SYNOPSIS

ON

Performance Evaluation System for Students (PESS)

PREPARED BY

Sajid Hussain

(FYMCA SEM. II, ROLL No.: 45)

GUIDED BY

Mrs. Anjana Arakerimath

(Head Of Department)

SUBMITTED TO

DEPARTMENT OF MCA

PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

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1. INTRODUCTION

Performance Evaluation System for Students (PESS) is a system wherein the teacher of a teaching institution gets the opportunity to manage and generate the performance report of each student easily. It is a platform where teachers can effectively manage and generate the overall performance of a student throughout the academic year based on the performance of students in terminal tests.

2. OBJECTIVES

The main objectives of Performance Evaluation System for Student (PESS) are:

- To Accept Students' Details and Store them.
- To Accept the marks directly or in csv format.
- To Accept Attendance Report in csv format.
- To generate individual report cards of students.
- To let users view and download the report cards generated.
- To generate the rank list of students class-wise.

3. WORKING OF EXISTING SYSTEM

Currently, the teacher collects all the data, stores them in an excel file and then creates the marksheet based on the formulae used to calculate the percentage. This method is tedious and time consuming. It is prone to errors as the data generated in the excel file is then hand written into a report card. Here, the rank list is then generated by examining every report card.

4. NEED OF NEW SYSTEM

Presenting you with the new PESS, where some of the tasks of teachers are automated to reduce the probability of errors and the burden of teachers during report generations. Since the existing system is prone to errors and time consuming the new system aims at reducing the time taken to generate reports with maximum accuracy.

The benefits of new system are listed below:

- Reduces Time required for generating reports.
- Reduces Errors.
- Efficient in analyzing the performance of students.
- Aims at increasing the accuracy.
- Helps the owner to devise plans to increase the overall performance of the organization.
- Helps the owner to keep a check on the growth of the organization and its members.
- Helps the teachers in reducing their workload so that they can work more efficiently on their teaching techniques to improve their students' performance.

5. USERS OF SYSTEM

- Owner of Organization
- Admin
- Teachers
- Students

6. TECHNICAL REQUIREMENTS

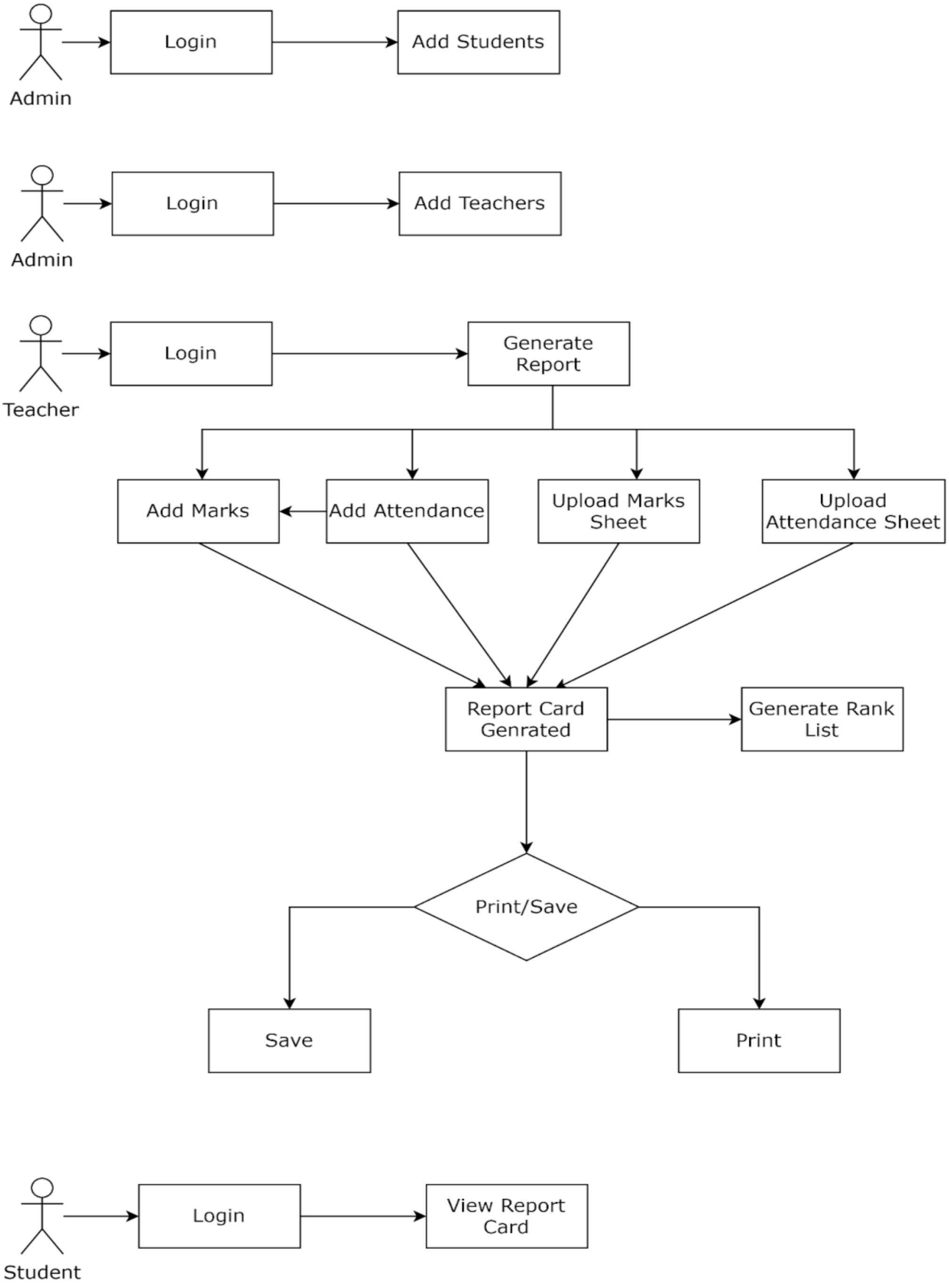
• HARDWARE

a. A computer with either Intel Pentium Processor or AMD Processor
b. 1GB DDR RAM or above
c. 40GB Hard Disk Drive

