff, students and their parents. The details include student and staffs personal details, student batch details, student performance.The “TUITION CENTRE MANAGEMENT SYSTEM” is an automated version of manual tuition centre management system.

3.1.1 Purpose

This document describes the software requirements specification (SRS) for the “Tuition Centre ManagementSystem” that provides the access and management of information of different modules in a coaching institutionlike Students, Guardians, Teachers,. Our project is based on a database, which stores and maintains the information of different modules within the system. The advantage of the management system is to avoid entries in hard copies and it saves the burden of hard copies of data. The system is a Desktop Application and GUI for this system is developed in PHP#. The Database for this management system is created in SQL. There are four users for this system 1. Admin (have full access to read and write of all modules in management system) 2. Teacher (have access limited to write and manage the student, attendance, can add notes , and can view their own attendance) 3. Students (have access limited to read class time table, e, attendance status, can read study materials,) 4. Parents (have access limited to read
, children class routine, view tutors)

The purpose of this document is to retrieve and analyze the ideas that define the product and requirements that the user needs. This document describes the details of our product, its parameter, and its goals. This SRSdocument describes the target, audience, user interface of product and
Software/Hardware requirements ofour product. This document also

describes the problem we have faced during the designing and implementation of the product and also describes how we have solved this problem and make our product more efficient. The management system saves the human power and time cost to perform the same task.

The data in the database can be saved for a long time and can be used for different purposes in the future. Inmanagement systems, there is a minor chance of losing the data. This document also defines how customersand users see our product and understand the functionality of the product. This document will help the developers/designers in case of maintenance of the software product.

3.1.2 Scope

As coaching institutions are growing day by day more and more, and also increasing the complexity of storinginformation of students and their performance etc, they face many related issues: attendance..

This project is based on the educational institute system where this application gives maximum services in asingle software product that is used by teacher and system administration.

3.1.3 Definitions,acronyms,and abbrevations

- **Tuition class management sytem**: An information system for managing student and teacher resourcesin the institute.
- **Admin:** Who handle all the activities in the institute.
- **Teacher:** A person who teaches in the institute.
- **Student**: a person formally engaged in learning, especially one enrolled in the institute.
- **Parent:** It is the responsible person of the student.
- **Timetable:** A schedule of events that organizes school activities throughout the day.
- **Attendance:** The number of persons present in the institute.

- **Report:** The tuition class report is the form that is filled out by your teacher. It includes a transcript,information about the students academic performance**.**

Acronyms	**Meaning**
SQL	Structured Query Language
PHP	Hypertext Preprocessor
SMS	Standard Message Service
TCMS	Tuition Class Management System

3.1.4 References

- K K Aggarwal, Yogesh Singh - Software Engineering, Third Edition, New Age ,International Publications

❖ Roger S Pressman - Software Engineering: A Practitioner's Approach, Sixth Edition, McGraw-Hill Higher Education

3.1.5 Overview

The developer is responsible for :

- Developing the system.
- Installing the software.
- Maintaining the system.

3.2 Overall description

3.2.1 Product perspective

The product Tuition Centre Management System, is an independent product and does not depend on anyother product or system. The product will automate various tasks associated will handling student detailsand better organizing the stored information and optimum performance, thus helping the coaching institutions to ensure smooth working of these processes.

3.2.2 Product functions

The “Tuition Centre Management system” will allow access only to authorized users with specific roles(System admin, teachers, student and parents).Depending upon the user’s role, he/she will be able to accessonly specific modules of the system.

A summary of major functions that this system will perform are:

- Ab login facility for enabling only authorized access to the system
- System admin will be able to add, modify or delete batches, courses, attendance, and login information.
- Teachers will able to add/modify student attendance,add notes.
- Student will able to view class schedules,tutors and notes.
- Parent will able to read their children attendance,tutor and add student.
- teachers will be able to add attendance and upload notes

3.2.3 User characteristics

Admin

- Managing user accounts(teacher, student, parent).
- Managing class, subjects
- Managing student class schedule
- Managing batches

Teacher

- Managing students.
- Provide study materials/files to student.

- Managing student attendance

Student

- They can view class timetable, and attendance status.
- They can view the study materials uploaded by the teachers.
- They can view tutors.

Parents

- They can view their children attendance
- They get children class routine
- They can view tutors.

3.2.4 Constraints

- The system must be user friendly.

Designed in PHP using MYSQL

3.2.5 Assumptions and dependencies

Users can just retrieve the files and personnel details from the database.They can edit and view their details and can upload files by changing some limited portions of the database. Administrator will have entireaccess throughout the database. System should have proper user authentication.

3.3 Specific requirements

3.3.1 External interfaces

- **Login:** It asks the user to type his username and password . If the user entered either his usernameor password incorrectly then an error message occurs.
- **Hardware interface:** Only the recommended configuration (basic requirements of a computer system) no other specific hardware is required to run the software.
  - ❖ **System interface:** It is platform independent, any device with an active internet connection and aweb browser can run this

3.3.1 Functional requirements

- Admin shall login
- Admin shall add,teacher,student and class and modify them
- admin shall access all the data about student and teacher
- Admin shall manage the tuition activity
- Admin shall generate timetable
- Student shall login by his/her id
- Teacher shall login by his/her id
- Student shall view notes downloaded by teacher
- Parent shall login by his/her id

3.3.3 Performance requirements

The proposed system that we are going to develop will be used as the Chief performance system. Therefore,it is expected that the database would perform functionally all the requirements that are specified by the shop. The performance of the system should be fast and accurate. Response of the system to an operation should be within reasonable time. The system should be able to handle large amount of data. The systemshould also capable for updating program list, rules, adding/removing registered users etc.

3.3.4 Logical database requirements

- System should have installed with PHP as back end.

- Create different tables for user details(admin, teacher, student, parent), , subject details, attendancedetails, batch details.
- Insert valid data's to the created tables

3.3.5 Design constraints

The program is designed for every platform. Before accepting the system the developer will have to show through test cases that all conditions are satisfied. The total time that will be taken for the completion of theproduct is expected to be four months.. The program is designed for and will operate under the Ubuntu OS. Before accepting the system the developer will have to show through test cases that all conditions are satisfied. The design is reliable with any environment. The system may have to be maintained if the system needs an outline with upcoming generations.

3.3.6 Software system attributes

- **Reliability:** The software should not have any reliability issues. The software will be thoroughly testedand any issues resolved.
- **Availability:** The software will execute as a standalone system so as long as the machine is running, the program will be available. The key to maintaining availability will be by ensuring a connection to the database server is available. Failure to connect to the database will make data unavailable.
- **Security**: This software is intended to communicate over an internal network; therefore security is oflittle concern. The user will have to enter the username and password so the program can connect tothe database server. The username and password will not be stored because encryption of such information is outside the scope of the project.
- **Maintainability:** The software will be composed of various modules decreasing the complexity ofexpansion

❖ **Portability:** As states previously, this software will only run under the Windows OS. The setup file,setup.info, can be copied to

multiple machines so that each program does not have to be setup separately.

3.3.7 Organizing the specific requirements

In this system the overall functionality is organized by Data flow diagrams and E-R diagrams. Based on thesediagrams, data relationships and dependencies are found and a functional hierarchy is made for organizing the specific requirements.

3.3.8 Additional comments

Tuition Centre Management System is a tuition attendance and student performance tracking application. This system ease the work of the employee and admin as well as the student. All the required information canbe obtained at single place.

A system is most important if you want to maintain standard and correct tracks of the information in an institute and provide more security to the document if deploy correctly.

4. SOFTWARE SPECIFICATION

Software specification:Web Browser: All industry standard web browsers (Internet Explorer, Mozilla Firefox,Google Chrome, and Apple Safari)

- PHP Engine.
- Web Server (Apache HTTP Server 2.2/WAMP Server).
- Database server: MySQL Server 5.0 recommended
- Operating system:Linux,UNIX,Windows

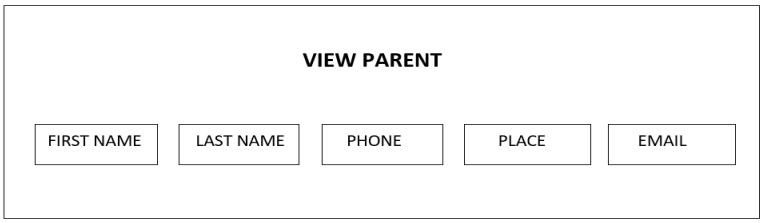
Hardware specification: PHP base software works well on any web-server that meets its software requirements specified above. This is definitely not a processor-hungry or memory-hungry application

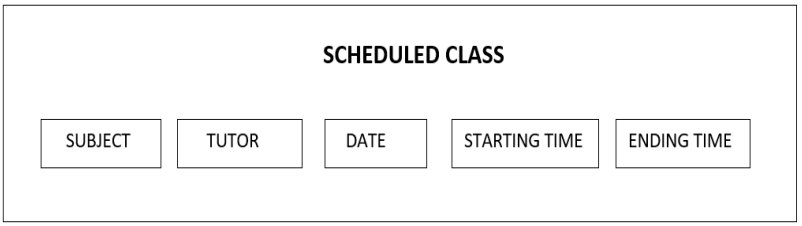
5. SYSTEM DESIGN

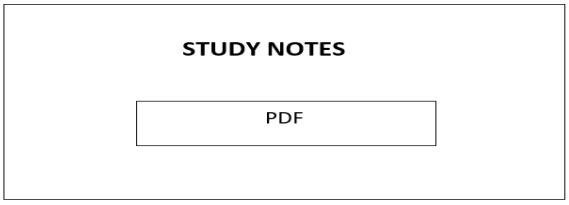
5.1 Introduction

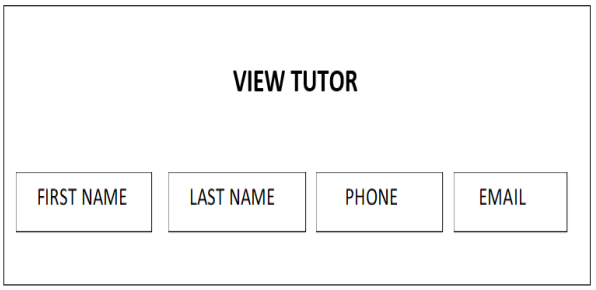
You operate a quality program—NOW you can be sure your records communicate that quality. Here realizes the need for an effective school management system and that is exactly what we are striving for! The Tuition Centre Management System will replace the paper-based data collection and information exchange system among the various departments of a particular school. The Tuition Centre Management System provides an innovative solution for Today's tuition class record- keeping challenges. This tuition class management system will give you room to handle your responsibilities whether you're just starting or are an experienced professional. The Tuition Centre Management System opens a universe of opportunities to automate the laborious paperwork involved in proper school management. With our proposed record-keeping software the admin can more effectively interact with the students as they develop skills and character for success. They will not only have more time to spend with them, but it will be quality time because they will have upto-date student information to facilitate them.

