INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE

Documentation On

"STUDENT'S MANAGEMENT SYSTEM AT COACHING CENTRE"

PG-DAC SEP 2021

Submitted By:

Group No: 13

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Project Guide

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- ENTITY RELATIONSHIP DIAGRAM

1. INTRODUCTION.

Introduction:

Portal is a web system that provides the function and features to authenticate and identify the users and provide then with easy, intuitive, personalized and user-customizable web-interface for facilitating access to information and services that are of primary relevance and interests to the users. Student management Portal is nothing but a portal which thinks students as the main target & collect all the information of the students to provides it to admin. This portal also provides so many useful services to students at a single place & through a single interface but in customized form.

Problem Statement:

There are many problems found in the todays portal system. The problems created in the existing system enforced us to develop the new system which minimize the problem of the existing system. These problems are Now a days the system in college like entering papers details in only department level of papers data is done manually which consumes lots of time. Its application depends works on minimum peoples that is department level.

Aims and Objective:

The main purpose of this system, is to reduce the consumption of time during maintaining the records of college. Separate divisions are providing to maintain the records of students. Our System also procure an easy way not only to automate all functionalities of a college, but also to procure full functional reports to top management of college with the finest of details about any phase of college. In other words, our college portal has, following objectives:

1. Simple database is maintained.
2. Easy operations for the operator of the system.
3. User interfaces are user accommodating and attractive; it takes very less time for the operator to use the system.
4. The aim is to design a college website which implant update information of the college that should improve expertness of college record management.

2.OVERALL DESCRIPTION.

Proposed Methodology:

The objective of Student Portal is to provide an online web-based solution for academic use. In this application all data will be available such as Assignments, Notes, Exam links, Daily schedules, Google Classroom links T&P data, etc. It is Easy to use. In future it helps our students and staff to organize and access information about all aspect Assignments, Exams, T&P, etc. This website provides a way for student and faculty to communicate to each other, this will solve all drawbacks of manual process, increase the efficiency and speed up all works to be completed. At college managements side a person can view the most important student and staff data. Every student and staff will provide with unique login id and password. All the data will be at least once the validated from the college database. Hence this process also helps in maintaining consistency and integrity. The student and staff acquaintance system that helps to users can readily store the students and staff information through online. The user can readily store and retrieve the data by department wise through online. This system helps the user to generate the dynamic legwork. Thus the user can convenient to interact with the system to readily and accessibility the resources through internet or intranet.

Operating Environment:

Server Side:

Processor: Intel® Xeon® processor 3500 series

HDD: Minimum 500GB Disk Space

RAM: Minimum 4GB

OS: Windows 10, Linux 6

Database: MySQL

Client Side (minimum requirement):

Processor: Intel Dual Core

HDD: Minimum 80GB Disk Space

RAM: Minimum 2GB

OS: Windows 7, Linux

Design and Implementation Constraints:

- The application will use JavaScript, jQuery and CSS as main web technologies.
- HTTP and FTP protocols are used as communication protocols. FTP is used to upload the web application in live domain and the client can access it via HTTP protocol.
- SMTP protocol is used for Email communication.
- Several types of validations make this web application a secured one and SQL Injections can also be prevented.
- Since Student's Online Portal is a web-based application, internet connection must be established.
- The Student's Online Portal will be used on PCs and will function via internet or intranet in any web browser.

3.Requirements Specification.

External Interface Requirements:

User Interfaces:

- All the users will see the same page when they enter in this website. This page asks the users a username and a password.
- After being authenticated by correct username and password, user will be redirect to their corresponding profile where they can do various activities.
- The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standard interface, to eliminate need for user training of infrequent users.

Hardware Interfaces:

- No extra hardware interfaces are needed.
- The system will use the standard hardware and data communication resources.
  This includes, but not limited to, general network connection at the server/hosting site, network server and network management tools.

Application Interfaces:

Web Browser:

The system is a web-based application; clients need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.

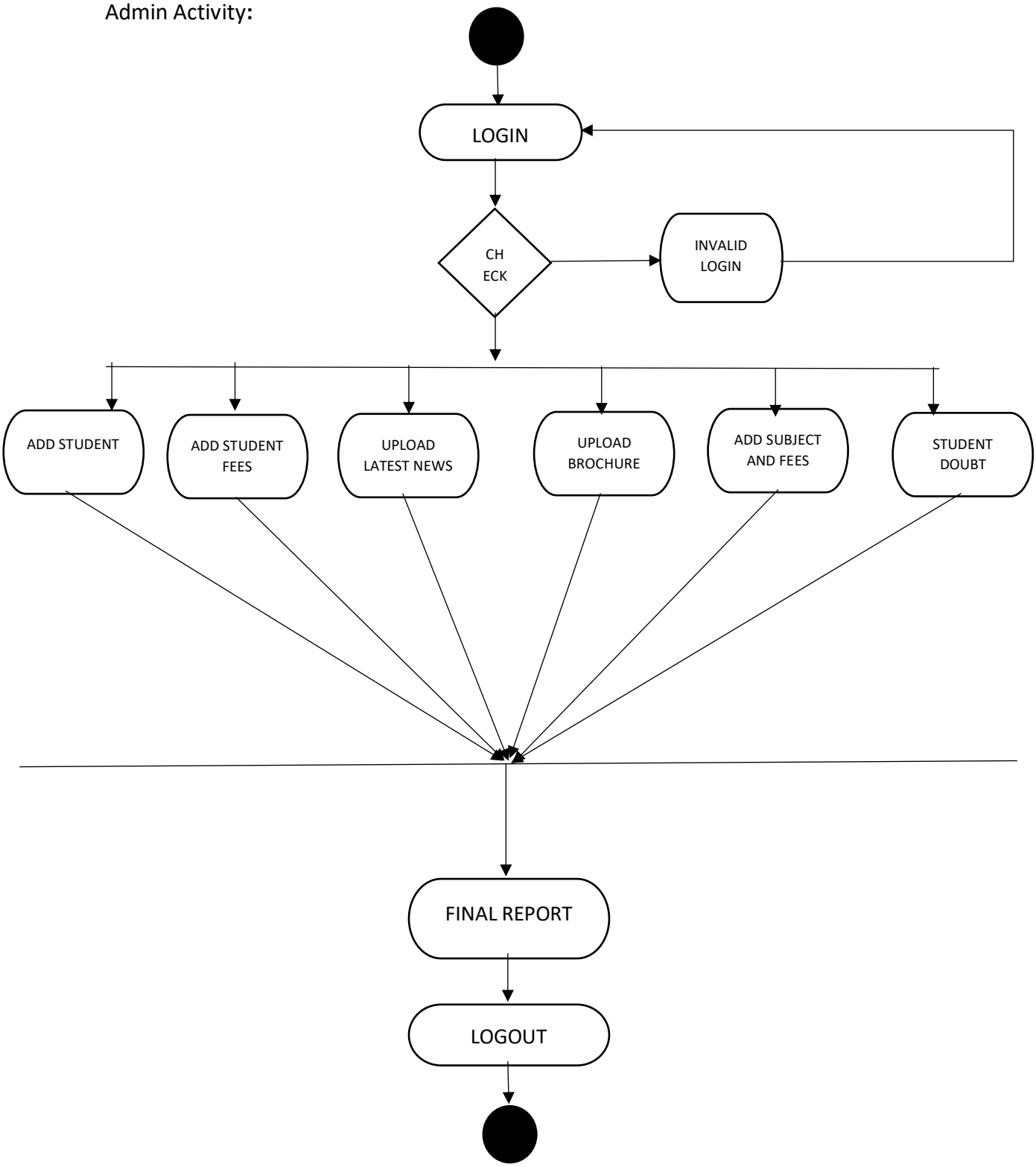
Communications Interfaces:

- This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP network protocol with HTTP protocol.
- This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