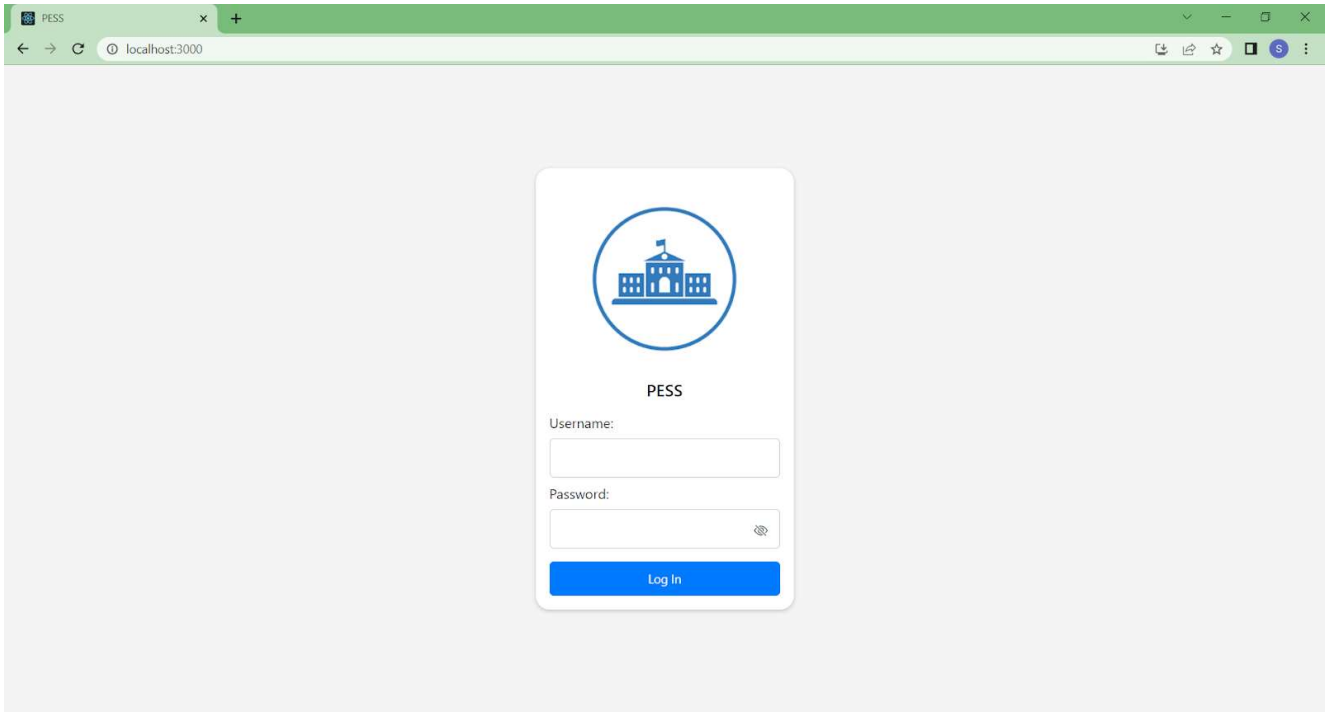
• SOFTWARE

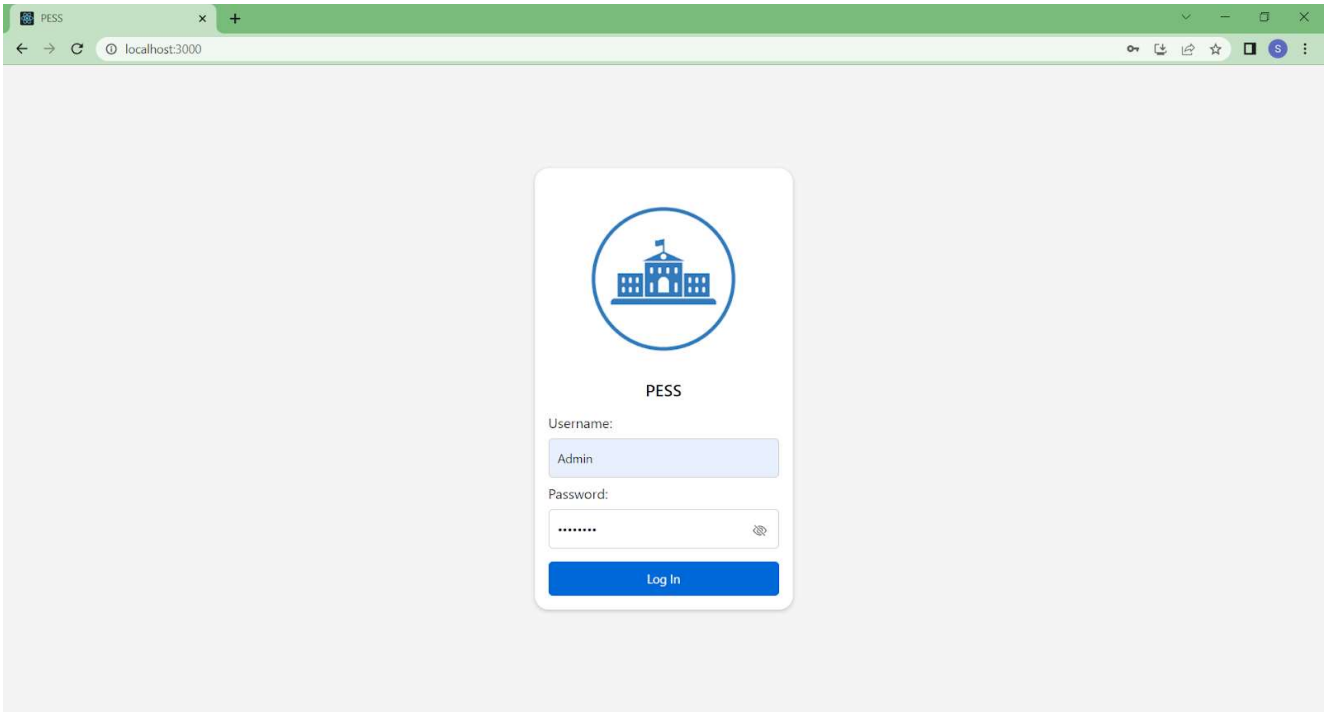
a. Hyper Text Markup Language (HTML)
b. Cascading Style Sheet (CSS)
c. JavaScript
d. PostgreSql
e. Express Js
f. React Js
g. Node Js