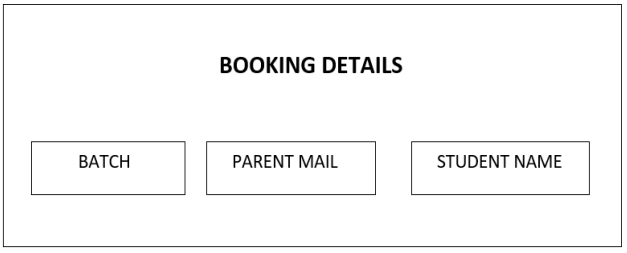
5.2 Output design

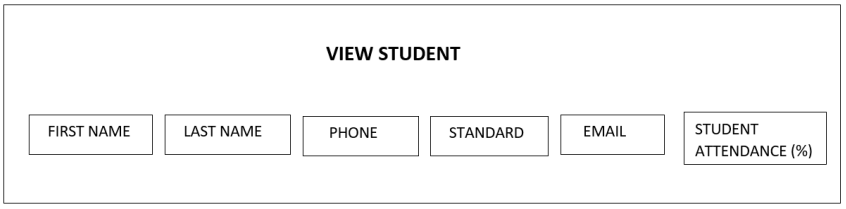




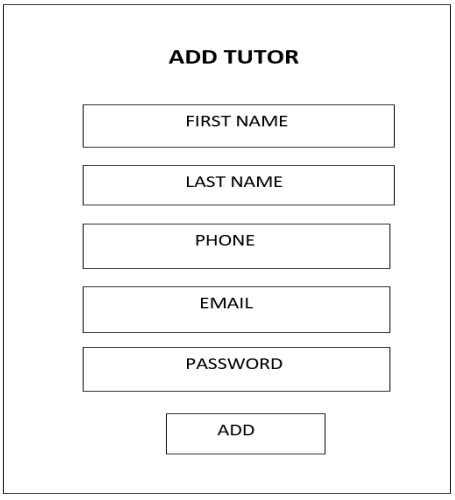


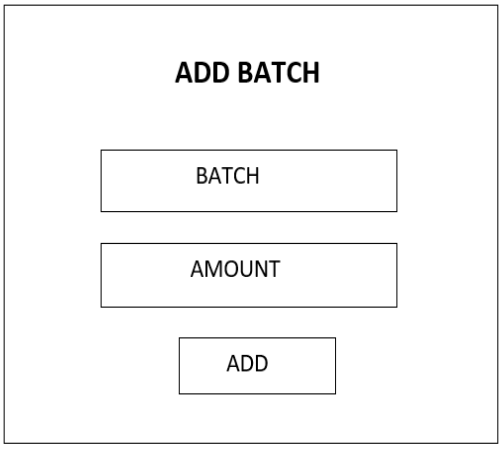






5.3 Input Design

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BATCH
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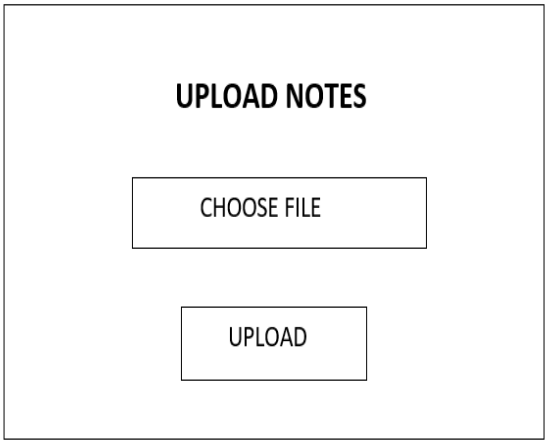
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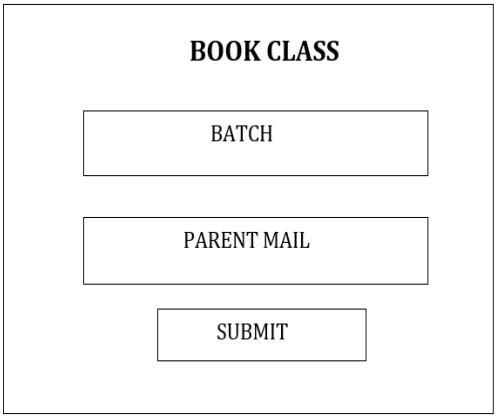
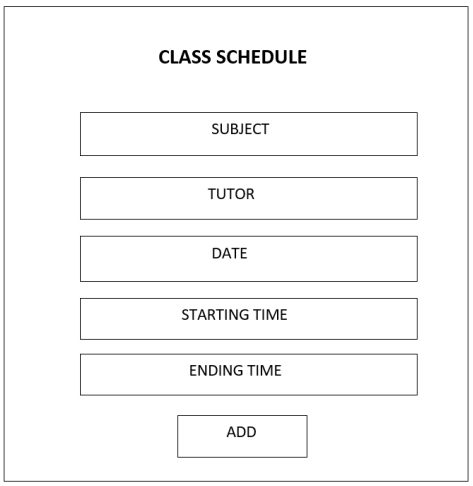
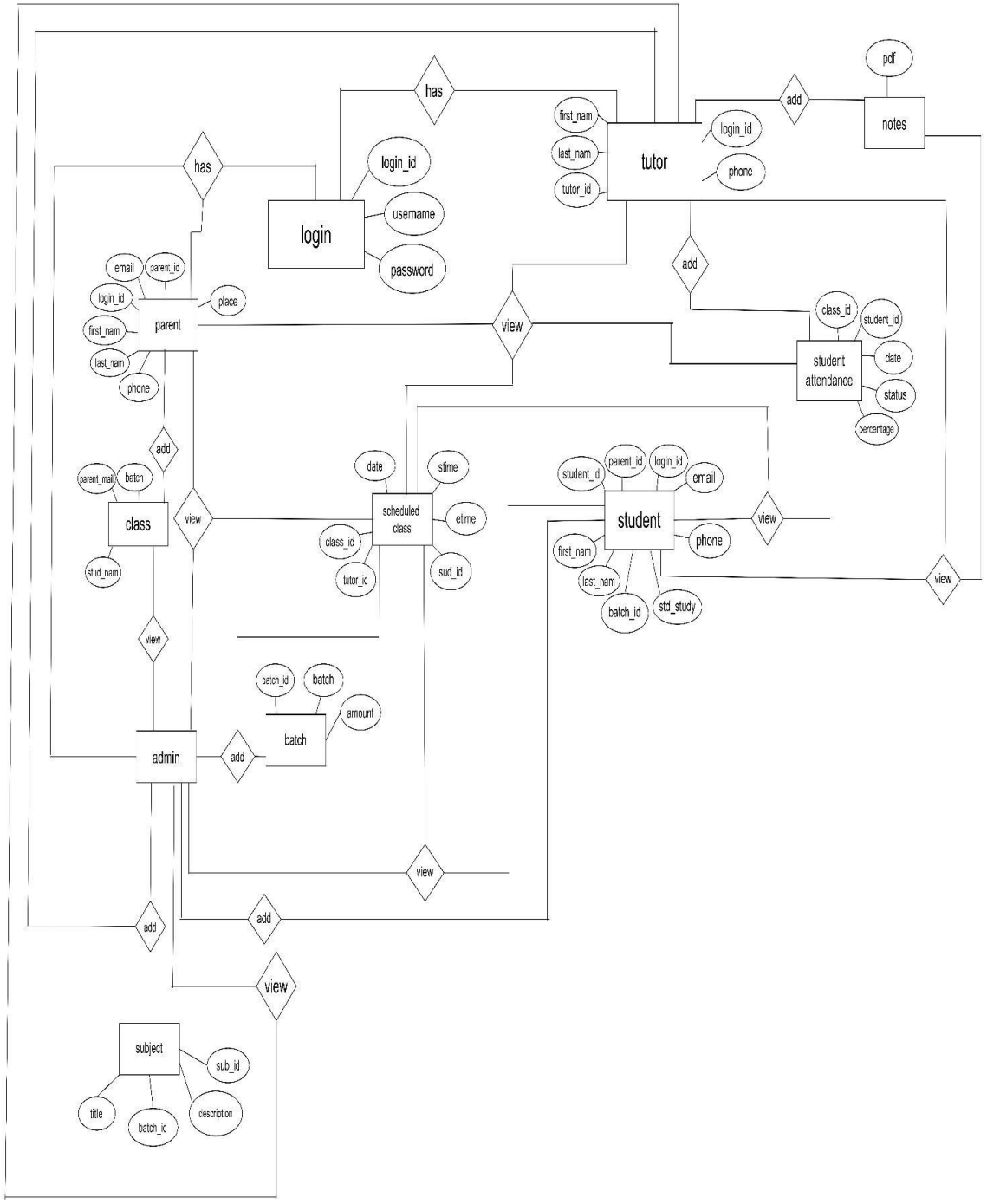
CHOOSE FILE
UPLOAD


BOOK CLASS
BATCH
PARENT MAIL
SUBMIT


CLASS SCHEDULE
SUBJECT
TUTOR
DATE
STARTING TIME
ENDING TIME
ADD

5.4 E R diagram



5.5 Database design

Login table

Field name	Data type	size	constraints	description
login_id	int	11	Primary key	Used to maintain a unique login for admin,tutor,student,parent
Username	Varchar	30	Not null	Username of respective user
Password	Varchar	30	Not null	password for respective user
user_type	varchar	30	Not null	Type of user try to login

Batch table

Field name	Data type	size	constraints	description
Batch_id	int	11	Primary key	Used to maintain a unique id for different classes of students
amount	int	10	Not null	Amount of batches
Batch name	Varachar	30	Not null	Name for different batches

Subject table

Field name	**Data type**	**size**	**constraints**	**description**
subject_id	int	11	Primary key	Id for different subject
batch	varchar	15	Not null	Name of the batch
Title	Varchar	30	Not null	Title for different subjects
Description	varchar	30	Not null	Description for respective subjects

Tutors table

Field name	**Data type**	**size**	**constraints**	**description**
tutor_id	int	11	Primary key	A unique id for tutor
first_name	Varchar	30	Not null	First name of tutor
last_name	varchar	30	Not null	Last name of tutor
Phone	varchar	30	Not null	Phone number of tutor
Email	varchar	30	Not null	Email of tutor

Parent table

Field name	Data type	size	Constraints	description
parent_id	int	11	Primary key	A unique id for parent
first_name	Varchar	30	Not null	First name of parent
last_name	varchar	30	Not null	Last name of parent
Phone	varchar	30	Not null	Phone number of parent
Email	varchar	30	Not null	Email of parent
Place	varchar	30	Not null	Place of parent

Student table

Field name	Data type	size	constraints	description
student_id	int	11	Primary key	A unique id for student
first_name	varchar	30	Not null	First name of student
last_name	varchar	30	Not null	Last name of student
standard_studying	varchar	30	Not null	Class in which student is studying
phone	int	10	Not null	Phone number of student
email	int	10	Not null	Email of the student
Attendance percentage	int	30	Not null	Percentage of class attendance

Class schedule table

Field name	Data type	size	constraints	description
class_id	int	11	Primary key	A unique id for each class
tutor_id	int	11	Not null	Unique id for tutor
batch_id	int	11	Not null	Used to maintain a unique idfor different classes of students
date	int	11	not null	Date in which class is scheduled
subject	varchar	10	Not null	Subject of the class
stime	varchar	30	Not null	Starting time of class
etime	varchar	30	Not null	Ending time of class
status	varchar	30	Not null	Whether student absent or not

Notes table

Field name	Data type	size	constraints	description
file_path	varchar	30	Not null	Path in which file is uploaded

Student attendance table

Field name	Data type	size	constraints	description
student_id	int	11	Primary key	Unique id for student
date_time	varchar	30	Not null	Date and time in which they attended
status	varchar	30	Not null	Is status of student is present/absent

5.6 Module description

ADMIN

- Add/Edit/view user accounts(teacher, student, parent).
- Add/view class, subjects, tutor, batches.
- Add/view class schedule.

TEACHER

- Add study materials/files to student.
- Add student attendance.
- View scheduled class.
- View student details.

STUDENT

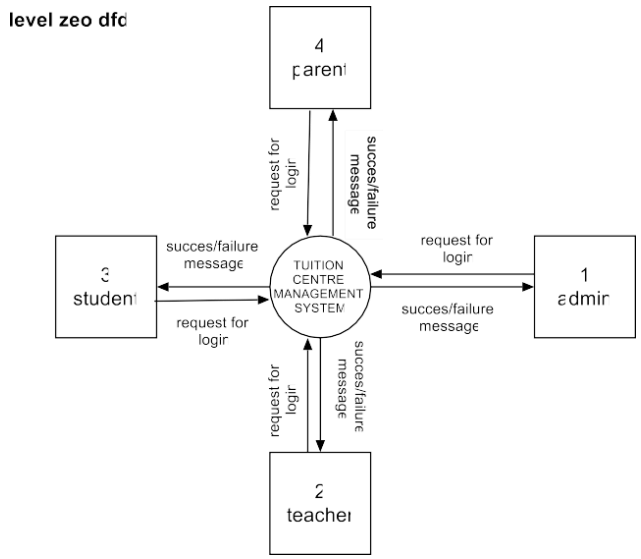
- view schedule.