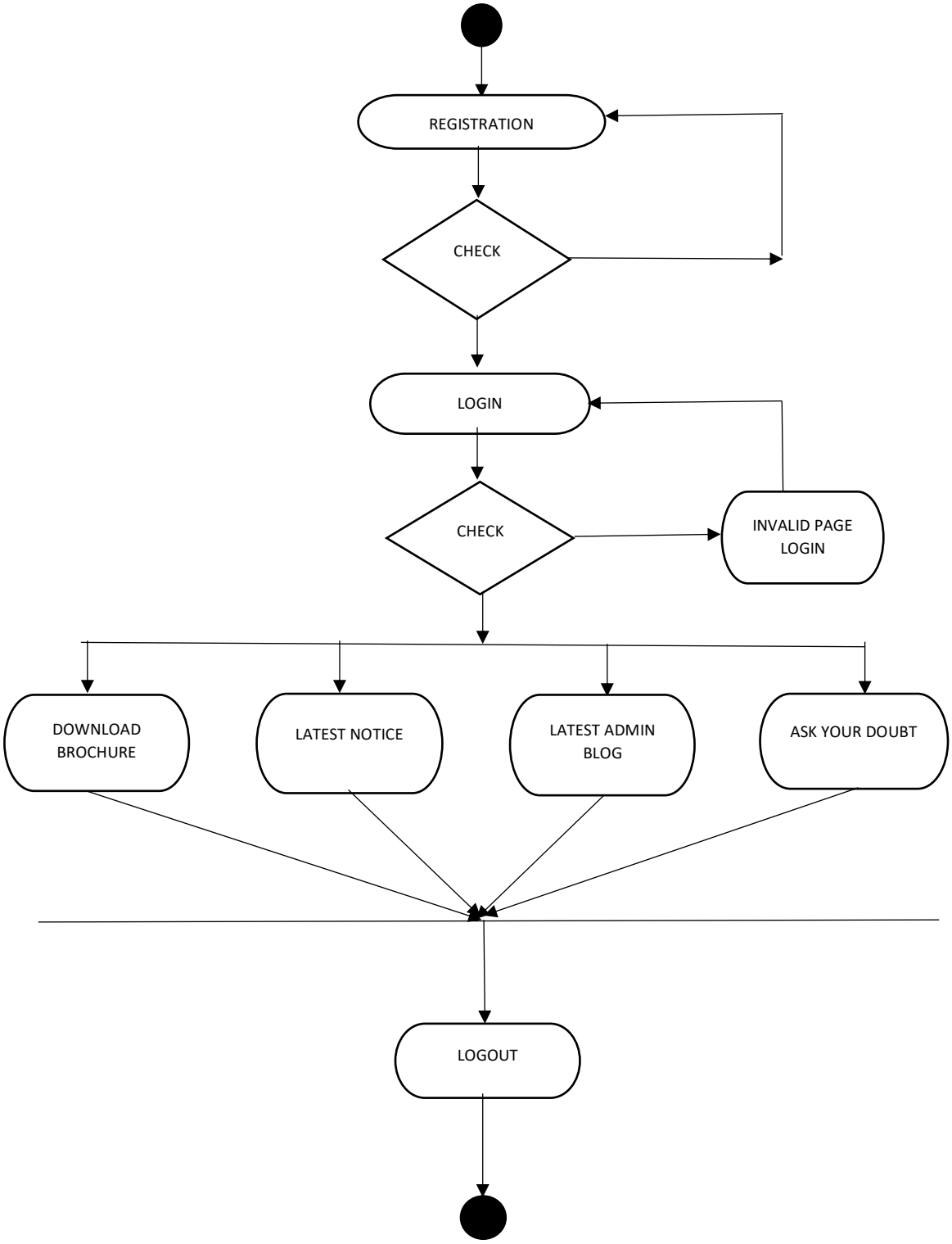
4. System Diagrams.

1. • Activity Diagram:

Admin Activity:

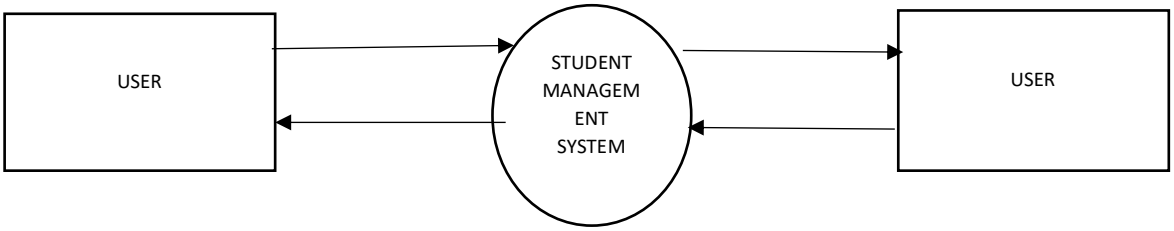


Student Activity

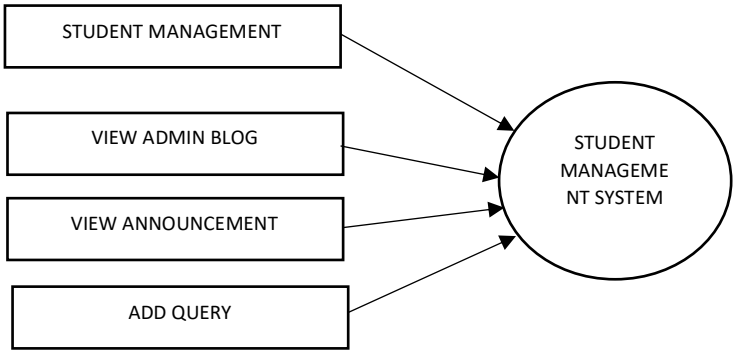


• Data Flow diagram:

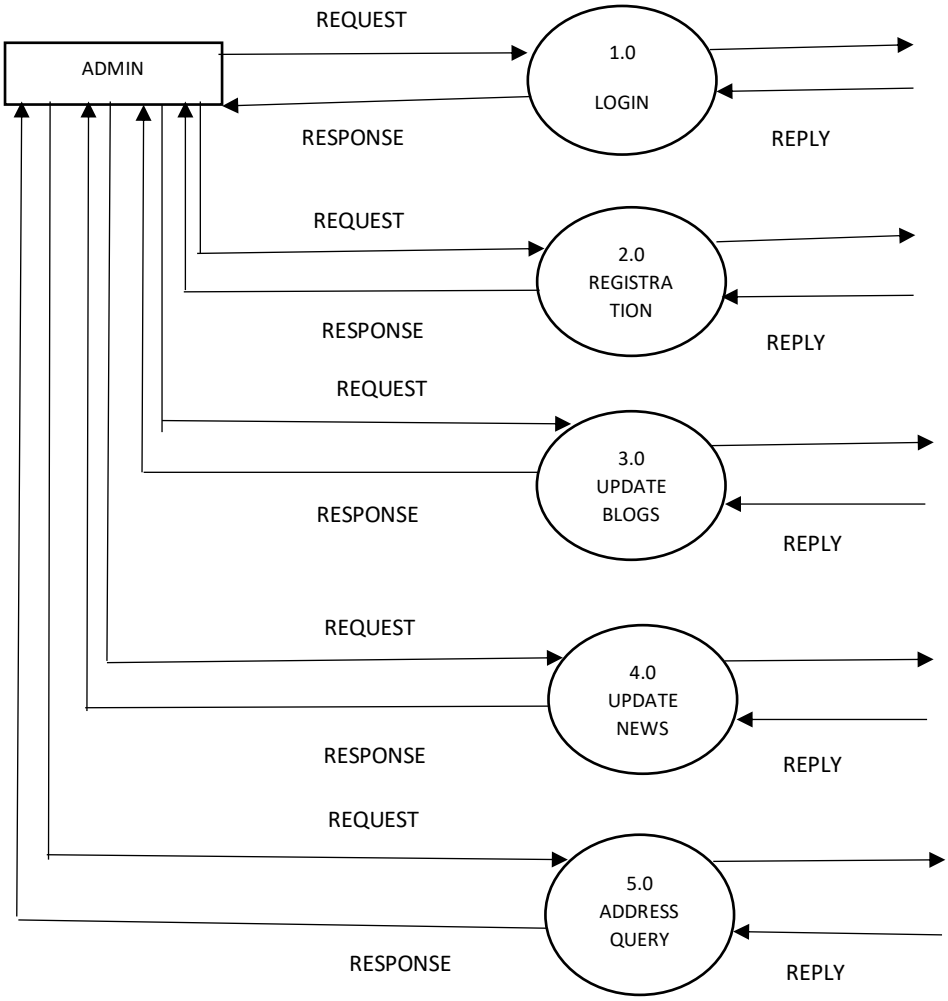
ZERO LEVEL DFD



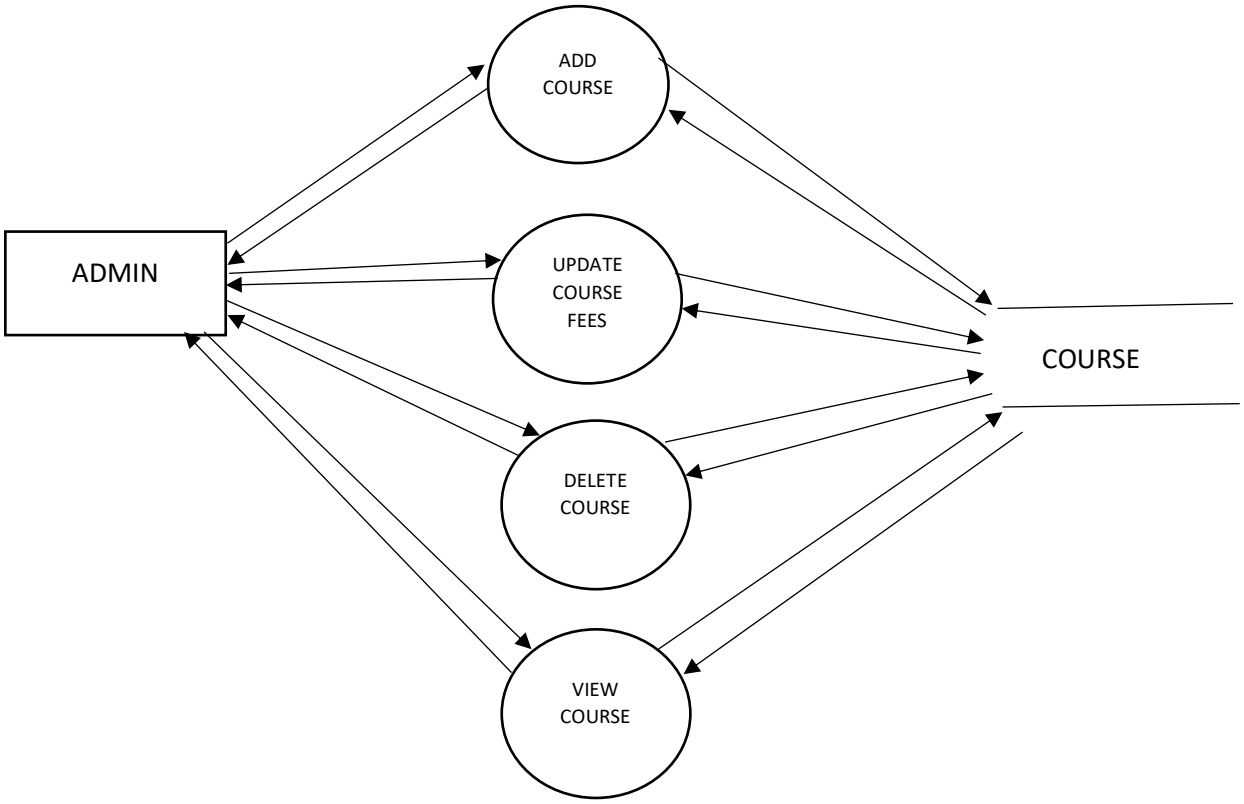
FIRST LEVEL DFD



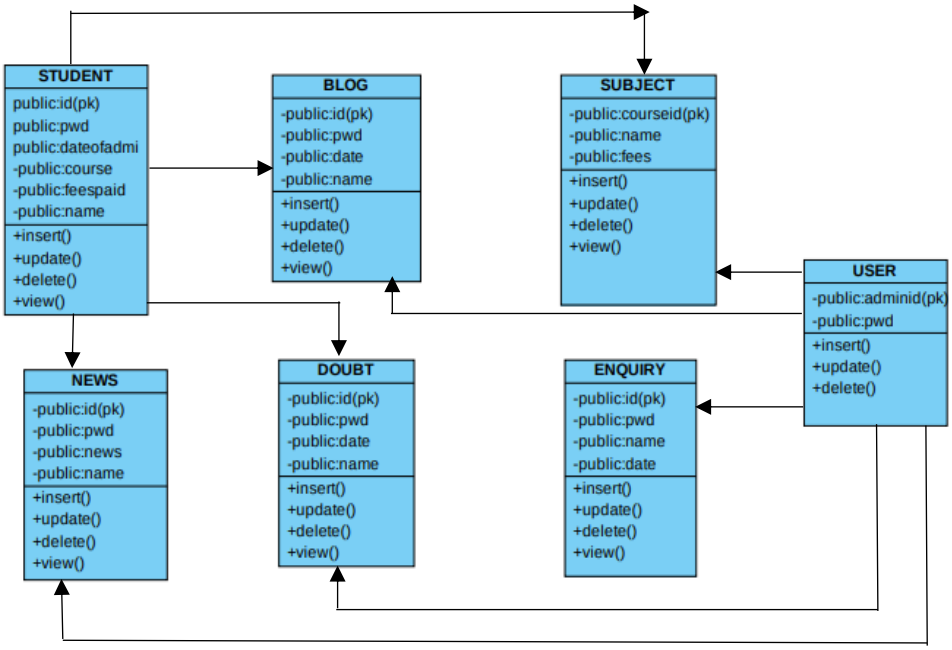
SECOND LEVEL DFD



COURSE DFD

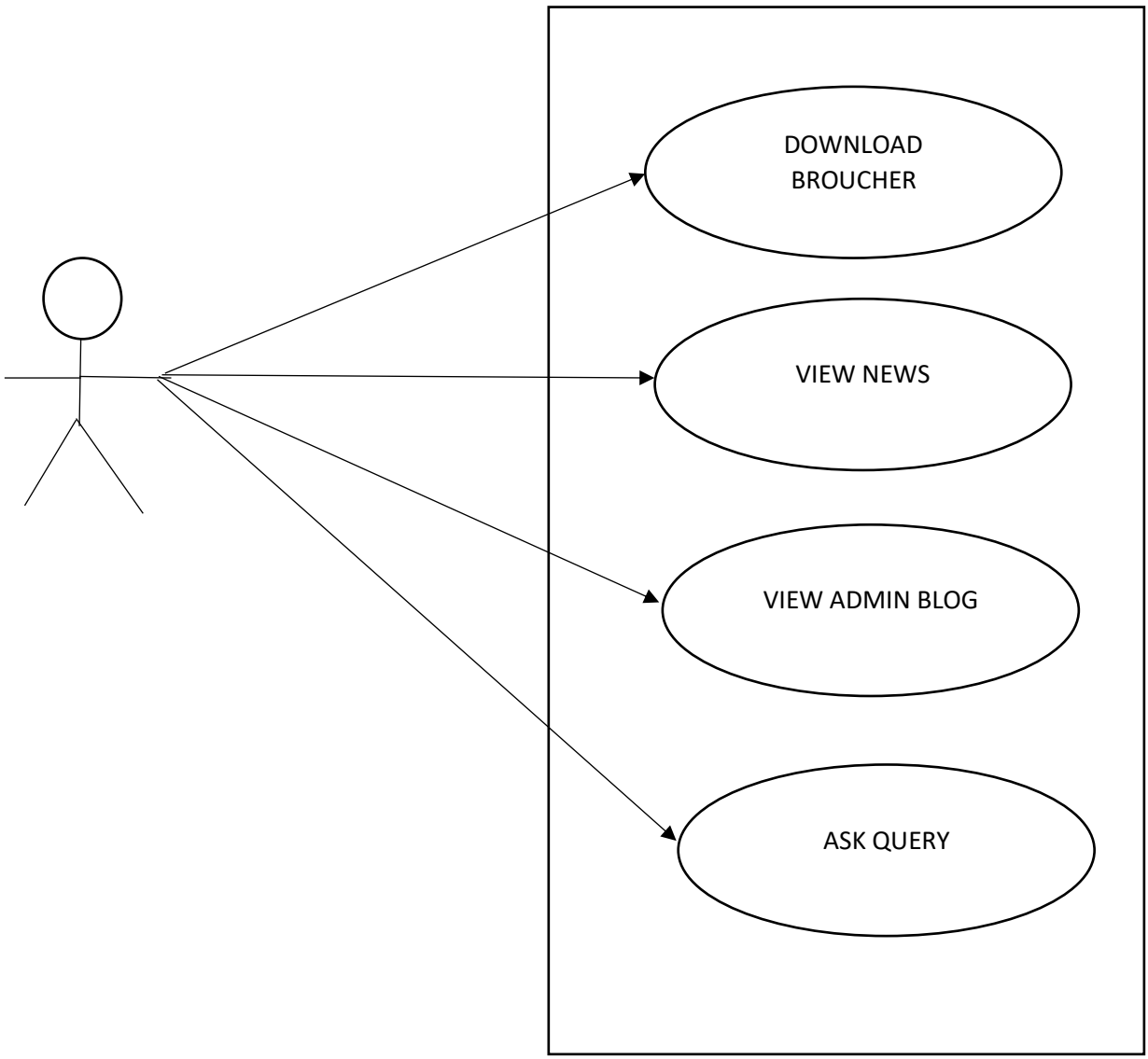

ADD
COURSE
ADMIN