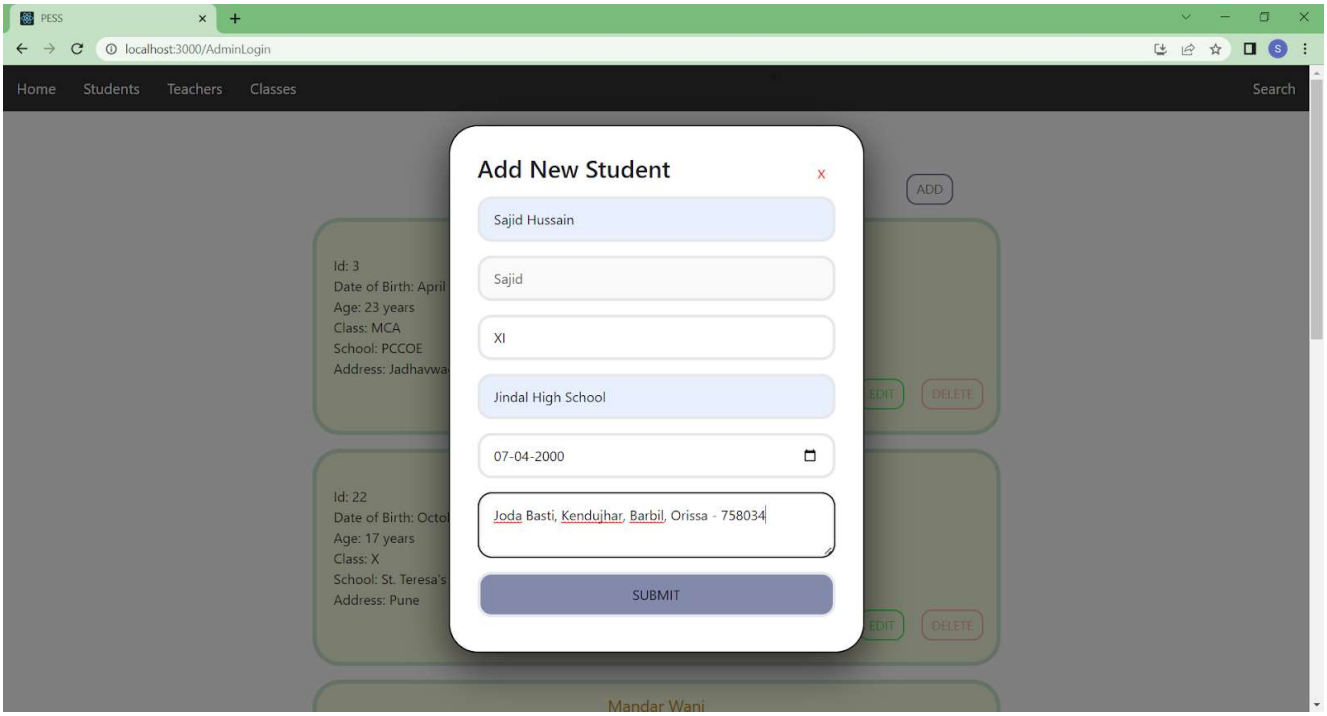
7. WORKFLOW

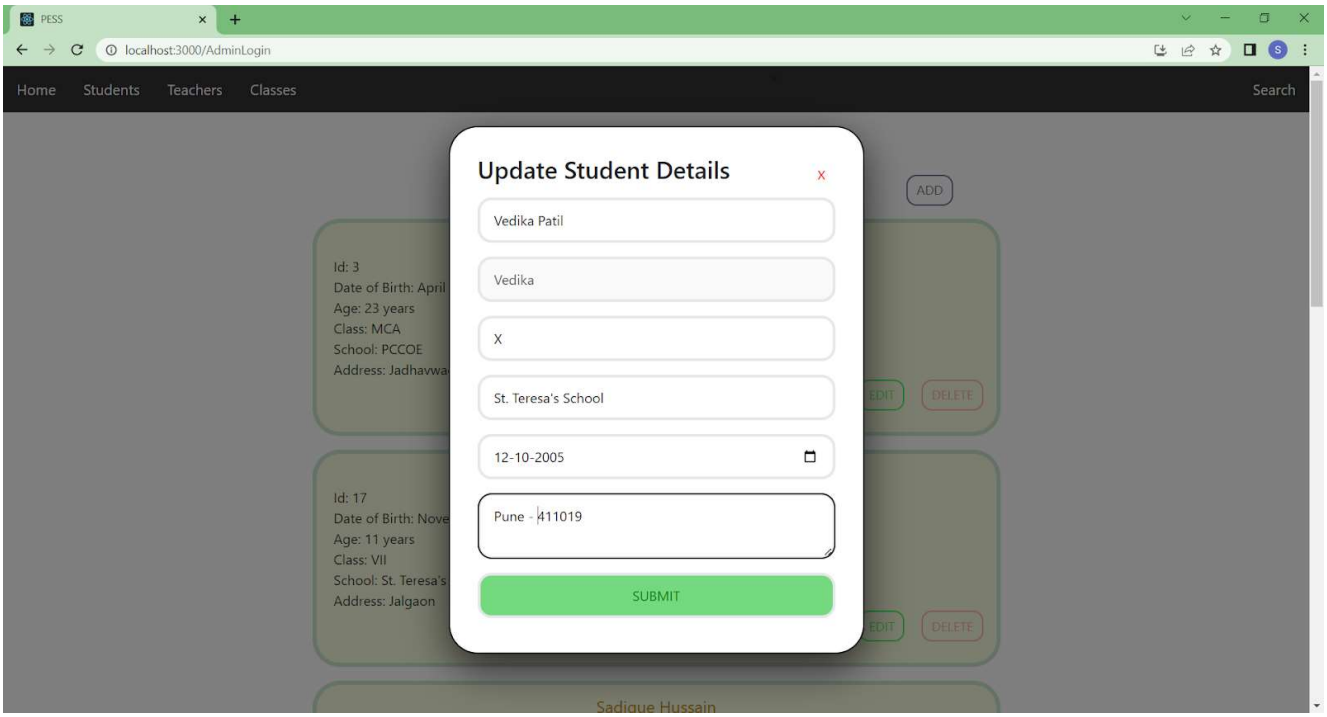

Admin
Login
Add Students
Admin
Login
Add Teachers
Teacher
Login
Generate Report
Add Marks
Add Attendance
Upload Marks Sheet
Upload Attendance Sheet
Report Card Genrated
Generate Rank List
Print/Save
Save
Print
Student
Login
View Report Card