- view tutors.
- view attendance
- view the study materials uploaded

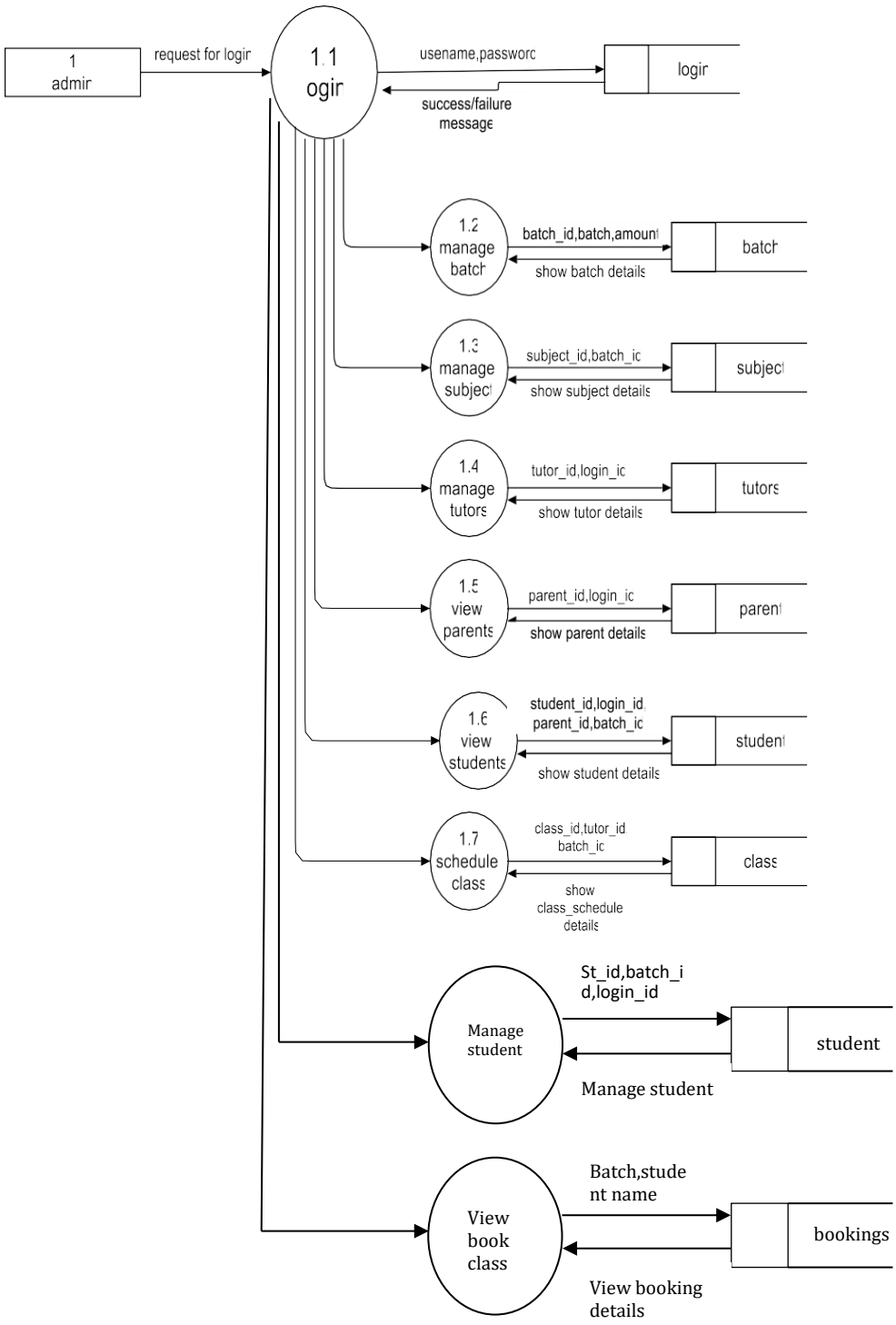
PARENTS

- view children attendance
- Add student.
- View class schedule.
- View tutor details.