UPDATE
COURSE
FEES
COURSE
DELETE
COURSE
VIEW
COURSE

CLASS DIAGRAM

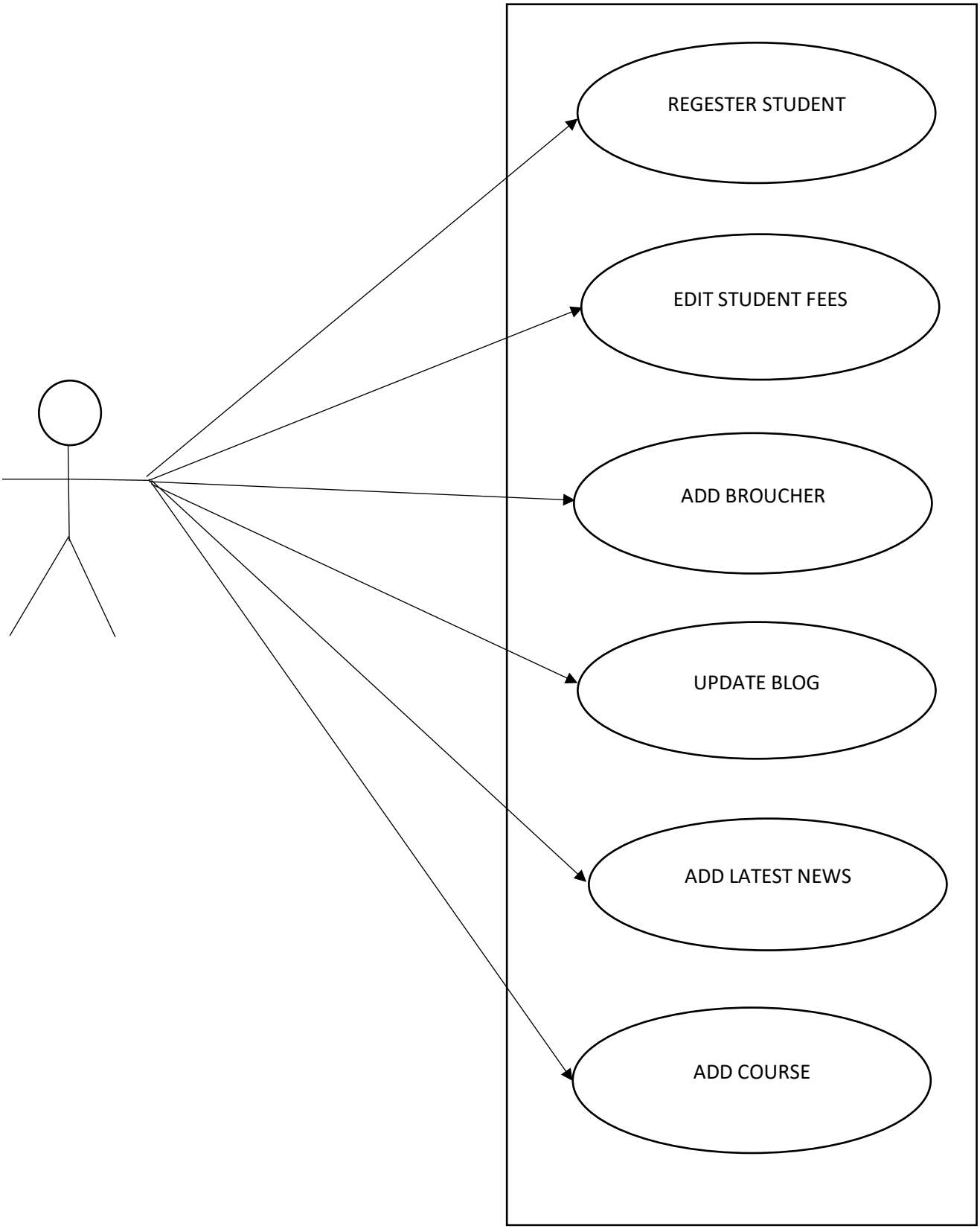


USE CASE DIAGRAM:

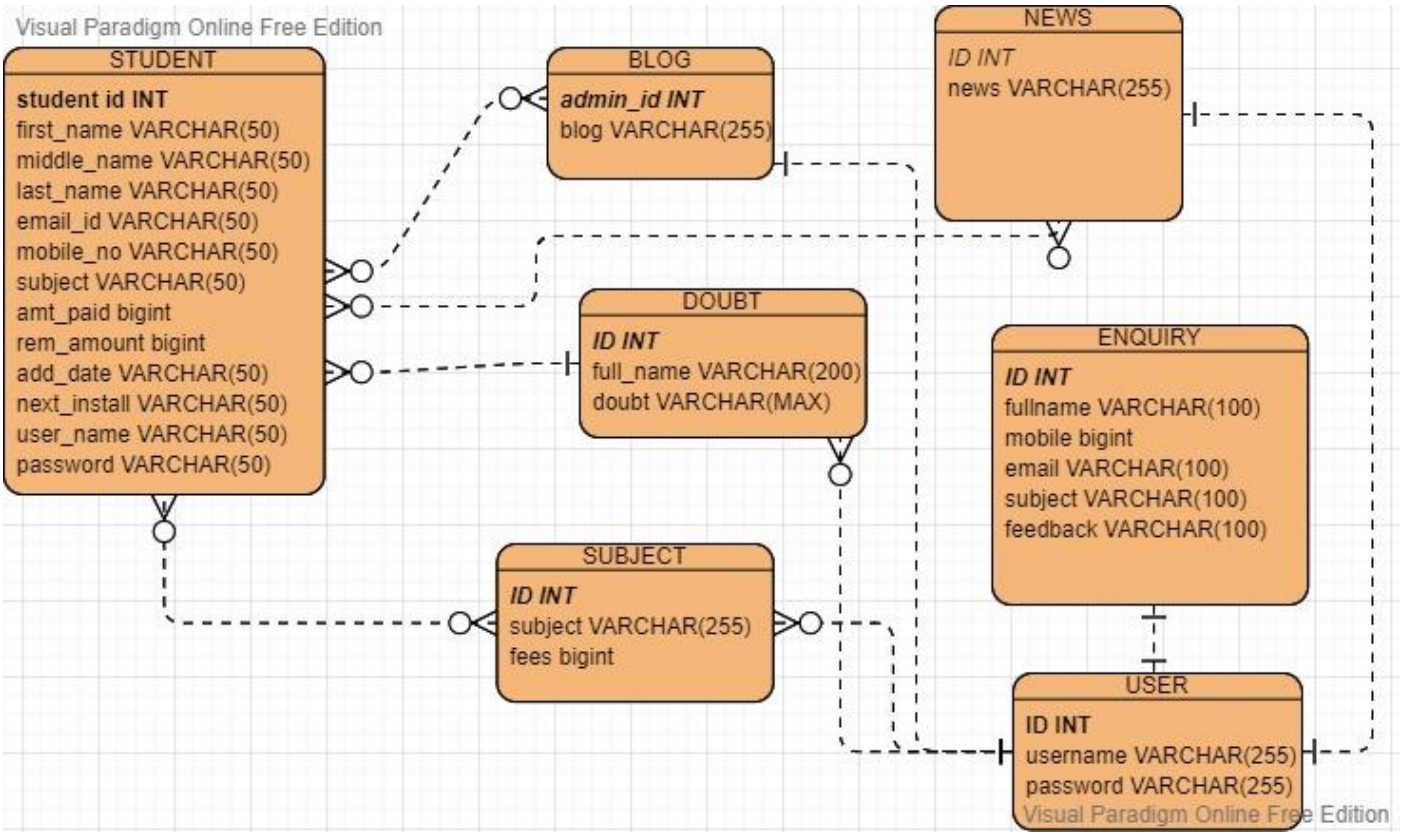
Student user case:

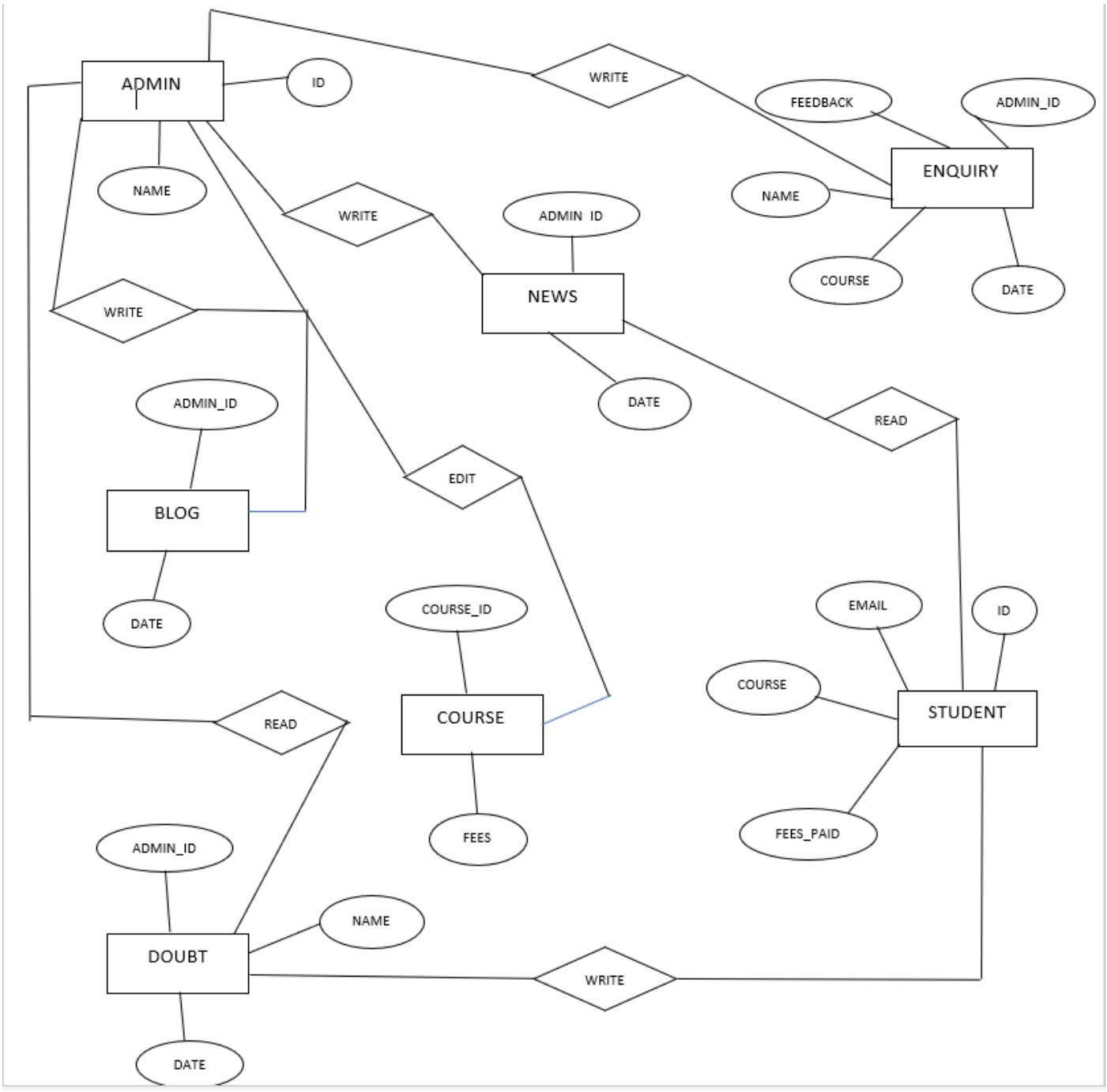


ADMIN USE CASE:



ER DIAGRAM


Visual Paradigm Online Free Edition
STUDENT
student id INT
first_name VARCHAR(50)
middle_name VARCHAR(50)
last_name VARCHAR(50)
email_id VARCHAR(50)
mobile_no VARCHAR(50)
subject VARCHAR(50)
amt_paid bigint
rem_amount bigint
add_date VARCHAR(50)
next_install VARCHAR(50)
user_name VARCHAR(50)
password VARCHAR(50)
BLOG
admin_id INT
blog VARCHAR(255)
NEWS
ID INT
news VARCHAR(255)
DOUBT
ID INT
full_name VARCHAR(200)
doubt VARCHAR(MAX)
ENQUIRY
ID INT
fullname VARCHAR(100)
mobile bigint
email VARCHAR(100)
subject VARCHAR(100)
feedback VARCHAR(100)
SUBJECT
ID INT
subject VARCHAR(255)
fees bigint
USER
ID INT
username VARCHAR(255)
password VARCHAR(255)
Visual Paradigm Online Free Edition


ADMIN
ID
WRITE
FEEDBACK
ADMIN_ID
ENQUIRY
NAME
NAME
WRITE
ADMIN ID
NEWS
COURSE
DATE
WRITE
DATE
READ
ADMIN_ID
EDIT
BLOG
DATE
COURSE_ID
EMAIL
ID
COURSE
STUDENT
READ
COURSE
FEES
FEES_PAID
ADMIN_ID
NAME
DOUBT
WRITE
DATE

TABLES:

STUDENT TABLE:

FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
FIRSTNAME	VARCHAR(50)	YES		NULL	
MIDDLENAME	VARCHAR(50)	YES		NULL	
LASTNAME	VARCHAR(50)	YES		NULL	
EMAIL_id	VARCHAR(50)	YES		NULL	
MOBILE_NO	BIGINT	YES		NULL	
SUBJECT	VARCHAR(50)	YES		NULL	
TOTAL_FEE	BIGINT	YES		NULL	
AMT_PAID	BIGINT	YES		NULL	
REM_AMOUNT	BIGINT	YES		NULL	
ADM_DATE	VARCHAR(50)	YES		NULL	
NEXT_INTDATE	VARCHAR(50)	YES		NULL	
USERNAME	VARCHAR(50)	YES		NULL	
PASSWORD	VARCHAR(50)	YES		NULL	
FULLNAME	VARCHAR(50)	YES		NULL	

ENQUIRY:

FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
FULLNAME	VARCHAR(100)	YES		NULL	

MOBILE	BIGINT	YES		NULL	
EMAIL	VARCHAR(100)	YES		NULL	
SUBJECT	VARCHAR(100)	YES		NULL	
FEEDBACK	VARCHAR(100)	YES		NULL	

BLOG:

FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
BLOG	VARCHAR(MAX)	YES		NULL	

LOGIN:

FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
USERNAME	VARCHAR(255)	YES		NULL	
PASSWORD	VARCHAR(255)	YES		NULL	

DOUBT:

FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
FULLNAME	VARCHAR(200)	YES		NULL	
DOUBT	VARCHAR(MAX)	YES		NULL	

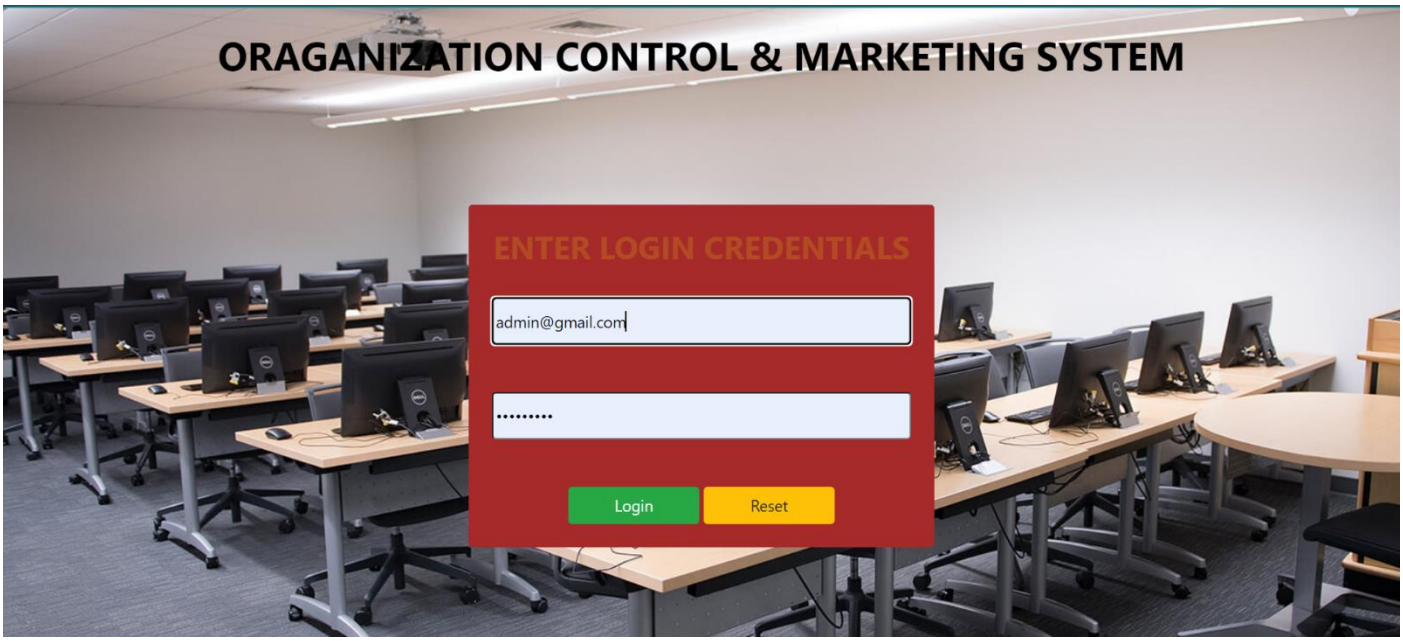
SUBJECT:

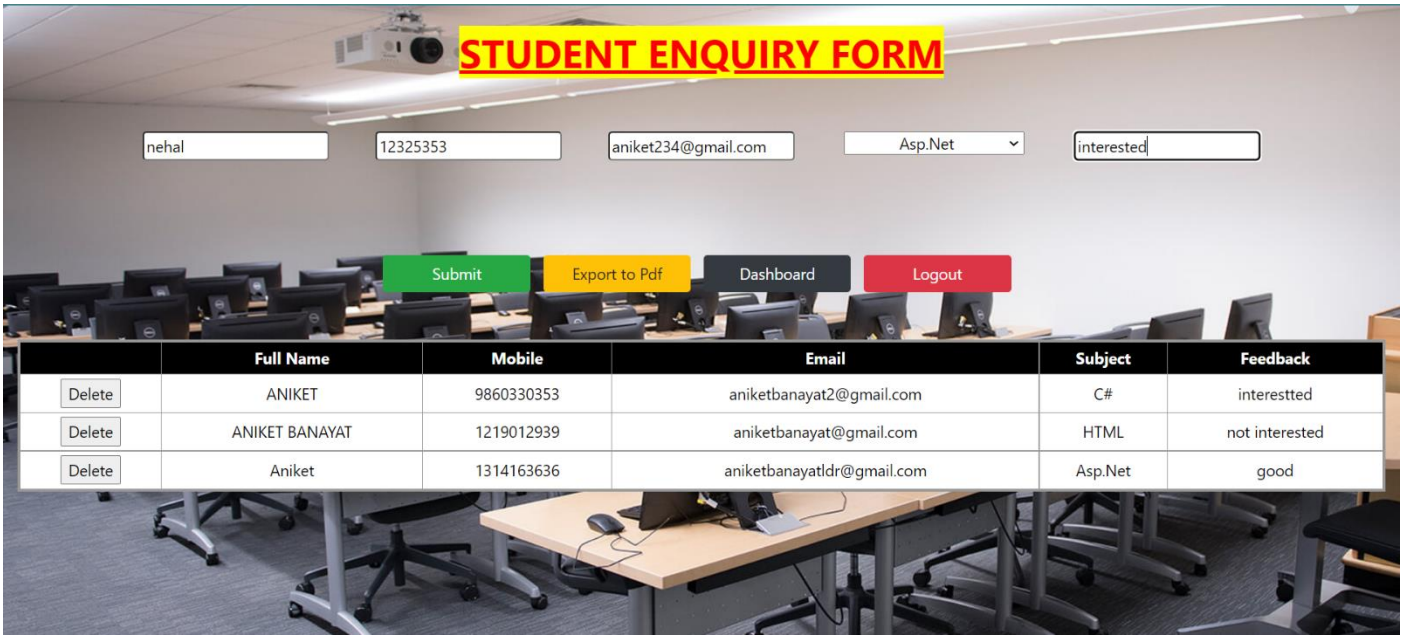
FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
SUBJECT	VAARCHAR(255)	YES		NULL	
FEES	BIGINT	YES		NULL	