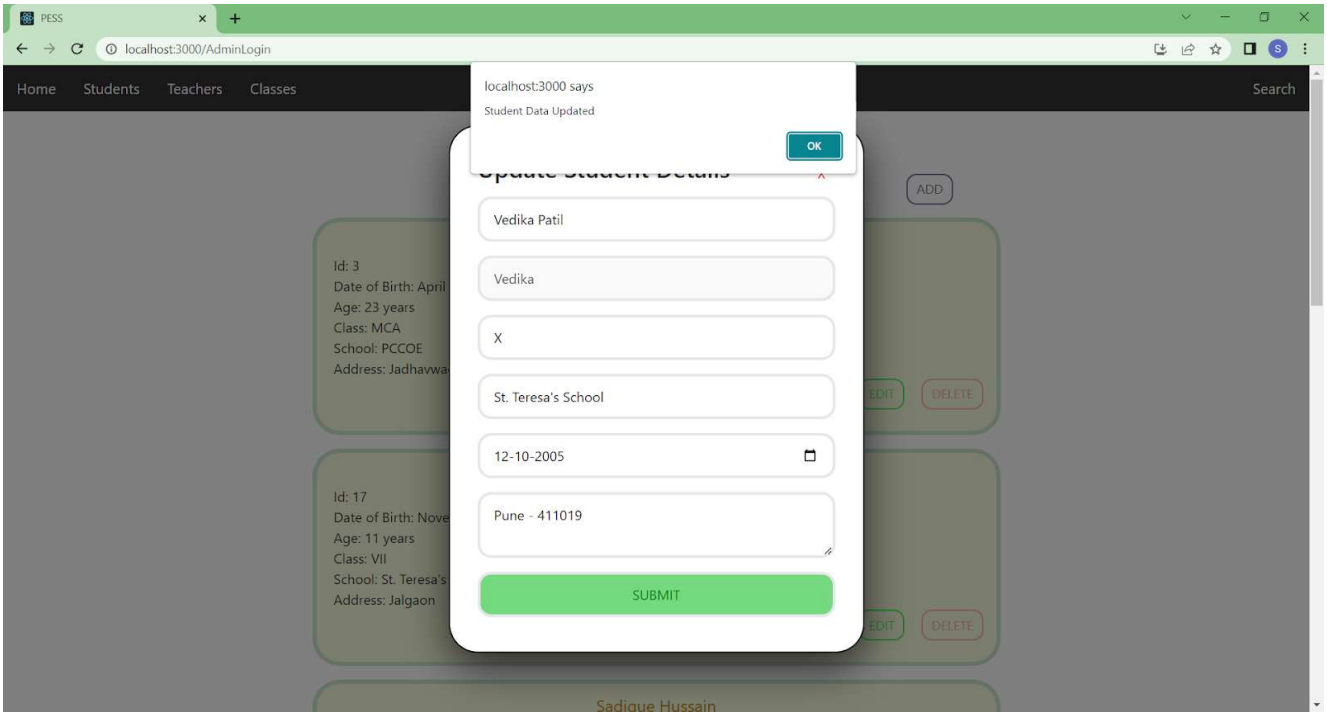
8. OUTPUT SCREENS



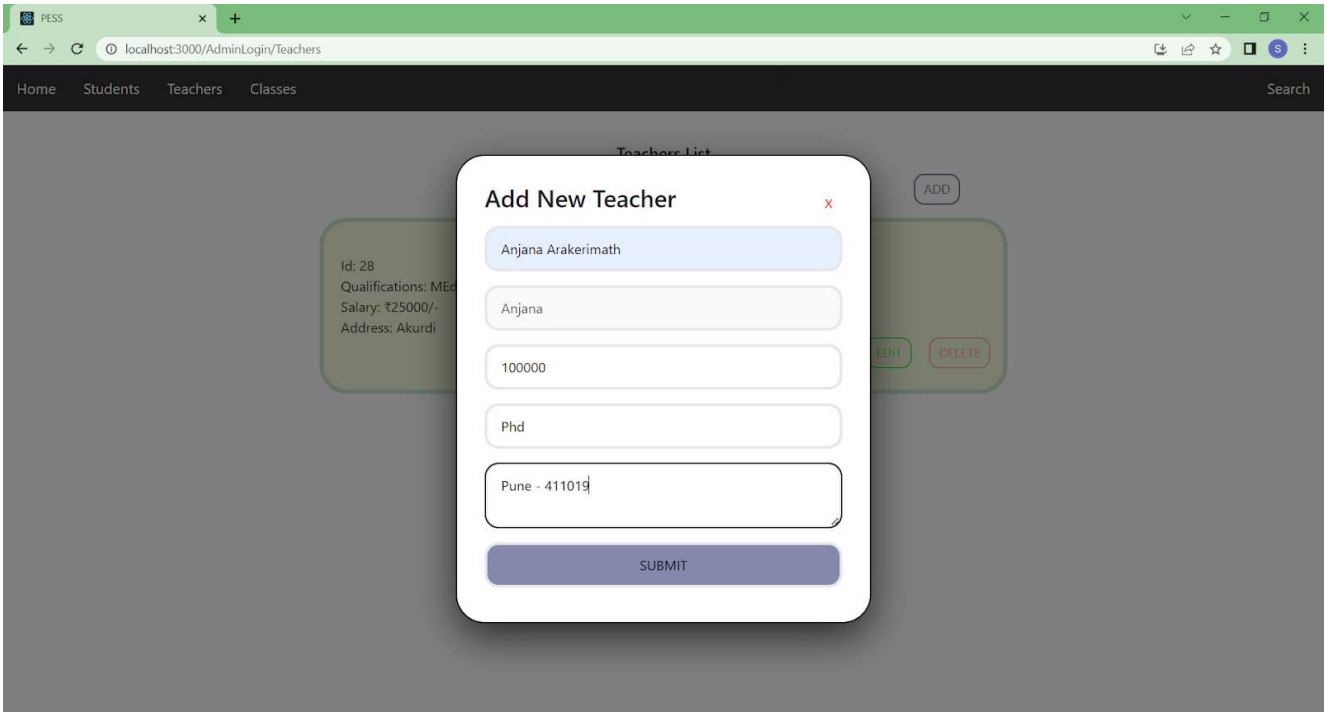


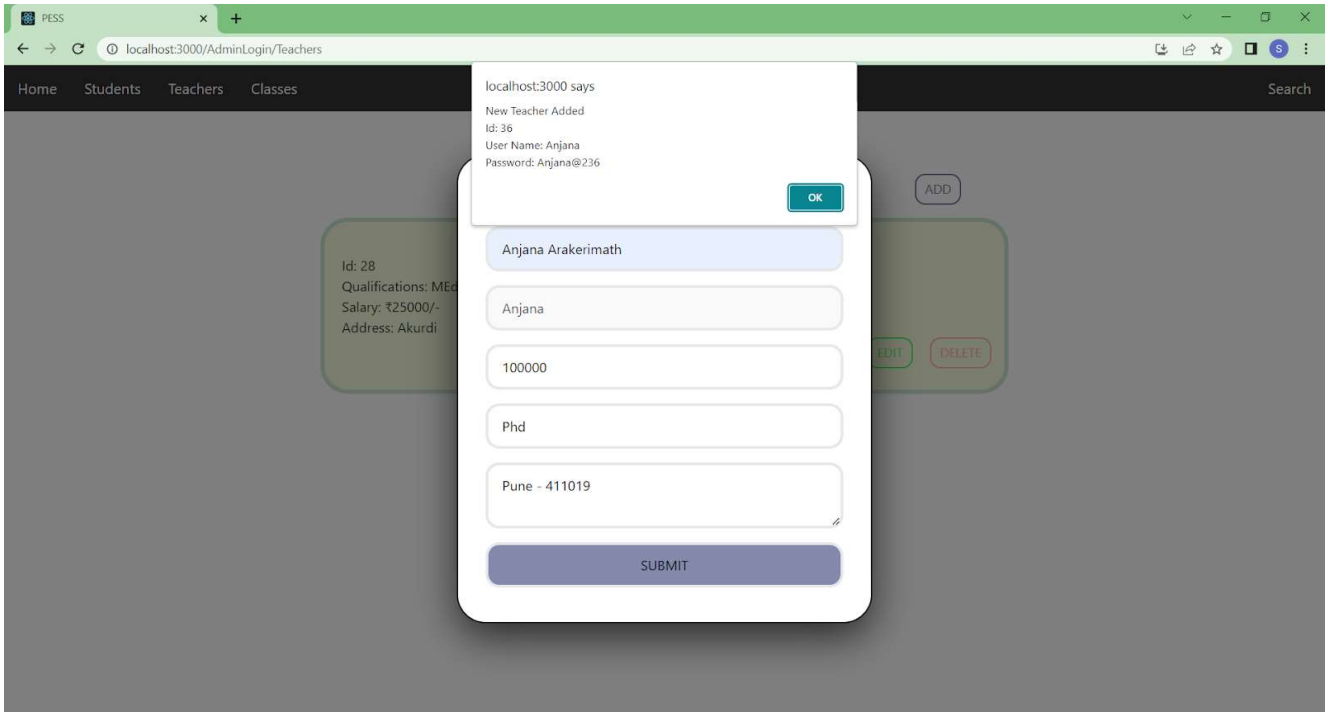

PESS
localhost:3000/AdminLogin
Home
Students
Teachers
Classes
Search
Add New Student
X
Sajid Hussain
Sajid
XI
Jindal High School
07-04-2000
Joda Basti, Kendujhar, Barbil, Orissa - 758034