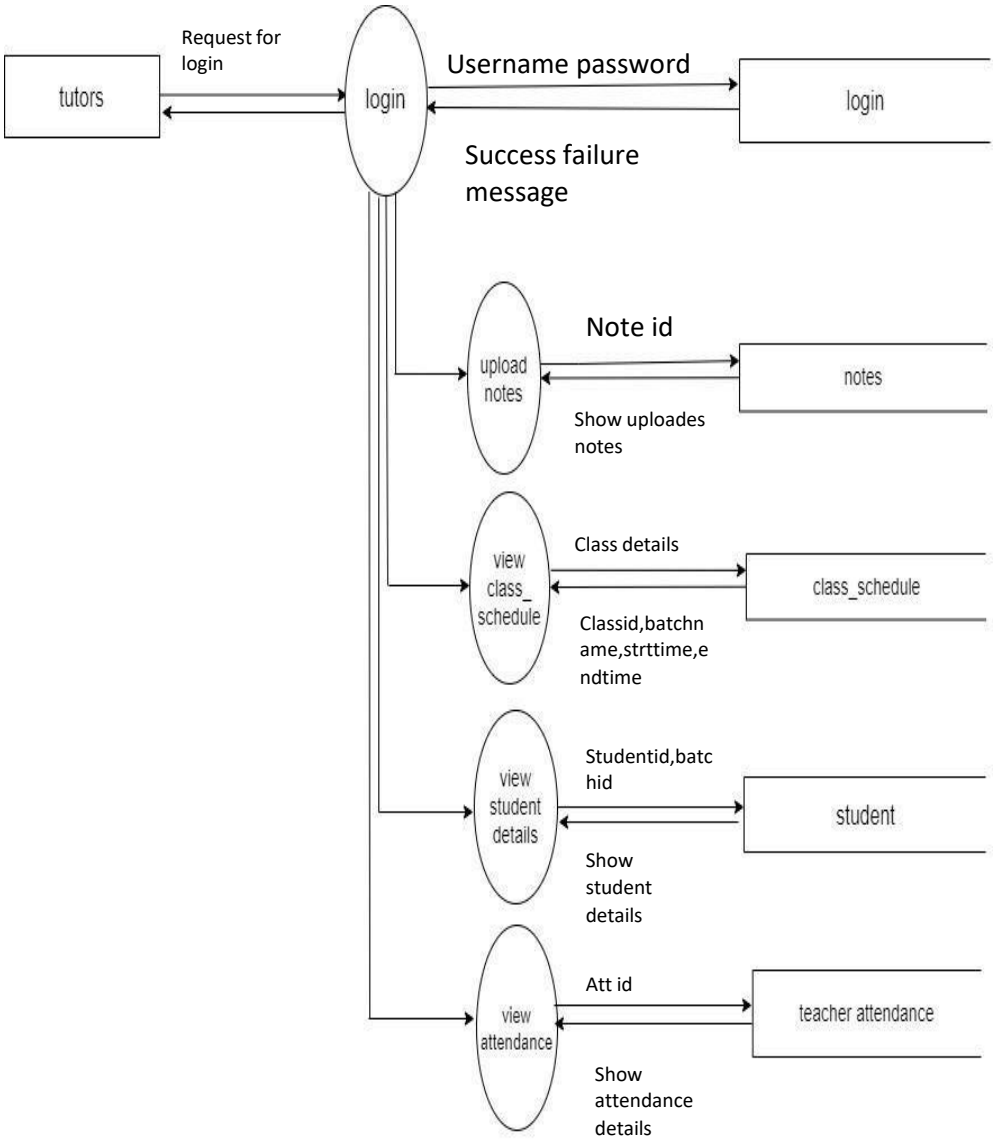
5.7 Data flow diagram



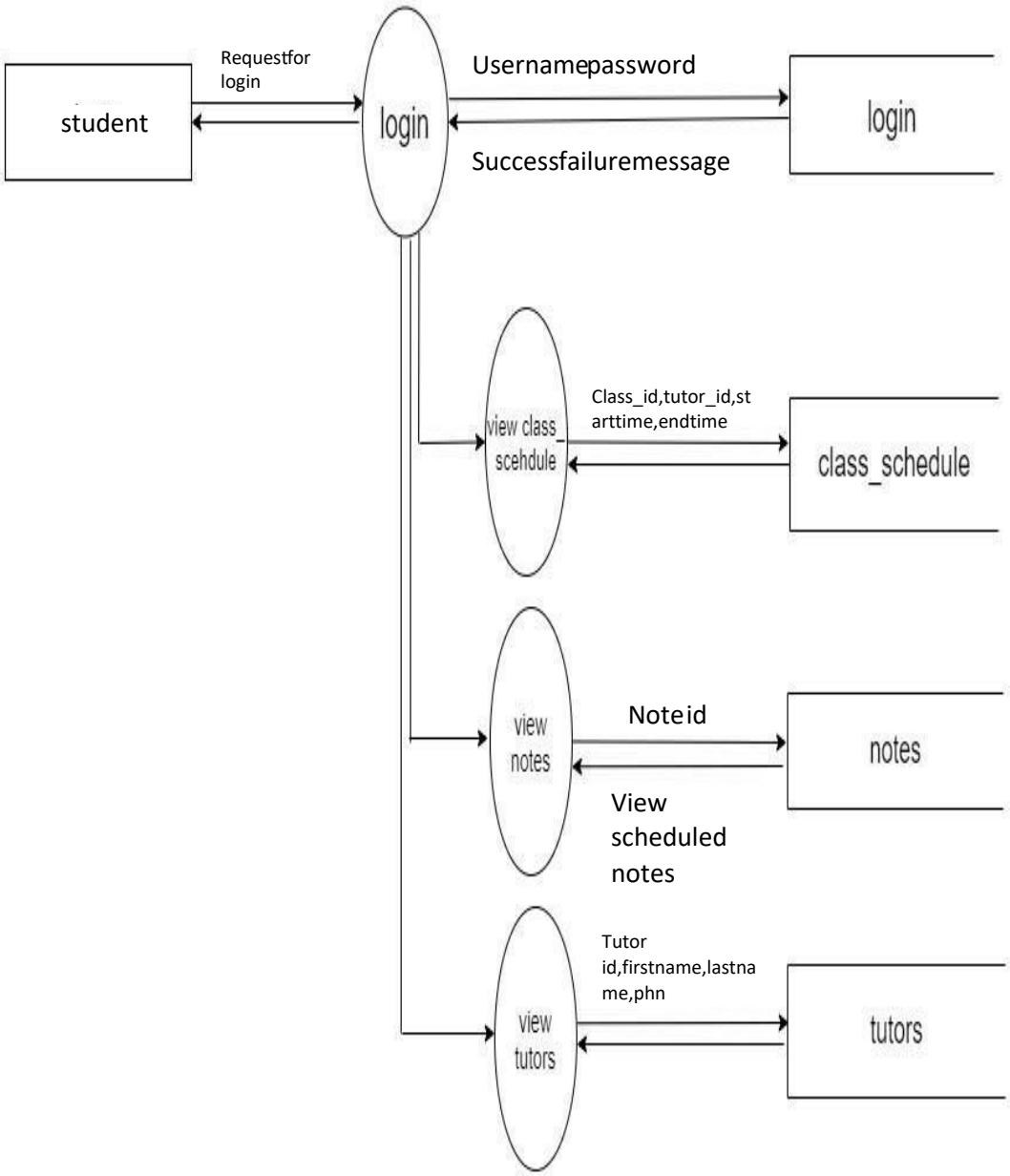
level 1 dfd:admin



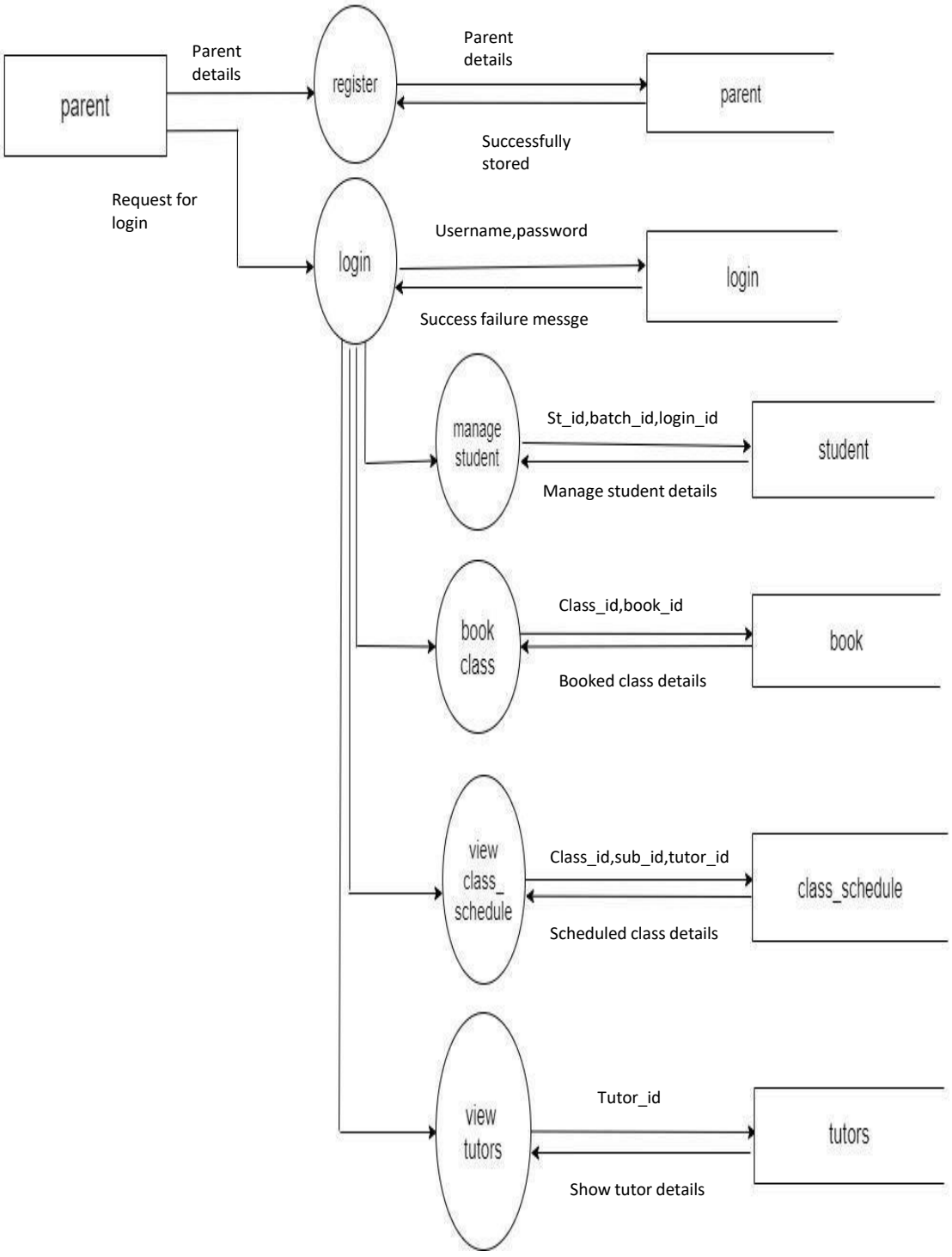
Level one dfd tutor



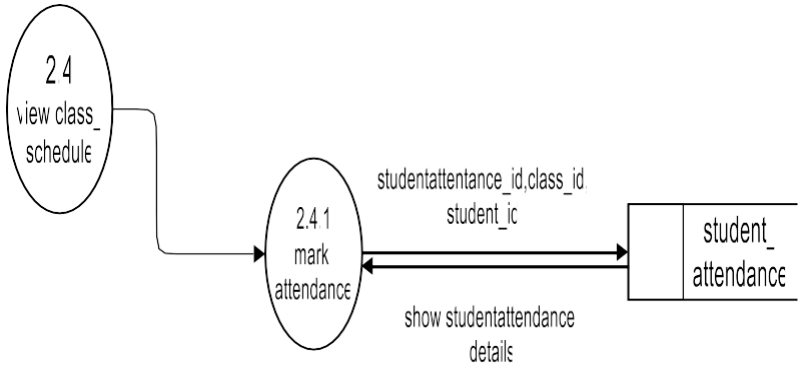
Level 1 dfd student



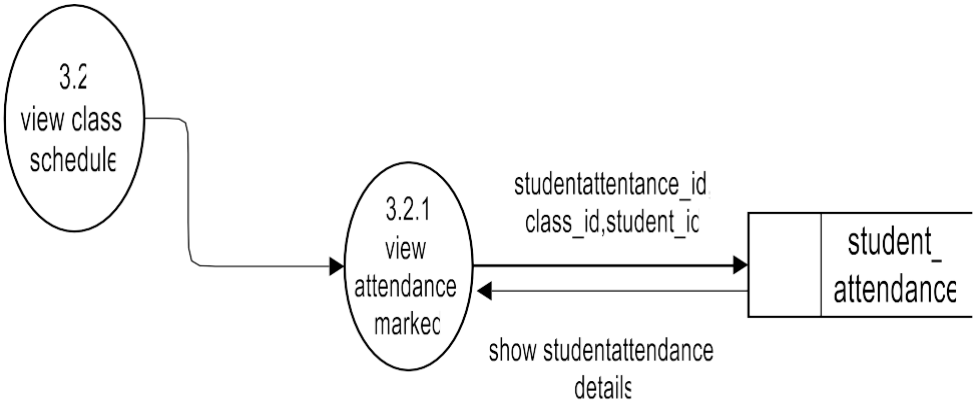
Level one dfd:tutor



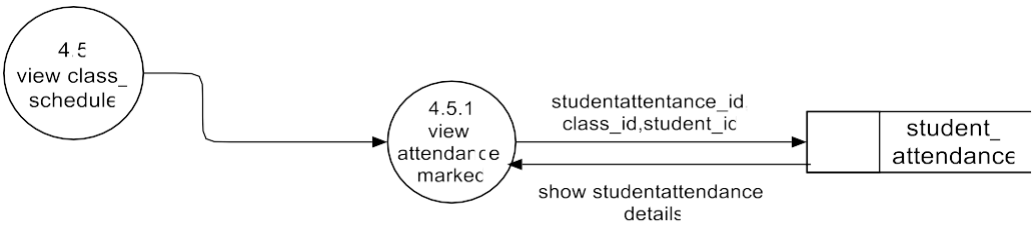
Level 2 tutor



Level 2 student



dfd level 2: parent



6. SYSTEM DEVELOPMENT

6.1 Process description

The proposed system is wholly computerized thus making it user friendlier. The system is more efficient, reliable, accurate and fast. The benefits of the proposed system are:

- It saves the precious time of teachers from regular admin works. This is achieved by automating theusual time-consuming tasks like time-table creation, attendance management, etc. The tuition management system can also generate different reports that help the teachers as well as admin and saves precious time in the process.
- Timetable creation is the most time-consuming activity within a school and with timetable module intuition system helps in creating and managing different types of timetables.

6.2 Source code

Student attendance

```
<?php
    include 'connection.php';
  ?>


<html>
<head>
 <CENTER>
<h1 style="color:white;"> STUDENT ATTENDANCE</h1>
</CENTER>



 <style>  body {
margin: 1rem;
background:url("");
```

```
  background-size:cover;          background-repeat:no-repeat;
  background-color:black;
}

table {


 --accent-color: #362f4b;
 --text-color: black;
 --bgColorDarker: white;
 --bgColorLighter: white;  --
insideBorderColor: lightgray;  width:
80%;  margin: 40;  padding: -10;  border:
1px solid var(--accent-color);  border-
collapse: collapse;  color: var(--text-
color);  table-layout: center;
}
table caption {  margin:
1rem 0;  color: slategray;
font-size: 1.5rem;  font-
weight: 600;  letter-spacing:
0.055rem;  text-align:
center;
}

table thead tr {  color: whitesmoke;
background-color: var(--accent-color);
font-size: 1rem;
}

table tbody tr {
border: 1px solid var(--insideBorderColor); background-color: var(--
bgColorDarker);
}
```

```
table tbody tr:nth-child(odd) { background-color:
var(--bgColorLighter);
}

table th { letter-spacing:
0.075rem;
}

table th, table td { padding:
0.75rem 1rem; font-
weight: normal; text-align:
center;
}

table th:nth-child(4), table
td:nth-child(4) { text-align:
center;
}

@media screen and (max-width: 768px) {
 table {
        border: none;
 }

 table caption {
        padding: 0.75rem 1rem;      border-
radius: 6px 6px 0 0;    color: whitesmoke;
 font-size: 1.35rem;    background-color: var(--
accent-color);
}

table thead {
        position: center;
        width: 1px;
 height: 1px;    clip: rect(0
0 0 0);  overflow: hidden;
```

```
}

table tbody tr {
        margin-bottom:          2rem;
display: center;

}

table td {
 font-size:  0.875rem;    text-
align: center;  display: block;
}

table td:before {        content:
attr(data-label);        font-size:
0.75rem;        font-weight: 600;
 letter-spacing: 0.075rem;       text-
transform: uppercase;  float: center;
 opacity: 0.5;
}

table td:not(:last-child) {
            border-bottom: 1px solid var(--insideBorderColor);

}
}
</style>
<body>
 <center>
<form action="" method="post">
 <?php echo $cur_date = date("Y-m-d"); ?>
  <table border="1">
   <tr>
     <th width="25%">id</th>
   <th width="25%">Student Name</th>
          <th width="25%">Attendance</th>
```

```
  </tr>
    <?php
    include 'connection.php';
    $q="SELECT * from students";
    $r=mysqli_query($con,$q);
   $i=1;

    while($s=mysqli_fetch_array($r))
    { ?>
 <input type="hidden" name="sid<?php echo $i;?>" value="<?php echo $s['studentid']; ?>">
 <input type="hidden" name="name<?php echo $i;?>" value="<?php echo $s['firstname']; ?>">

 <td><?php echo $s['studentid']; ?></td>
<td><?php echo $s['firstname']; ?></td>
 <td>
 <input type="radio" checked name="ab<?php echo $i;?>" value="absent">A
<input type="radio" name="ab<?php echo $i;?>" value="present">P

                                                    </td>
                                                </tr>
            <?php

              //////////////////////////

              if(isset($_POST['Submit']))
            {
                        echo "Haiiiiiiiiiiiiiiiiiiiiii";
                        $attend= $_POST['ab'.$i];
                       $sid= $_POST['sid'.$i];
 $name= $_POST['name'.$i];                  echo
$attend;
                                  // foreach($attend as $att){
 if($attend=="present"){

                                                $q="insert into studentattendance
values(null,".$sid.",'".$name."','present', now())";
```

```
                                        echo $q;
                                          $succ = mysqli_query($con,$q);
                                    } elseif($attend=="absent") {
                        $q="insert into studentattendance
values(null,".$sid.",'".$name."','absent', now())";
                                        echo $q;
                                          $succ = mysqli_query($con,$q);

                                    }

                                //        }
                                // }



          ////////////////////////


                        }

                    $i++; } ?>



</div>
  </table>  <br>
 <input type="submit" name="Submit" id="Submit"style="color: rgb(0, 0, 0);background:
#eeeaec;border-radius: 10px;"/>
  </form>
  </center>
</body>
</html>
```