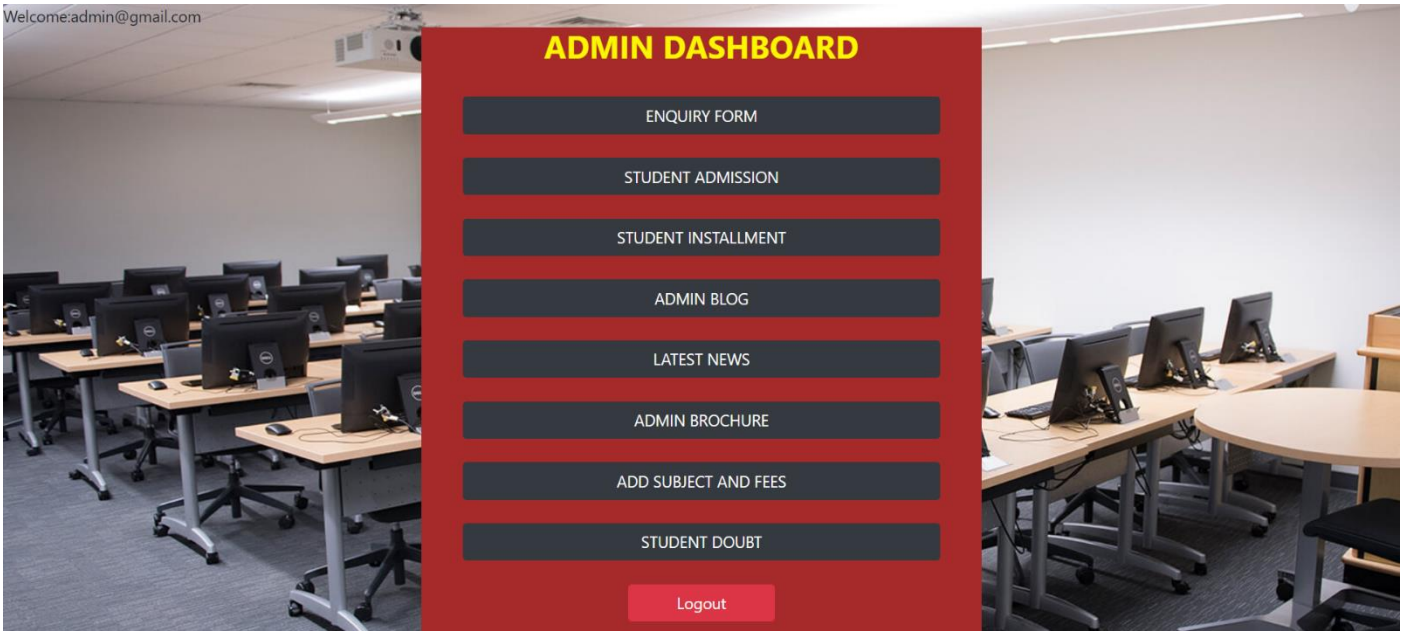
NEWS:

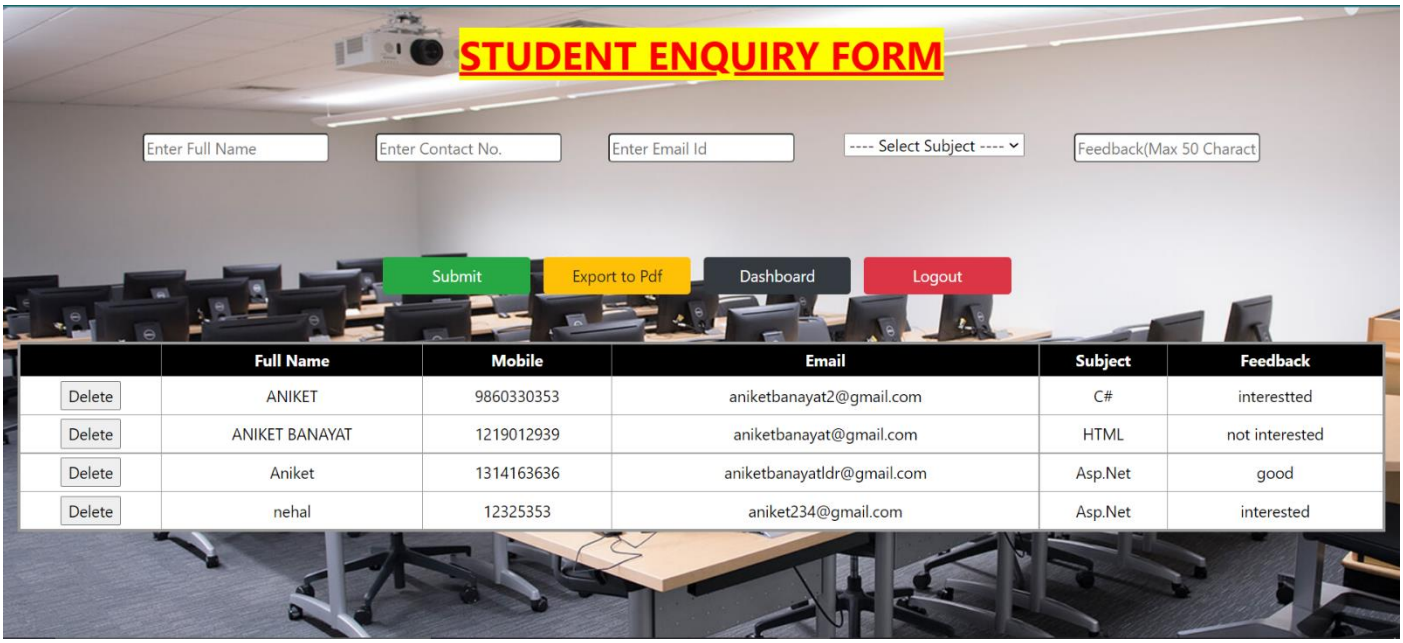
FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
ID (PRI)	INT	NO		NULL	
NEWS	VARCHAR(255)	YES		NULL	

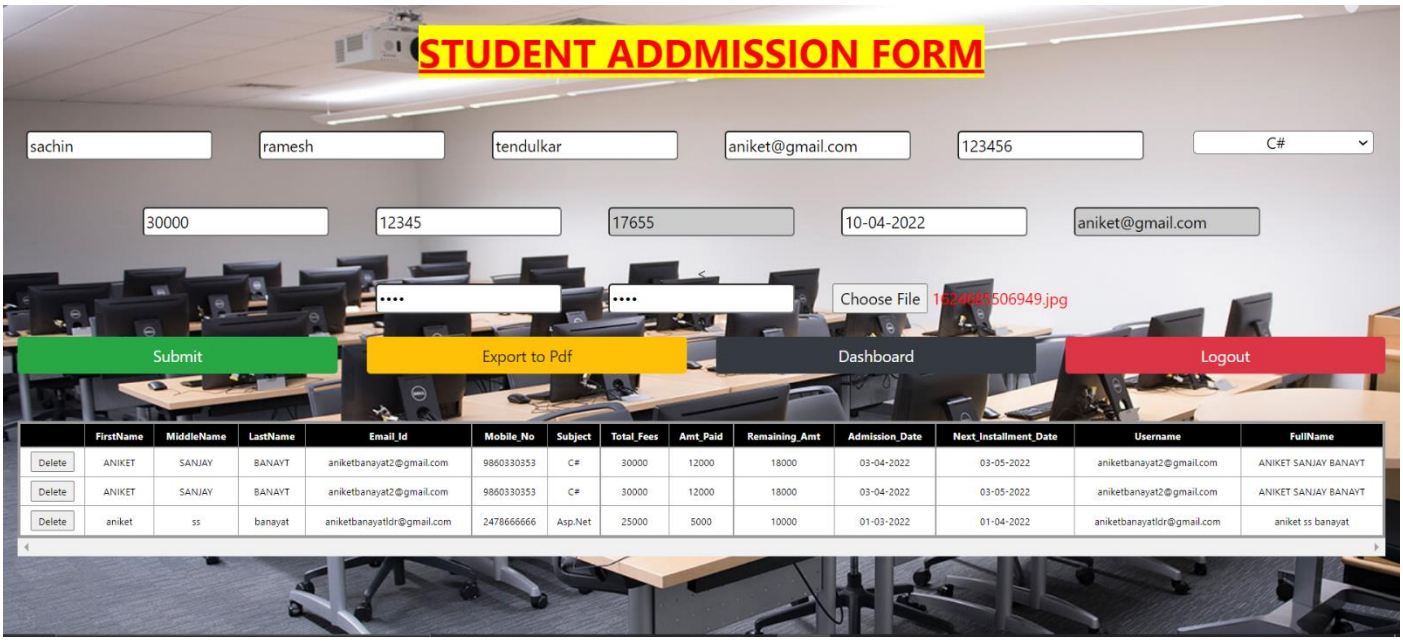
ORAGANIZATION CONTROL & MARKETING SYSTEM
ENTER LOGIN CREDENTIALS
aniketbanayatldr@gmail.com
....
Login
Reset