SUBMIT
ADD
Id: 3
Date of Birth: April
Age: 23 years
Class: MCA
School: PCCOE
Address: Jadhavwa
EDIT
DELETE
Id: 22
Date of Birth: Octo
Age: 17 years
Class: X
School: St. Teresa's
Address: Pune
EDIT
DELETE
Mandar Wani

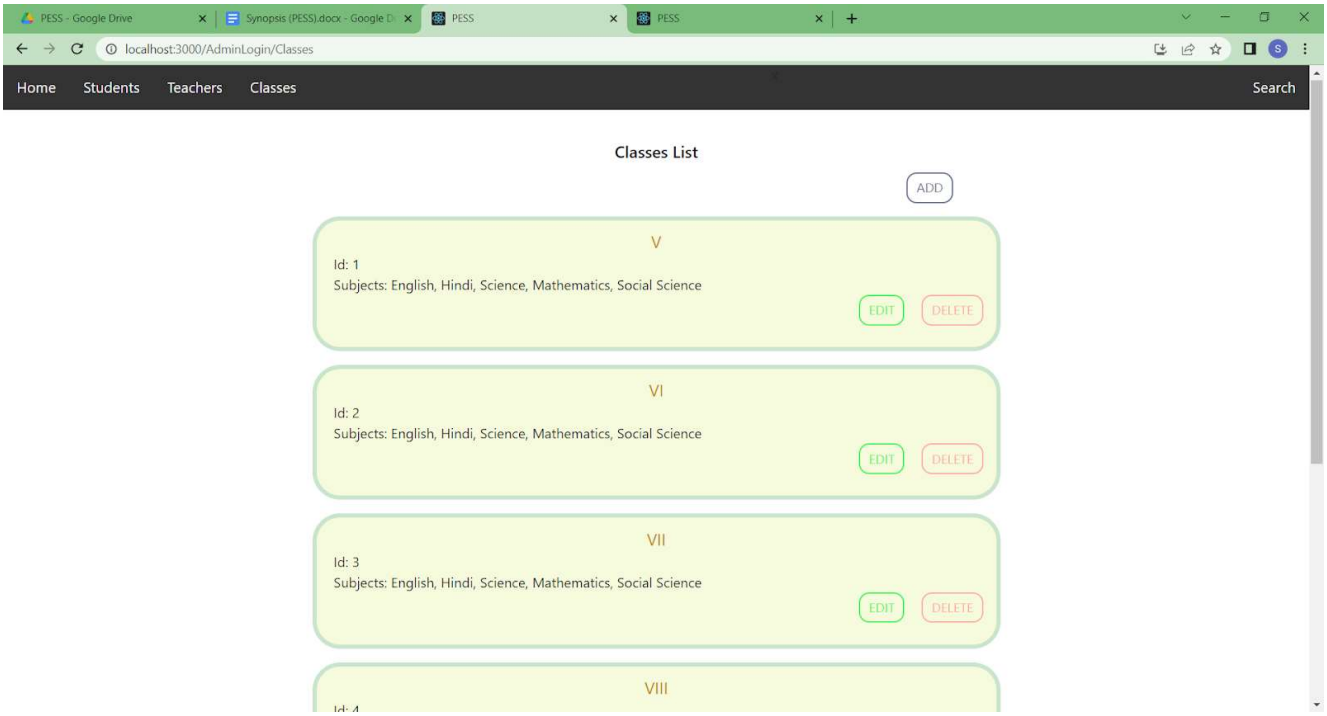

PESS
localhost:3000/AdminLogin
Home
Students
Teachers
Classes
Search
Update Student Details
X
Vedika Patil
Vedika
X
St. Teresa's School
12-10-2005
Pune - 411019
SUBMIT
ADD
Id: 3
Date of Birth: April
Age: 23 years
Class: MCA
School: PCCOE
Address: Jadhavwa
EDIT
DELETE
Id: 17
Date of Birth: Nove
Age: 11 years
Class: VII
School: St. Teresa's
Address: Jalgaon
EDIT
DELETE
Sadique Hussain