Add tutor

```
<?php
Include("connection.php");
?>
<html>
  <head>
    <title>Add tutor</title>
    <style>*
    {
      font-family: 'Times New Roman', Times, serif; font-size:
      15px;
      color:black;
    }
    body{
```

```
ackground:url("images/pc-2.jpg");  backgroundsize:cover;
background-repeat:no-repeat;

        }
        fieldset      {   display:   block;
          margin-left:  450px;  margin-
          right:    450px;    margin-top:
          150px;  border-radius:  10px;
          background-color:          grey;
          padding: 5px 100px 5px 40px;
          height:350px;          padding-
          bottom: 50px; opacity: 0.9;


        }
        input {
          width:           100%;
          padding: 14px 55px;
          margin: 25px 0px;


          box-sizing:border-box;
          background-color:rgb(173,216,230);
        }

            </style>
          </head>
          <body>
```

```
<div>
    <fieldset style="margin-top:30px;height:620px">
    <h1 align="center" style="font-size: 30px;"> ADD TUTOR</h1>
    <form action="" method="post" name="register" >
        <label style="margin-left: 30px;margin-right: 70px;padding: 10px
20px;">
        <input type="text" name="firstname" placeholder="FIRST NAME"
style="margin-left:-5px;"><br>
        <input type="text" name="lastname" placeholder="LAST NAME"
style="margin-left:45px;"><br>
        <input type="text" name="phonenumber"
placeholder="PHONENUMBER" style="margin-left:45px;"><br>

        <input type="text" name="email" placeholder="EMAIL" style="margin-
left:45px;"><br>

        <input type="text" name="password" placeholder="PASSWORD"
style="margin-left:45px;"><br>

        <input type="Submit" name="add" value="ADD" size="100" style="color:
rgb(0, 0, 0);background: #f7f7f7;border-radius: 10px;margin-
left:115px;width:50%;">
    </fieldset></form></div>
</div>
</body>
</html>
<?php
if(isset($_POST['add']))
```

```
{
extract($_POST);
    $tfname=$_POST['firstname'];
    $tlname=$_POST['lastname'];
    $phn=$_POST['phonenumber'];
    $mail=$_POST['email'];
    $pswd=$_POST['password'];
    $q="INSERT INTO
tutors(first_name,last_name,phone,email)values('$tfname','$tlname','$phn','$m
ail')";
    if($con->query($q)===TRUE)
    {
     $q="INSERT INTO
login(username,password,usertype)values('$mail','$pswd','tutor')"; if($con-
>query($q)===TRUE)
      {
        Header("location:adminindex.php");
exit();
      }
else
     {
       echo" </br>Error";
  }
}

$con->close();
}
?>
```

Adminhome

```
<?php

Session_start();

Include("connection.php");

If(isset($_POST['login']))

$uname=$_POST['username  '];

$pwd=$_POST['password'];

$sql="select * from tutor where username='$uname' and password='$pwd'";

$data=mysqli_query($con,$sql);

If($data)

{

If(mysqli_num_rows($data)==1)

{
$row=mysqli_fetch_array($data);

If($row['username ']===$uname&&$row['password']===$pwd)

{
$SESSION['uname']=$row['uname'];

$SESSION['name']=$row['name'];

$SESSION['userid']=$row['userid'];
If($rowq['usertype']=='admin')

{
Header("location:admindashboard.html");

}

Exit();

}

Else

{
```

```
 Header("location:login.html?incorrect username or password");
Exit();
}
}
Else
{
Header("location:login.html?incorrect username or password");
Exit();
}
}
?>php
```

Admin index

```
<html>
  <head>
  <link href='https://images.unsplash.com/photo-1516979187457-637abb4f9353?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxzZWFyY2h8MTR8fGtub3dsZWRnZXxlbnwwfHwwfHw%3D&w=1000&q=80' rel='stylesheet' type='text/css'>

<style>
body {
    margin: 0;
    padding: 0;
}

  .header {
    background-color:#333333;
}
```

```
.container {
  max-width: 940px; margin:
  0 auto;
  padding: 0 10px;
}

.img {
  background: url(images/hme.jpg);
  background-size:cover;
  background-position:center
  center;       background-repeat:no-
  repeat; height: 700px;
}

.nav {
  margin: 0; padding:
  30px 0;

}

.nav li { display:inline; color: #fff;
  font-family: 'Raleway', sans-serif;
  font-weight: 500;
  font-size: 10px;
```

```
    text-transform:uppercase; margin-
    left:10px; margin-right:10px; word-
    spacing:3px;
  }

  .main {
    position: relative; top:
    180px;
    text-align: center;
}

  .main h1 { color: #333; font-family:
    'Raleway', sans-serif; font-
    weight: 600;
    font-size: 40px; margin-
    top: 0; margin-bottom:
    80px; text-transform:
    uppercase;

  }

  .btn-main {
    background-color: #333;
    color: #fff; font-family: 'Raleway',
    sans-serif; font-weight: 600;
    font-size: 18px; letter-spacing:
    1.3px; padding: 16px 40px;
```

```
    text-decoration: none;
    text-transform: uppercase;
}

ul li a{
    text-decoration:none;
    color:white;
}
ul li a:hover{ color:grey;
}
.topnav-right {
 font-size:       15px;
 float:              right;
 margin:    0    auto;
 margin-right:-
 60px; color: #fff;
}

.dropbtn{    display:inline;    color:
  #000000;  font-family:  'Raleway',
  sans-serif; font-weight: 500;
  font-size: 10px;
  text-transform:uppercase; margin-
  left:10px; margin-right:10px; word-
  spacing:10px;

}
```

```
.dropdown {
  position: relative;
  display: inline-block;
}
.dropdown-content
  {  display:  none;
  position: absolute;
  background-color:#333 ;
  font-family: 'Raleway', sans-serif; font-weight:
    500;
    font-size: 10px;
    text-
  transform:uppercase;
  margin-left:10px;  margin-
  right:10px;  word-
  spacing:10px;  box-
  shadow: grey; z-index: 1;
}

.dropdown-content a {
  color: #fff;
```

```
  padding:  12px  10px;
  text-decoration:
  none; display: block;
}

.dropdown-content a:hover {background-color: grey} .dropdown:hover
.dropdown-content { display: block;
}

.dropdown:hover  .dropbtn  {  background-
  color: #fff;
}

</style>
  </head>
  <body>
    <div class="header">
      <div class="container">
        <ul class="nav">

                    <li><a  href="index.php">HOME</a></li>
         <div class="dropdown">
  <li>ADD</li>
  <div class="dropdown-content">
    <a href="addbatch.php"> BATCH</a>
```

```
  <a href="addsubject.php">SUBJECT</a>
  <a href="addtutor.php">TUTOR</a>
  <a href="addstudent.php">STUDENT</a>
 </div>
</div>
            <li><a href="classschedule.php">CLASS SCHEDULE</a></li>
            <div class="dropdown">
 <li>VIEW</li>
 <div class="dropdown-content">
  <a href="viewparents.php"> PARENT</a>
  <a  href="viewstudents.php">STUDENT</a>
  <a href="viewtutors.php">TUTOR</a>
 </div>
</div>
            <li><a  href="viewbookings.php">BOOKINGS</a></li>
            <li><a href="manage.php">MANAGE PROFILES</a></li>
            <li><a  href="tutorattendance.php">ATTENDANCE</a></li>
       <li><a  href="index.php"  class="topnav-right">LOGOUT</a></li>
      </ul>
    </div>
  </div>
  <div class="img">
    <div class="container">
      <div class="main">
        <h1>WELCOME ADMIN</h1>
      </div>
```

```
    </div>
  </div>
 </body>
</html
```

Book class

```
<?php              include
'connection.php';
?>

<html>
<head>
        <title>batch and amount</title>
        <style>
                body{ background:url("images/pc-
            4.jpg"); background-size:cover;
                backgroundrepeat:no-repeat;

}
fieldset {display:  block;
 margin-left:      450px;
 margin-right:    450px;
 margin-top:       80px;
 border-radius:    10px;
 background-color:
 grey;    padding:    5px
 40px;     height:350px;
```

```
  padding-bottom:
  120px; opacity: 0.9;
}
input {
  width:            100%;
  padding: 14px 55px;
  margin: 25px 0px;

  box-sizing:border-box;
   background-color:rgb(173,216,230);

}
a:hover
{
    color:white; background:black;

}
            </style>
</head>
<body>
            <table>
              <tr>
                  <th>BATCH NAME</th>
                  <th>AMOUNT</th>
              </tr>
```

```
            <?php
        include 'connection.php';

        $q="SELECT batchname,amount from batches where id='0'";

        $r=mysqli_query($con,$q);

        while($s=mysqli_fetch_array($r))

        {
echo '<tr>';
echo '<td>'.$s['batchname'].'</td>';
echo '<td>'.$s['amount'].'</td>';


      echo '</tr>';

        }

            ?>

     </table>

</body>

</html>

<?php
```

Class schedule

```
<?php

Include("connection.php");

?>

<html>

   <head>

      <title>CLASS SCHEDULE</title>

      <style>*

      {

         font-family: 'Times New Roman', Times, serif;
```

```
            font-size: 15px; color:black;
        }
        body{
                    background:url("images/2.jpg"); background-
                    size:cover; background-repeat:no-repeat;

}
fieldset  { display: block;
  margin-left:       450px;
  margin-right:     510px;
  border-radius:     10px;
  background-color:
  grey;    margin-bottom:
  30px; opacity: 0.9;


}
input    {
  width:              80%;
  padding: 6px 55px;
  margin: 25px 0px;


  box-sizing:border-box;
   background-color:rgb(173,216,230);
}
        </style>
```

```
</head>
<body>

<div>
    <fieldset style="margin-top:50px;height:590px">
    <h1 align="center" style="font-size: 30px;"> CLASS SCHEDULE</h1>
    <form action="" method="post" name="class schedule" >

        <label style="margin-left: 30px;margin-right: 30px;padding: 1px
20px;">

        <input type="text" name="subject" placeholder="SUBJECT"
style="margin-left:-5px;"><br>
        <input type="text" name="tutor" placeholder="TUTOR" style="margin-
left:45px;"><br>
        <input type="date" name="date" placeholder="DATE" style="margin-
left:45px;"><br>
         <input type="text" name="stime" placeholder="START TIME"
style="margin-left:45px;"><br>
        <input type="text" name="etime" placeholder="END TIME"
style="margin-left:45px;"><br>




        <input type="Submit" name="add" value="ADD" size="100" style="color:
rgb(0, 0, 0);background: #f7f7f7;border-radius: 10px;margin-
left:115px;width:50%;">
    </fieldset></form></div>
</div>
</body>
```

```
</html>

<?php

if(isset($_POST['add']))

{
extract($_POST);

   $sub=$_POST['subject'];

   $tut=$_POST['tutor'];

   $dte=$_POST['date'];

   $stm=$_POST['stime'];

   $etm=$_POST['etime'];

   $q="INSERT                                                    INTO
class_schedule(subject,tutor,date,stime,etime)values('$sub','$tut','$dte','$stm','
$etm')";

   if($con->query($q)===TRUE)


    {
      Header("location:adminindex.php");

exit();

    }
else

   {
echo" </br>Error in inserting";

  }
}


$con->close();


?>
```

Connection

```
<?php
$con=mysqli_connect('localhost','root','','tution');
?>
```

Delete parent

```
<?php
Include("connection.php");
?>
<html>
   <head>
      <title>delete parent</title>
      <style>*
      {
         font-family: 'Times New Roman', Times, serif; font-size:
         15px;
         color:#FFFFFF;
      }
body{
                  background:url("images/b1.jpg"); background-
                  size:cover; background-repeat:no-repeat;


}
fieldset {display:   block;
  margin-left:        450px;
```

```
  margin-right:      450px;
  margin-top:        150px;
  border-radius:     10px;
  background-color: blue;
  padding:    5px    40px;
  height:350px;  padding-
  bottom:  50px;  opacity:
  0.9;

}
input {
  width:             100%;
  padding: 14px 55px;
  margin: 25px 0px;

  box-sizing:border-box;
   background-color:rgb(173,216,230);

}
      </style>
    </head>
    <body>

    <div>
       <fieldset style="margin-top:90px;height:480px">
      <h1 align="center" style="font-size: 30px;"> DELETE PARENT</h1>
```

```
<form action="" method="post" name="register" >

<label style="margin-left: 30px;margin-right: 30px;padding: 1px
20px;">

<input type="text" name="parentid" placeholder="PARENT ID"
style="margin-left:-5px;"><br>

<input type="Submit" name="delete" value="DELETE" size="100"
style="color: rgb(0, 0, 0);background: #f7f7f7;border-radius: 10px;margin-
left:115px;width:50%;">

</fieldset></form></div>

</div>

</body>

</html>

<?php

if(isset($_POST['delete']))

{

$pid=$_POST['parentid'];

if(!$con)

die("connection failed".mysqli_connect_error());

$sql="delete from parents where parentid=$pid";

if(mysqli_query($con,$sql)) echo "</br>deleted

successfully";

else

echo "deletion failed";

mysqli_close($con);

}
```