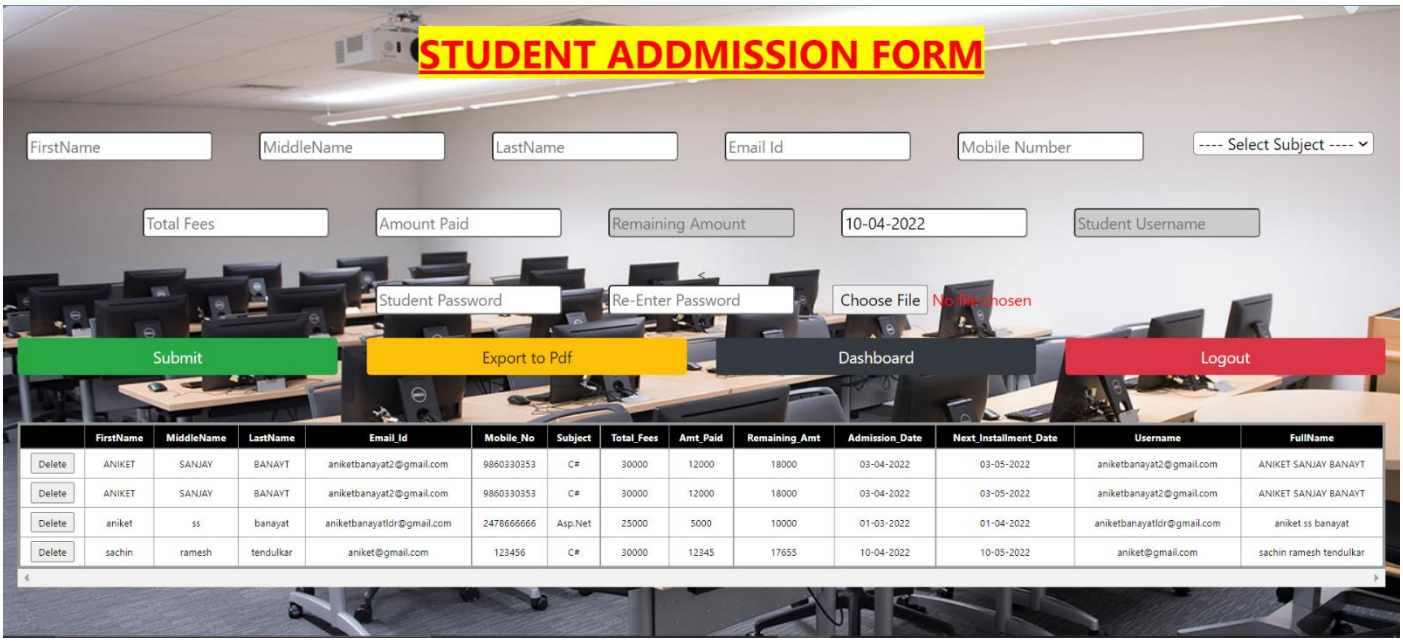

ORAGANIZATION CONTROL & MARKETING SYSTEM
ENTER LOGIN CREDENTIALS
admin@gmail.com
.....
Login
Reset

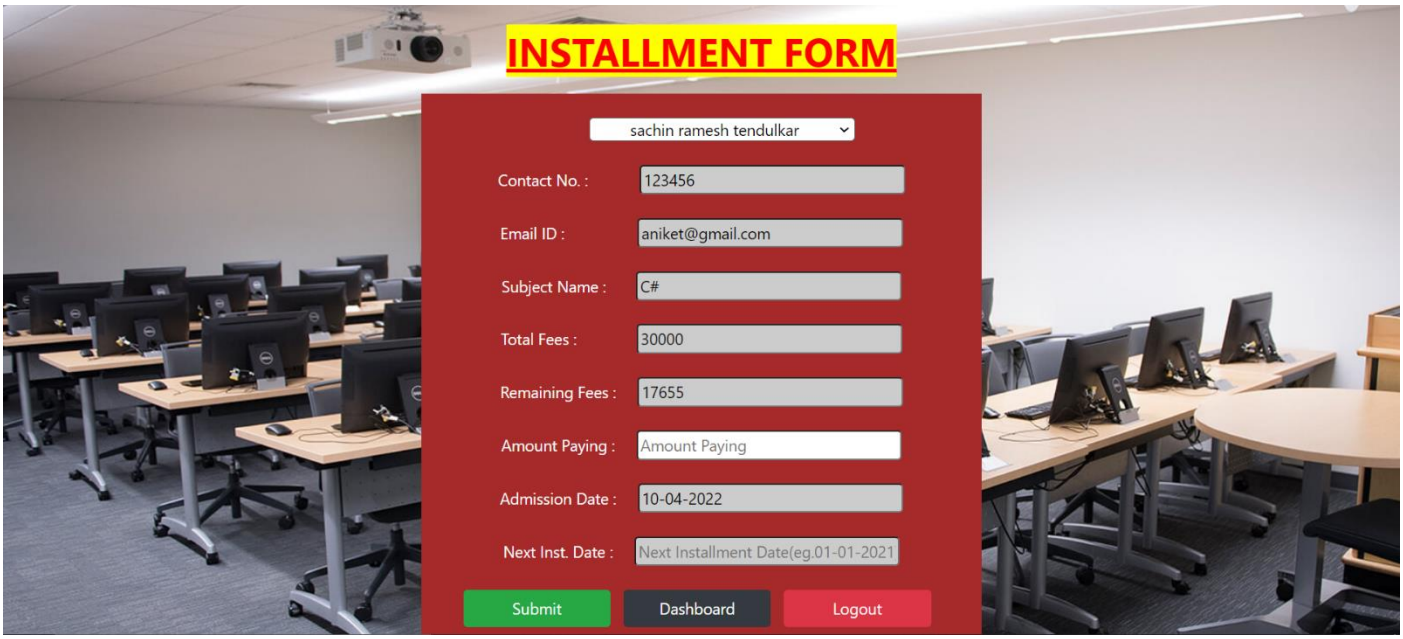

STUDENT ENQUIRY FORM
nehal
12325353
aniket234@gmail.com
Asp.Net
interested
Submit
Export to Pdf
Dashboard
Logout
Full Name
Mobile
Email
Subject
Feedback
Delete
ANIKET
9860330353
aniketbanayat2@gmail.com
C#
interestted
Delete
ANIKET BANAYAT
1219012939
aniketbanayat@gmail.com
HTML
not interested
Delete
Aniket
1314163636
aniketbanayatldr@gmail.com
Asp.Net
good