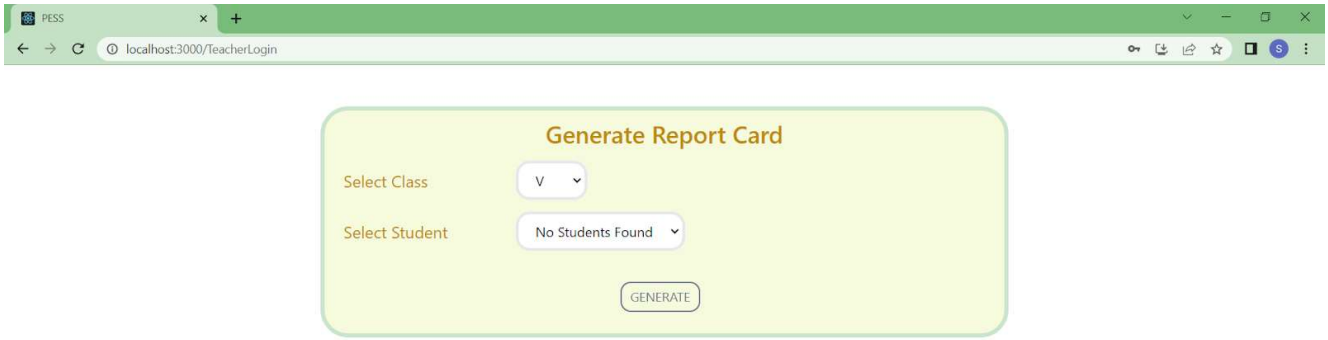

PESS
localhost:3000/AdminLogin
Home
Students
Teachers
Classes
Search
localhost:3000 says
Student Data Updated
OK
ADD
Vedika Patil
Vedika
X
St. Teresa's School
12-10-2005
Pune - 411019
SUBMIT
Id: 3
Date of Birth: April
Age: 23 years
Class: MCA
School: PCCOE
Address: Jadhavwa
EDIT
DELETE
Id: 17
Date of Birth: Nove
Age: 11 years
Class: VII
School: St. Teresa's
Address: Jalgaon
EDIT
DELETE
Sadique Hussain

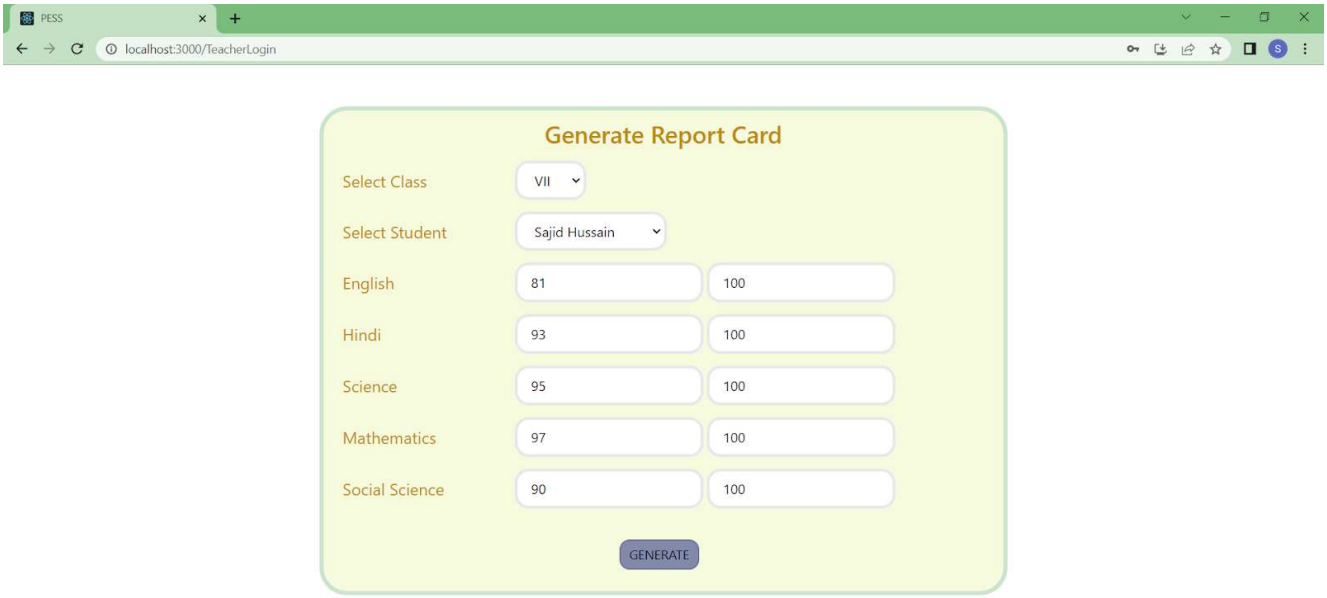
PESS
localhost:3000/AdminLogin
Home
Students
Teachers
Classes
Search
localhost:3000 says
Student Data DELETED!!!
OK
ADD
Student
Id: 3
Date of Birth: April 7, 2000
Age: 23 years
Class: MCA
School: PCCOE
Address: Jadhavwadi
EDIT
DELETE
Mandar Wani
Id: 17
Date of Birth: November 10, 2011
Age: 11 years
Class: VII
School: St. Teresa's School
Address: Jalgaon
EDIT
DELETE
Sadique Hussain