index

```
<html>
 <head>
  <link href='https://images.unsplash.com/photo-1516979187457-
637abb4f9353?ixlib=rb-
4.0.3&ixid=MnwxMjA3fDB8MHxzZWFyY2h8MTR8fGtub3dsZWRnZXxlbnwwfH
wwfHw%3D&w=1000&q=80' rel='stylesheet' type='text/css'>
<style>
body {
  margin: 0;
padding: 0;
}

 .header {
  background-color:#333333;
}

 .container {
  max-width: 940px; margin:
  0 auto;
  padding: 0 10px;
 }
 .img {
  background: url(images/hme.jpg);
  background-size:cover;
  background-position:center
  center;  background-repeat:no-
  repeat; height: 700px;
 }
```

```
.nav {
  margin: 0;
  padding: 20px 0;
}

.nav li { display:inline; color: #fff;
  font-family: 'Raleway', sans-serif;
  font-weight: 600;
  font-size: 12px;
  text-transform:uppercase; margin-
  left:10px;
  margin-right:10px;
}

.main {
  position: relative;
  top: 180px; text-
  align: center;

}

.main h1 { color: #333; font-family:
  'Raleway', sans-serif; font-
  weight: 600; font-size: 70px;
  margin-top: 0; margin-bottom:
  80px;
  text-transform: uppercase;
}
```

```
.btn-main  {
  background-color: #333;
  color: #fff; font-family: 'Raleway',
  sans-serif;  font-weight:  600;
  font-size:  18px;  letter-spacing:
  1.3px; padding: 16px 40px;
  text-decoration: none;
  text-transform: uppercase;
}
ul li a{
  text-decoration:none;
  color:white;
}
ul li a:hover{ color:grey;
}

</style>
</head>
<body>
  <div class="header">
    <div class="container">
      <ul class="nav">

            <li><a  href="index.php">HOME</a></li>
    <li><a  href="parentregister.php">PARENT  REGISTRATION</a></li>
```

```
      </ul>
    </div>
  </div>

  <div class="img">
    <div class="container">
      <div class="main">
        <h1>T-CENTER</h1>
        <a href="login.php" class="btn-main">LOGIN</a>
      </div>
    </div>
  </div>


 </body>
</html>
```

Login

```
<?php
Session_start();
Include("connection.php");
?>
<html>
  <head>
      <title>login</title>
      <style>*
```

```
        {
            font-family: 'Times New Roman', Times, serif;
            font-size: 15px; color:black;

        }
body{
                    background:url("images/lgn.jpg"); background-
                    size:cover; background-repeat:no-repeat;

    }
    fieldset {display: block;
      margin-left:      450px;
      margin-right:     450px;
      margin-top:       150px;
      border-radius:     10px;
      background-color: blue;
      padding:   5px   40px;
      height:350px; padding-
      bottom: 50px; opacity:
      0.9;

    }
    input {
```

```
  width:              100%;
  padding: 15px 55px;
  margin: 25px 0px;

  box-sizing:border-box;
  background-color: rgb(173,216,230);

}
a:hover
{
    color:white; background:black;

}
        </style>
    </head>
    <body>

    <div>

        <form action="" method="post" name="login" >

            <fieldset >
                <h1 align="center" style="font-size: 30px;">LOGIN</h1>
            <input type="text" name="username" placeholder="USERNAME"><br>
```

```
        <input type="Password" name="password" placeholder="PASSWORD"><br>

        <a href="admindashboard.html"><input type="Submit" name="Login" value="LOGIN" size="200" style="color: rgb(0, 0, 0);background: #eeeaec;border-radius: 10px;"></a></fieldset></form></div>

    </div>

    </body>

</html>
<?php

If(isset($_POST['Login']))

{

$mail=$_POST['username'];

$pswd=$_POST['password'];

$sql="select * from login where username='$mail' and password='$pswd'";

$data=mysqli_query($con,$sql);

If($data)

{

If(mysqli_num_rows($data)==1)

{
$row=mysqli_fetch_array($data);

If($row['username']===$mail&&$row['password']===$pswd)

{
$_SESSION['username']=$row['username'];

$_SESSION['password']=$row['password'];

$_SESSION['id']=$row['id'];

If($row['usertype']=='admin')

{

Header("location:adminindex.php");
```

```
exit();

}

if($row['usertype']=='parent')

{
Header("location:parentindex.php");

exit();
}

if($row['usertype']=='tutor')

{

Header("location:tutorindex.php");

exit();

}

if($row['usertype']=='student')

{

Header("location:studentindex.php");

}

Else

{
Header("location:login.php?incorrect username or password");

Exit();

}

}

}

}

}

?>php
```

Logout

```
<?php session_start();
session_unset();
session_destroy();
header("Location:index.php")
; ?>
```

Parent register

```
<?php
Include("connection.php");
?>
<html>
   <head>
      <title>Add student</title>
      <style>*
      {
         font-family: 'Times New Roman', Times, serif; font-size:
         15px;
         color:black;
      }
body{
                  background:url("images/1.jpg"); background-
                  size:cover; background-repeat:no-repeat;
               opacity:0.9;
   }
```

```
fieldset {display: block;
  margin-left:      400px;
  margin-right:    510px;
  border-radius:    10px;
  background-
  color:grey;      margin-
  bottom:30px;



}
input   {
  width:  80%;  padding:  6px  55px;
  margin: 10px 0px; box-sizing:border-
  box;                          background-
  color:rgb(173,216,230);



}
        </style>
    </head>
    <body>

    <div>
        <fieldset style="margin-top:70px;height:455px">
        <h1 align="center" style="font-size: 30px;"> REGISTER PARENTS</h1>
        <form action="" method="post" name="add student" >
```

```
<label style="margin-left: 30px;margin-right: 30px;padding: 1px
20px;">


<input type="text" name="first" placeholder="FIRST NAME"
style="margin-left:-5px;"><br>

<input type="text" name="last" placeholder="LAST NAME" style="margin-
left:45px;"><br>
<input type="text" name="phonenumber"
placeholder="PHONENUMBER" style="margin-left:45px;"><br>

<input type="text" name="place" placeholder="PLACE" style="margin-
left:45px;"><br>

<input type="text" name="mail" placeholder="EMAIL" style="margin-
left:45px;"><br>

<input type="text" name="pwd" placeholder="PASSWORD"
style="margin-left:45px;"><br>


<input type="Submit" name="add" value="ADD" size="100" style="color:
rgb(0, 0, 0);background: #f7f7f7;border-radius: 10px;margin-
left:115px;width:50%;">

</fieldset></form></div>

</div>

</body>

</html>

<?php

if(isset($_POST['add']))

{
extract($_POST);

$pfname=$_POST['first'];

$plname=$_POST['last'];
```

```
    $phn=$_POST['phonenumber'];

    $plc=$_POST['place'];

    $mail=$_POST['mail'];

    $pswd=$_POST['pwd'];
    $q="INSERT INTO
parents(firstname,lastname,phone,place,email)values('$pfname','$plname','$ph
n','$plc','$mail')";

    if($con->query($q)===TRUE)

    {

     $q="INSERT INTO
login(username,password,usertype)values('$mail','$pswd','parent')"; if($con-
>query($q)===TRUE)

      {
        Header("location:parentindex.php");
exit();

      }
else

      {
echo" </br>Error";

    }
}


$con->close();

}

?>

Student attendance

<?php

if(isset($_POST['Submit']))
```

```
{
                $attend= $_POST['ab'];




}

?>
<html>
<body>
<form action="" method="post">
            <?php echo $cur_date = date("Y-m-d"); ?>
            <table border="1">
              <tr>
      <th width="25%">id</th>
              <th width="25%">Student Name</th>
            <th width="25%">Attendance</th>
              </tr>
      <?php
      include 'connection.php';
      $q="SELECT * from students";
      $r=mysqli_query($con,$q);
              $i=1;
      while($s=mysqli_fetch_array($r))
      { ?>
```

```
                <tr>
                                                    <td><?php echo $s['studentid'];
?></td>
                                                    <td><?php echo $s['firstname'];
?></td>

                                                    <td>
                                                        <input type="hidden"
name="hid_id[<?php echo $i;?>]" id="hid_id[<?php echo $i;?>]" value="<?php
echo $s['studentid']; ?>" />
                                                        <input type="radio"
name="ab[<?php echo $i;?>]" value="present">P
                                                        <input type="radio"
name="ab[<?php echo $i;?>]" value="absent">A
                                                    </td>
                                                </tr>
                <?php $i++; } ?>


            </div>
    </table>
            <br>
            <input type="submit" name="Submit" id="Submit"/>
              </form>
```

```
</body>
</html>
```

Tutor index

```
<html>

  <head>

    <link href='https://images.unsplash.com/photo-1516979187457-
637abb4f9353?ixlib=rb-
4.0.3&ixid=MnwxMjA3fDB8MHxzZWFyY2h8MTR8fGtub3dsZWRnZXxlbnwwfH
wwfHw%3D&w=1000&q=80' rel='stylesheet' type='text/css'>


<style>

body {

    margin: 0;
padding: 0;
}


  .header {

    background-color:#333333;
}


  .container {

    max-width: 940px; margin:

    0 auto;

    padding: 0 10px;
}


  .img {
    background:  url(images/hme.jpg);

    background-size:cover;
```

```
  background-position:center
  center;       background-repeat:no-
  repeat; height: 700px;
 }

 .nav            {
  margin: 0;
  padding: 30px 0;
}

 .nav li { display:inline; color: #fff;
  font-family: 'Raleway', sans-serif;
  font-weight: 500;
  font-size: 10px;
  text-transform:uppercase; margin-
  left:10px; margin-right:10px; word-
  spacing:10px;
 }

 .main {
  position: relative;
  top: 180px; text-align:
  center;

 }

 .main h1 { color: #333; font-family:
  'Raleway',      sans-serif;      font-
```

```
    weight: 600; font-size: 40px;
    margin-top: 0; margin-bottom:
    80px;
    text-transform: uppercase;
}

.btn-main {
    background-color: #333;
    color: #fff; font-family: 'Raleway',
    sans-serif; font-weight: 600;
    font-size: 18px; letter-spacing:
    1.3px; padding: 16px 40px;
    text-decoration: none;
    text-transform: uppercase;
}
ul li a{
    text-decoration:none;
    color:white;
}
ul li a:hover{ color:grey;
}
.topnav-right { font-
 size: 15px; float:
 right; margin: 0
 auto; margin-
 right:-40px; color:
 #fff;
```

```
}

</style>
 </head>
 <body>
   <div class="header">
     <div class="container">
       <ul class="nav">

                    <li><a  href="index.php">HOME</a></li>

         <li><a href="studentattendance.php">ADD ATTENDANCE</a></li>

         <li><a href="uploadfiles.php">UPLOAD NOTES</a></li>
         <li><a    href="viewscheduledclass.php">SCHEDULED    CLASS</a></li>

         <li><a  href="viewstudent.php">STUDENT  DETAILS</a></li>



         <li><a  href="index.php"  class="topnav-right">LOGOUT</a></li>

       </ul>

     </div>

   </div>

   <div class="img">

     <div class="container">

       <div class="main">

         <h1>WELCOME TUTOR</h1>

       </div>

     </div>
```

```
   </div>
  </body>
</html
```