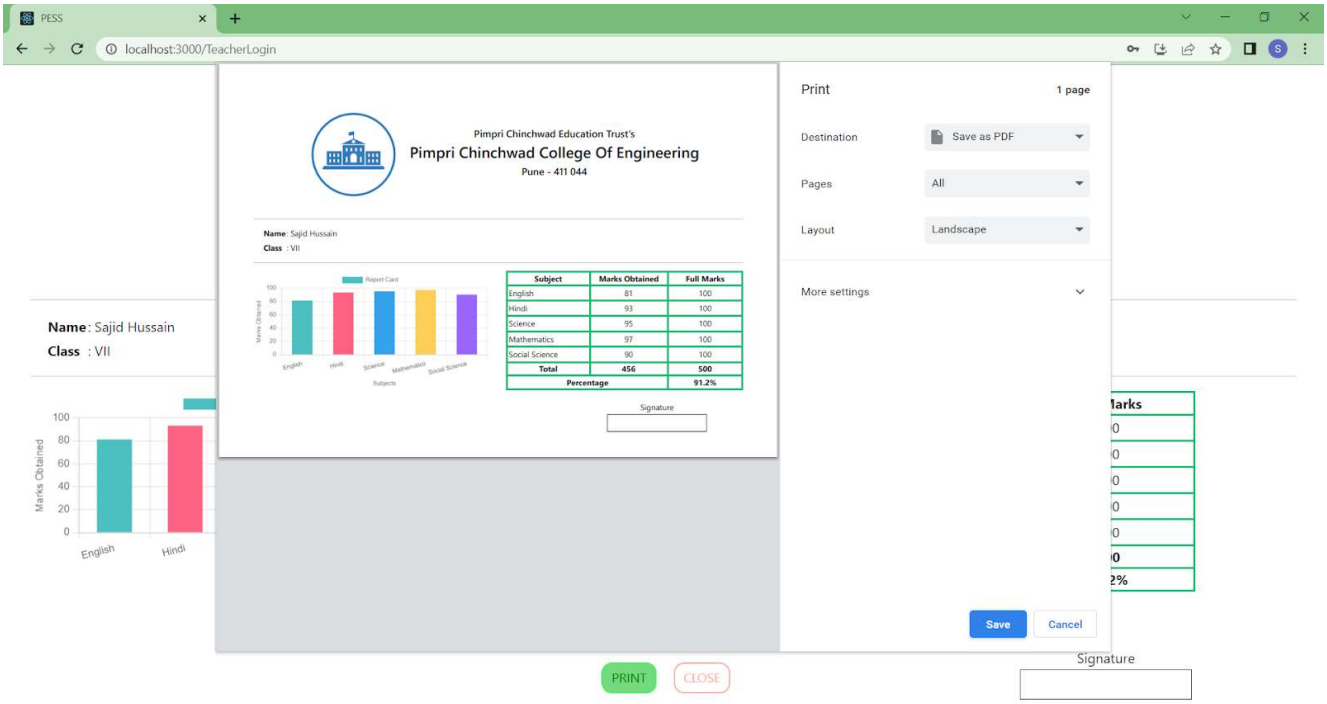

PESS
localhost:3000/AdminLogin/Teachers
Home
Students
Teachers
Classes
Search
Teachers List
ADD
Id: 28
Qualifications: MEd
Salary: ₹25000/-
Address: Akurdi
EDIT
DELETE
Add New Teacher
X
Anjana Arakerimath
Anjana
100000
Phd
Pune - 411019
SUBMIT


PESS
localhost:3000/AdminLogin/Teachers
Home
Students
Teachers
Classes
Search
localhost:3000 says
New Teacher Added
Id: 36
User Name: Anjana
Password: Anjana@236
OK
ADD
Id: 28
Qualifications: MEd
Salary: ₹25000/-
Address: Akurdi
EDIT
DELETE
Anjana Arakerimath
Anjana
100000
Phd
Pune - 411019
SUBMIT


PESS - Google Drive
Synopsis (PESS).docx - Google D
PESS
PESS
localhost:3000/AdminLogin/Classes
Home
Students
Teachers
Classes
Search
Classes List
ADD
V
Id: 1
Subjects: English, Hindi, Science, Mathematics, Social Science
EDIT
DELETE
VI
Id: 2
Subjects: English, Hindi, Science, Mathematics, Social Science
EDIT
DELETE
VII
Id: 3
Subjects: English, Hindi, Science, Mathematics, Social Science
EDIT
DELETE
VIII


PESS
localhost:3000/TeacherLogin
Generate Report Card
Select Class
V
Select Student
No Students Found
GENERATE


PESS
localhost:3000/TeacherLogin
Generate Report Card
Select Class
VII
Select Student
Sajid Hussain
English
81
100
Hindi
93
100
Science
95
100
Mathematics
97
100
Social Science
90
100
GENERATE


PESS
localhost:3000/TeacherLogin
Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College Of Engineering
Pune - 411 044
Name: Sajid Hussain
Class : VII
Subject
Marks Obtained
Full Marks
English 81 100
Hindi 93 100
Science 95 100
Mathematics 97 100
Social Science 90 100
Total 456 500
Percentage 91.2%
Signature
Print
1 page
Destination
Save as PDF
Pages
All
Layout
Landscape
More settings
Save
Cancel
Name: Sajid Hussain
Class : VII
Marks Obtained
English
Hindi
PRINT
CLOSE
Signature

9. REFERENCES

- **BOOK REFERENCE**

  a. Head First Web Development

  b. PostgreSql: Introduction and Concepts

  c. Eloquent JavaScript, 3rd Edition: A Modern Introduction to Programming

  d. A Smarter Way to Learn JavaScript

- **WEBSITE REFERENCE**

  a. www.geeksforgeeks.org

  b. www.w3schools.com

  c. www.programiz.com

  d. www.youtube.com

10. STUDENT DETAILS

NAME OF STUDENT : Sajid Hussain

ROLL NUMBER : FYMCA - 45

PRN : 122M1H045

E - MAIL : sajid.hussain22@pccoepune.org

CONTACT NUMBER : 86579 50509