Student update

```
<?php
Include("connection.php");
?>
<html>
   <head>
      <title>update student</title>
      <style>*
      {
         font-family: 'Times New Roman', Times, serif;
         font-size: 15px; color:#FFFFFF;
      }
           body{
background:url("https://t3.ftcdn.net/jpg/02/61/49/88/360_F_261498805_fF
MmpLGGXoamk71RixaZu60LIyJqXbO3.jpg");
                  background-size:cover;          background-repeat:no-
                  repeat;
               opacity:0.9;
}
fieldset   { display: block; margin-
  left: 400px; margin-right: 510px;
  border-radius: 10px; background-
```

```
  color: rgb(42, 44, 44); margin-
  bottom:30px;


}
input  {
  width: 80%; padding: 6px 55px;
  margin: 17px 0px; box-
  sizing:border-box; background-
  color:rgb(63, 64, 65); }

      </style>
   </head>
   <body>

   <div>
      <fieldset style="margin-top:90px;height:480px">
      <h1 align="center" style="font-size: 30px;"> UPDATE STUDENT</h1>
      <form action="" method="post" name="register" >

         <label style="margin-left: 30px;margin-right: 30px;padding: 1px
20px;">

         <input type="text" name="studentid" placeholder="STUDENT ID"
style="margin-left:-5px;"><br>

         <input type="text" name="first" placeholder="FIRST NAME"
style="margin-left:-5px;"><br>

         <input type="text" name="last" placeholder="LAST NAME" style="margin-
left:45px;"><br>

         <input type="text" name="standard" placeholder="STANDARD
```

```
STUDYING" style="margin-left:45px;"><br>
        <input type="text" name="phonenumber" placeholder="PHONENUMBER" style="margin-left:45px;"><br>
        <input type="text" name="email" placeholder="EMAIL" style="margin-left:45px;"><br>

        <input type="text" name="pwd" placeholder="PASSWORD" style="margin-left:45px;"><br>
        <input type="Submit" name="update" value="UPDATE" size="100" style="color: rgb(0, 0, 0);background: #f7f7f7;border-radius: 10px;margin-left:115px;width:50%;">
      </fieldset></form></div>
  </div>
  </body>
</html>
<?php
if(isset($_POST['update']))
{
extract($_POST);
  $sid=$_POST['studentid'];
  $sfname=$_POST['first'];
  $slname=$_POST['last'];
  $std=$_POST['standard'];
  $phn=$_POST['phonenumber'];
  $mail=$_POST['email'];
  $pswd=$_POST['pwd'];
  if(!$con)
die("Connectionfailed".mysqli_connect_error());
```

```
$sql="update students set
firstname='$sfname',lastname='$slname',stdstudying='$std',phone=$phn,email
='$mail' where studentid=$sid"; if(mysqli_query($con,$sql))

$sql="INSERT INTO
login(username,password,usertype)values('$mail','$pswd','student')";

if(mysqli_query($con,$sql))

echo"</br>Updated Successfully"; else

echo"</br>Error in Updating";

mysqli_close($con);

}
```

Upload files

```
<?php

Include("connection.php");

?>

<html>


   <head>

      <title>Add batch</title>

      <style>*

      {

         font-family: 'Times New Roman', Times, serif;

         font-size: 15px; color:#FFFFFF;



      }
body{
```

```
                background:url("images/gallery5.jpg"); background-
                size:cover; background-repeat:no-repeat;


}
fieldset {
  display: block; margin-
  left: 450px; margin-
  right: 450px; margin-
  top: 150px; border-
  radius: 10px;
  background-color: blue;
  padding: 5px 40px;
  height:350px; padding-
  bottom: 50px; opacity:
  0.9;

}
input {
  width: 100%;
  padding: 14px 55px;
  margin: 25px 0px;

  box-sizing:border-box;
   background-color:rgb(173,216,230);

}
```

```
}
a:hover
{
   color:white; background:black;
   }

      </style>
   </head>
   <body>

   <div>

      <form class=" " action="uploadfiles.php" method="post" name="uploadfiles"
>

         <fieldset style="height:350;" >
            <h1 align="center" style="font-size: 30px;">ADD NOTES</h1>
         <input type="file" name="pdf" value=""><br><br>
         <input type="Submit" name="submit" value="upload" size="200"
style="color: rgb(0, 0, 0);background: #eeeaec;border-radius:
10px;"></a></fieldset></form></div>
   </div>
   </body>
</html>
      <?php
```

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

            $pdf=$_FILES['pdf']['name'];

           $pdf_type=$_FILES['pdf']['type'];
          $pdf_size=$_FILES['pdf']['size'];

          $pdf_tem_loc=$_FILES['pdf']['tmp_name'];

          $pdf_store= "pdf/".$pdf;


          move_uploaded_file($pdf_tem_loc,$pdf_store);


          $sql="insert into pdffile(pdf) values('$pdf')";

          $query=mysqli_query($con,$sql);



        }

  ?>

</html>
```

View parents

```
<?php

include 'connection.php';

?>


<html>

<head>

            <title>PARENT DETAILS</title>

            <style>  body  {  margin:  1rem;

            background:url("images/1.jpg");
```

```
            background-size:cover;
            background-repeat:no-repeat;
        }

        table {
            --accent-color: #362f4b;
            --text-color: slategray;
            --bgColorDarker: #ececec;
            --bgColorLighter: #fcfcfc;
            --insideBorderColor: lightgray;
            width: 100%;
            margin: 0;
padding: 0;
            border: 1px solid var(--accent-color);
            border-collapse: collapse; color:
            var(--text-color); table-layout: fixed;
        }

        table caption {
            margin: 1rem 0; color:
            slategray; font-size:
            1.5rem; font-weight: 600;
            letter-spacing: 0.055rem;
            text-align: center;
        }
        table thead tr {
            color: whitesmoke;
```

```
            background-color:   var(--accent-color);   font-
            size: 1rem;
    }

    table tbody tr {
            border:  1px  solid  var(--insideBorderColor);  background-
            color: var(--bgColorDarker);
    }

    table tbody tr:nth-child(odd) {
background-color: var(--bgColorLighter);
}

    table th {
letter-spacing: 0.075rem;
}

    table      th,
    table td {
            padding: 0.75rem 1rem;
            font-weight:      normal;
            text-align: left;
    }
    table     th:nth-child(4),
    table td:nth-child(4) {
            text-align: right;
}

    @media screen and (max-width: 768px) {
```

```
table {
    border: none;
}

table caption {
    padding: 0.75rem 1rem;
    border-radius: 6px 6px 0 0;
    color: whitesmoke;
    font-size: 1.35rem;
background-color: var(--accent-color);
}

table thead {
    position: absolute;
    width: 1px;
    height: 1px; clip:
    rect(0 0 0 0);
    overflow: hidden;
}
table tbody tr { margin-
    bottom: 2rem;
    display: block;
}

table td {
    font-size: 0.875rem;
    text-align: right;
    display: block;
```

```
            }

            table td:before {
                content:  attr(data-label);  font-
                size: 0.75rem;
                font-weight: 600;
                letter-spacing: 0.075rem; text-transform:
                uppercase;
                float: left;
                opacity: 0.5;
}

            table td:not(:last-child) {
border-bottom: 1px solid var(--insideBorderColor);
            }

    }
            </style>

    </head>

    <body>

            <table>
              <tr>
                <th>FIRST NAME</th>
                <th>LAST NAME</th>
                <th>PHONE</th>
                <th>PLACE</th>
          <th>EMAIL</th>
```

```
                </tr>


                <?php
include 'connection.php';

        $q="SELECT firstname,lastname,phone,place,email from parents where
    id='0'";

        $r=mysqli_query($con,$q);

        while($s=mysqli_fetch_array($r))

        {
echo '<tr>';
echo '<th>'.$s['firstname'].'</th>';
echo '<th>'.$s['lastname'].'</th>';
echo '<th>'.$s['phone'].'</th>';
echo '<th>'.$s['place'].'</th>';

        echo    '<th>'.$s['email'].'</th>';

        echo '</tr>';

       }


            ?>

      </table>

    </body>

    </html>
```

7. SYSTEM IMPLEMENTATION

7.1 Testing

Testing focuses on the logical internals of the software, ensuring that all the statements have been tested on the functional external, that is, conducting tests using various test data to detect errors and ensure that defined input will produce actual results that agreed with required results. It is the major quality control measure used during software development. It uncovers the errors introduced:

- During Coding
- During other previous phases like: Requirement Analysis and Designing

Levels of testing

1. Unit Testing
2. Integration Testing
3. Validation Testing
4. Output Testing

Unit testing

Different modules are tested against the specifications produced during the design for the modules. Unit testing is essentially for verification of the code produced during coding phase. Its main goal is to test the internal logic of the modules, typically done by the programmer of the module. Main focus in this testing is testing the code.

Integration testing

Integration testing is the phase in software testing in which individual software testing in which individual software modules are combined and tested as a group. It occurs after unit testing and before validation testing. Integration testing takes as its input modules that have been unit tested, groups them in larger aggregates, applies tests defined in an integration plan to those aggregates, and delivers as its output. The purpose of integration

testing is to verify functional, performance, and reliability requirements placed on major design items.

Validation testing

In software project management, software testing, and software engineering, validation is the process of checking that a software system meets specifications and that it fulfills its intended purpose. The errors which are uncovered during the integration testing are corrected during this phase.

Output testing

No system could be useful if it does not produce the required output in the specific format. Output testing is performed to ensure the correctness of the output and its 123 format. The output generated or displayed by the system is tested asking the users about the format required by them.

7.2 System implementation

Implementation is the stage in the project where theoretical design is turned into a working system and is giving confidence on the new system for the users which will work efficiently and effectively. It involves careful planning, investigation of the current system and its constraints on implementations, design of methods to achieve the changeover, an evaluation, of changeover methods. Apart from planning major tasks for preparing the implementation are education and training of users. The major complex system being implemented the more evolved will be the system analysis and the design effort required just for implementation. An implementation coordination committee based on policies of individual organization has been appointed. The implementation process begins with preparing plan for implementation of the system. According to this plan the activities are to be carried out discussions made regarding the equipment and resources and the additional equipment has to be acquired to implement the new system. Implementation is the final and important phase. The most critical stage in achieving a successful new system and in giving the users confidence that the new system and in giving the users confidence that the new system will work and be effective. The system can be implemented only after thorough testing is done and if found to working according to the specification.

7.3 Security

In any organizations data is the most important element and the main issue related to it is the security of those valuable data. One of the major areas in development process of a system is providing security to all its data in an efficient way. In my work, as it is for a Tuition management system it is tightly protected by authentication session password system. Only the administratorcan can access the entire system. The database server equipped with efficient password security system. So the entire system is provided with tight security.

8. CONCLUSION

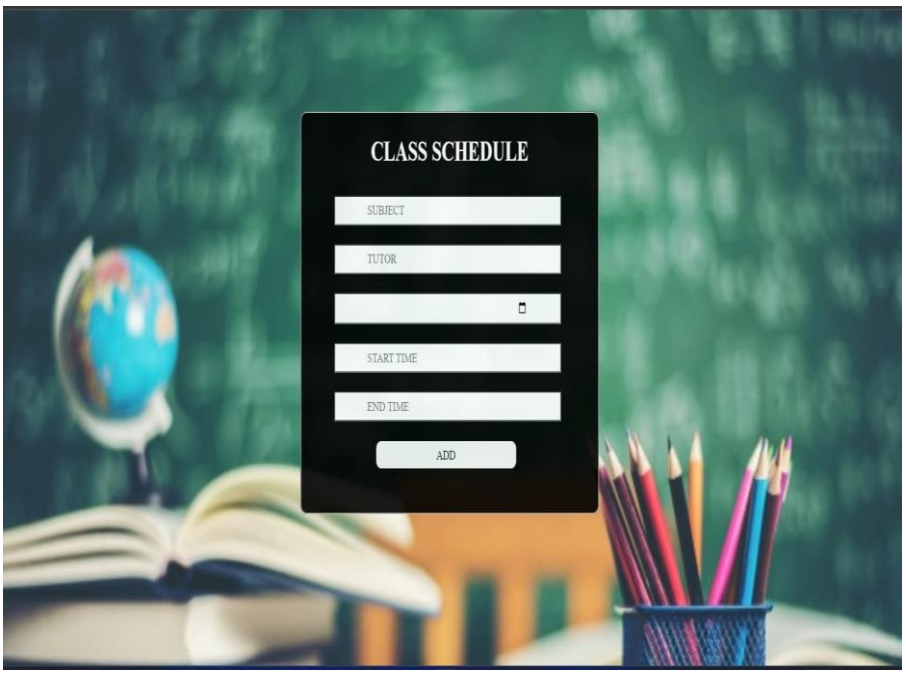
As we all know technology is devoleping by seconds by seconds.so there are some future enhancement whiam adding to the system in future which are an option for analyzing student mistake option which teacher can analyze student character and refer a specific book from the library or maybe an online study material which might help the student to cope up with the topic. And another is collect and process studentfeedback which means This feedback can be on various matrices such as – clarity of concepts; quality of study material shared, teaching techniques and examples shared by the teachers. On the basis of this feedback, anecdotal data can be gathered and analyzed to get meaningful reports.next one is suggesting careers which includes This is a typical scenario of primary education at the end of which the students are not very sure of which career stream should be chosen. The system would know a lot about each student's capabilities, strengths, and weaknesses. Further to the availability of this data, the AI and Predictive AnalysisEngine of the system can provide guidance to students about careers and streams to be chosen.next important enhancement is monitoring he student health which means for monitoring the holistic development of students, the data collected during periodic health check-ups can be collected and compared to an ideal growth rate of the student. This in itself has an infinite scope as a lot can be achieved through API integrations with Health Monitoring Systems. The output from such an ecosystem can also give suggestions on meals and its ingredients to ensure perfect health and growth rate of students.Next is assisting for recruitments which is In the case of higher studies, the recruiting firms would want to short-liststudents on the basis of traits, positive incidents, academic excellence, growth, and achievements.

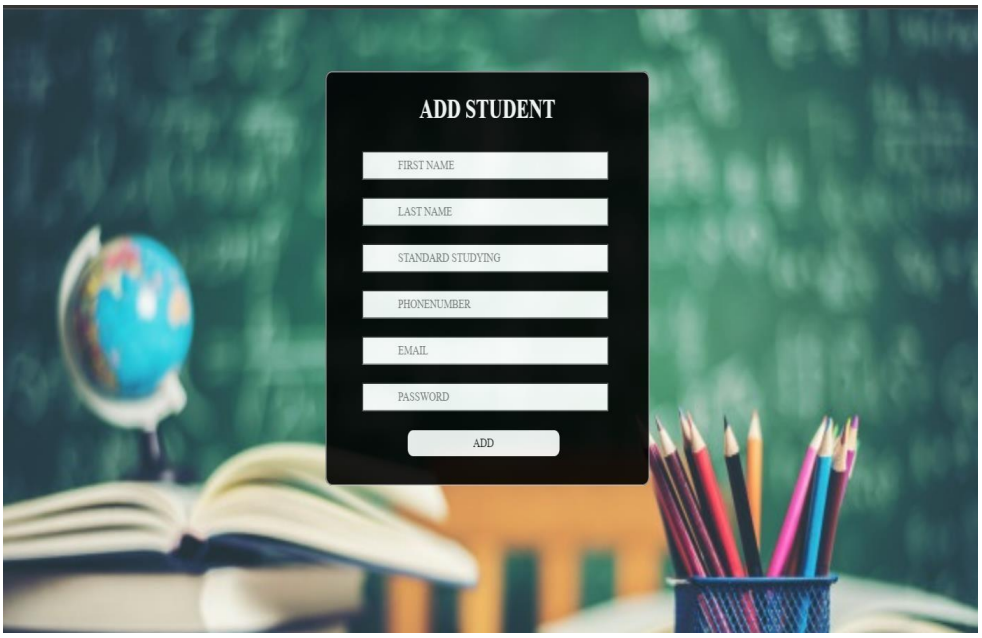
Main drawback of the system are admin cannot edit the scores after the deadlines and extensive modulesand features make difficult for user to utilize the system.large scale tuition centres make system complex

.students have no knowledge about the details of teacher.teachers cannot know about salary in the system

9. APPENDIX

9.1 Sample input and output screens



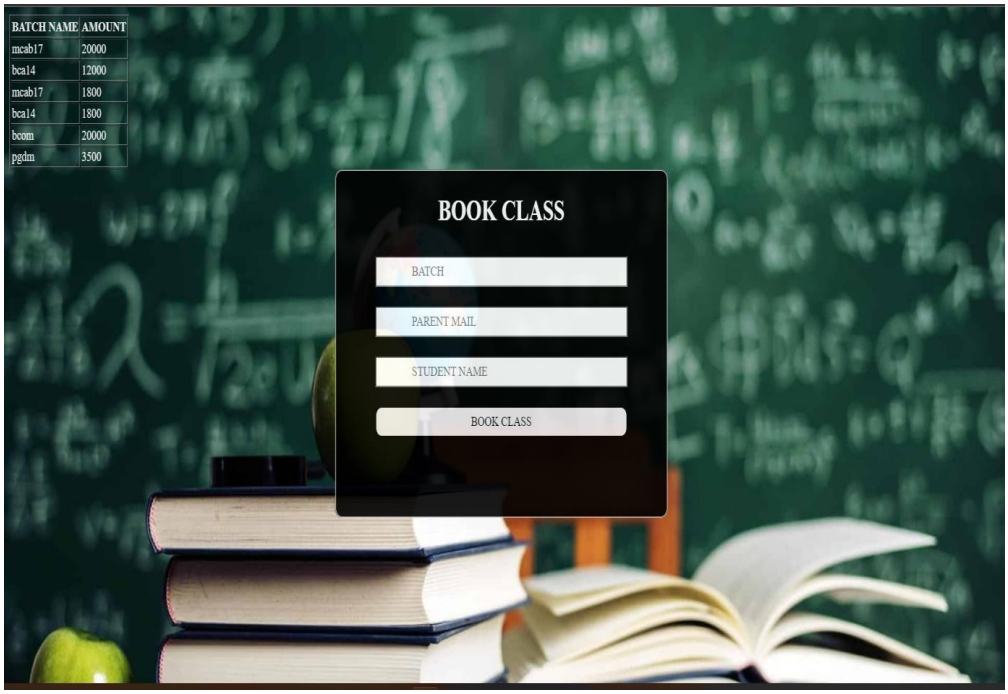


STUDENT ATTENDANCE

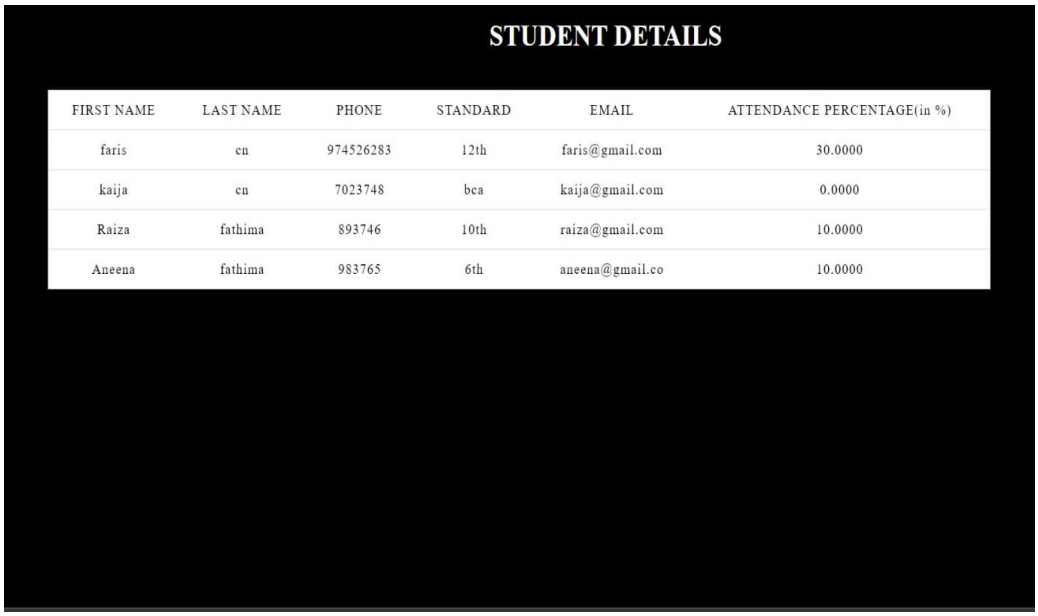
id	Student Name	Attendance
1	faris	○A ◉P
2	kaija	◉A ○P
6	Raiza	◉A ○P
7	Aneena	○A ◉P

Submit


update tutor
TUTOR ID
FIRST NAME
LAST NAME
PHONENUMBER
EMAIL
PASSWORD
UPDATE
Error in Updating

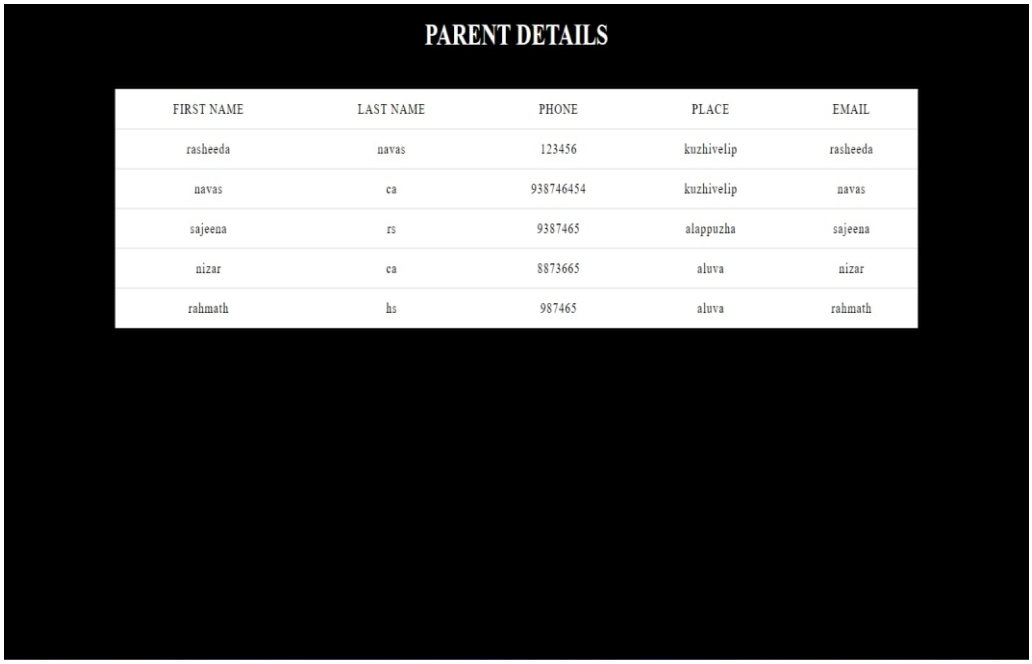

BATCH NAME AMOUNT
mcab17 20000
bca14 12000
mcab17 1800
bca14 1800
bcom 20000
pgdm 3500
BOOK CLASS
BATCH
PARENT MAIL
STUDENT NAME
BOOK CLASS

9.2 Reports



STUDENT DETAILS

FIRST NAME	LAST NAME	PHONE	STANDARD	EMAIL	ATTENDANCE PERCENTAGE(in %)
faris	cn	974526283	12th	faris@gmail.com	30.0000
kaija	cn	7023748	bca	kaija@gmail.com	0.0000
Raiza	fathima	893746	10th	raiza@gmail.com	10.0000
Aneena	fathima	983765	6th	aneena@gmail.co	10.0000



PARENT DETAILS

FIRST NAME	LAST NAME	PHONE	PLACE	EMAIL
rasheeda	navas	123456	kuzhivelip	rasheeda
navas	ca	938746454	kuzhivelip	navas
sajeena	rs	9387465	alappuzha	sajeena
nizar	ca	8873665	aluva	nizar
rahmath	hs	987465	aluva	rahmath

TUTOR DETAILS

FIRST NAME	LAST NAME	PHONE	EMAIL
leena	c shekhar	987654321	leena
raseena	tu	9876544	raseena
mathew	kl	987645	mathew
jaseena	ku	9977554	jaseena

SCHEDULED CLASS

SUBJECT	TUTOR	DATE	STARTING TIME	ENDING TIME
coa	leena	2022-11-09	1:30 pm	2:30 pm
maths	jaseena	2021-11-20	6.00 am	8.00 am
english	mary	2023-02-01	4.00 pm	6.00 pm
chemistry	mathew	2023-02-03	6.00 pm	8.00 pm
physics	raseena	2023-02-04	9.00 am	11.00 am

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- Singh,Yogesh and K.K Aggarwal.Software Engineering Third Edition. New Age International Publications,2007.
- Bootsrap: https://getbootstrap.com/docs/4.3/getting-started/introduction/
- HTML: https://www.w3schools.com/html/
- CSS: https://www.w3schools.com/css/
- PHP: https://www.w3schools.com/php/default.asp
- MYSQL: https://www.w3schools.com/sql/
- Data Flow Diagram: Dia Software
- ER Diagram: Dia Software
- For additional information: https://www.google.co.in/