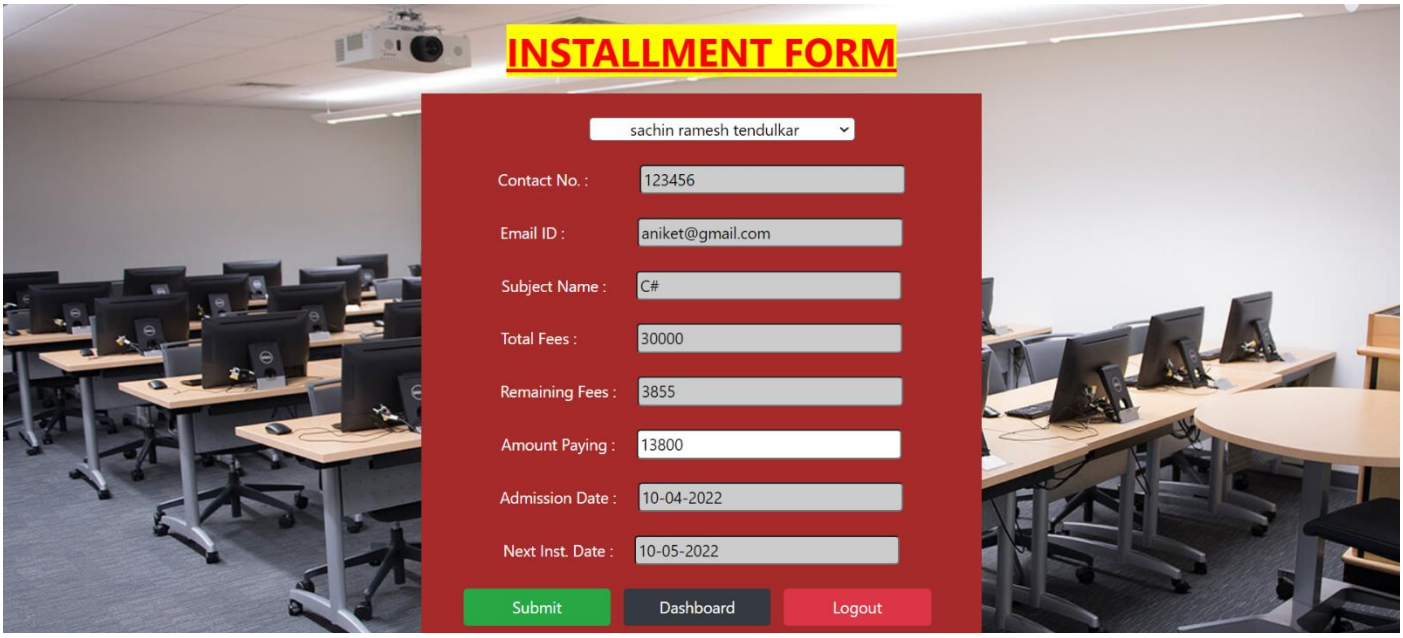

Welcome:admin@gmail.com
ADMIN DASHBOARD
ENQUIRY FORM
STUDENT ADMISSION
STUDENT INSTALLMENT
ADMIN BLOG
LATEST NEWS
ADMIN BROCHURE
ADD SUBJECT AND FEES
STUDENT DOUBT
Logout

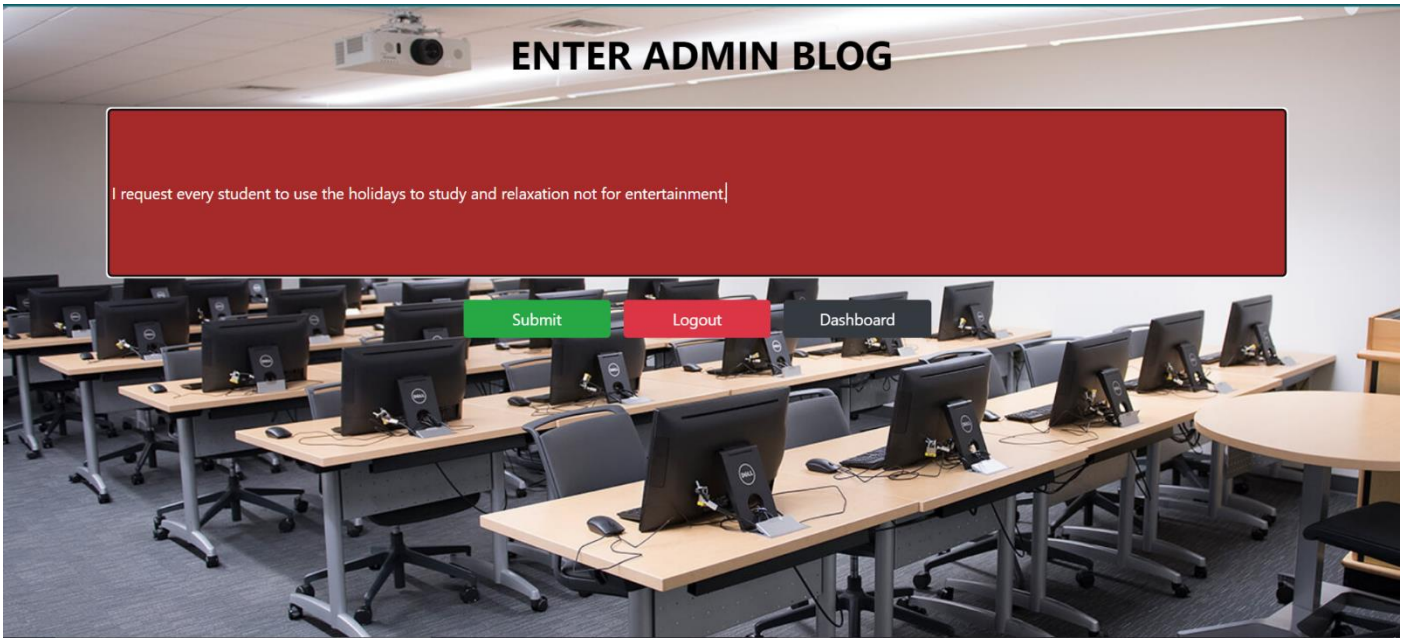

STUDENT ENQUIRY FORM
Enter Full Name
Enter Contact No.
Enter Email Id
---- Select Subject ----
Feedback(Max 50 Charact
Submit
Export to Pdf
Dashboard
Logout
Delete ANIKET 9860330353 aniketbanayat2@gmail.com C# interestted
Delete ANIKET BANAYAT 1219012939 aniketbanayat@gmail.com HTML not interested
Delete Aniket 1314163636 aniketbanayatldr@gmail.com Asp.Net good
Delete nehal 12325353 aniket234@gmail.com Asp.Net interested

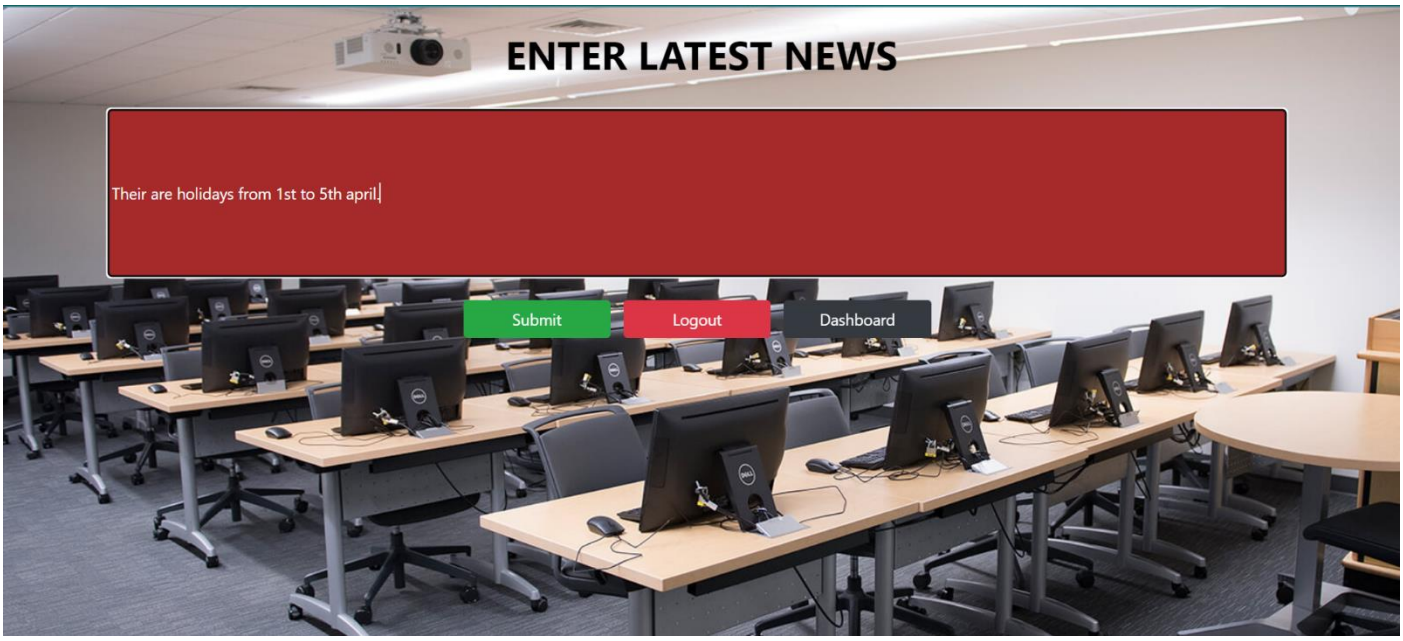

STUDENT ADDMISSION FORM
sachin
ramesh
tendulkar
aniket@gmail.com
123456
C#
30000
12345
17655
10-04-2022
aniket@gmail.com
Choose File
Submit
Export to Pdf
Dashboard
Logout
Delete ANIKET SANJAY BANAYT aniketbanayat2@gmail.com 9860330353 C# 30000 12000 18000 03-04-2022 03-05-2022 aniketbanayat2@gmail.com ANIKET SANJAY BANAYT
Delete ANIKET SANJAY BANAYT aniketbanayat2@gmail.com 9860330353 C# 30000 12000 18000 03-04-2022 03-05-2022 aniketbanayat2@gmail.com ANIKET SANJAY BANAYT
Delete aniket ss banayat aniketbanayatldr@gmail.com 2478666666 Asp.Net 25000 5000 10000 01-03-2022 01-04-2022 aniketbanayatldr@gmail.com aniket ss banayat

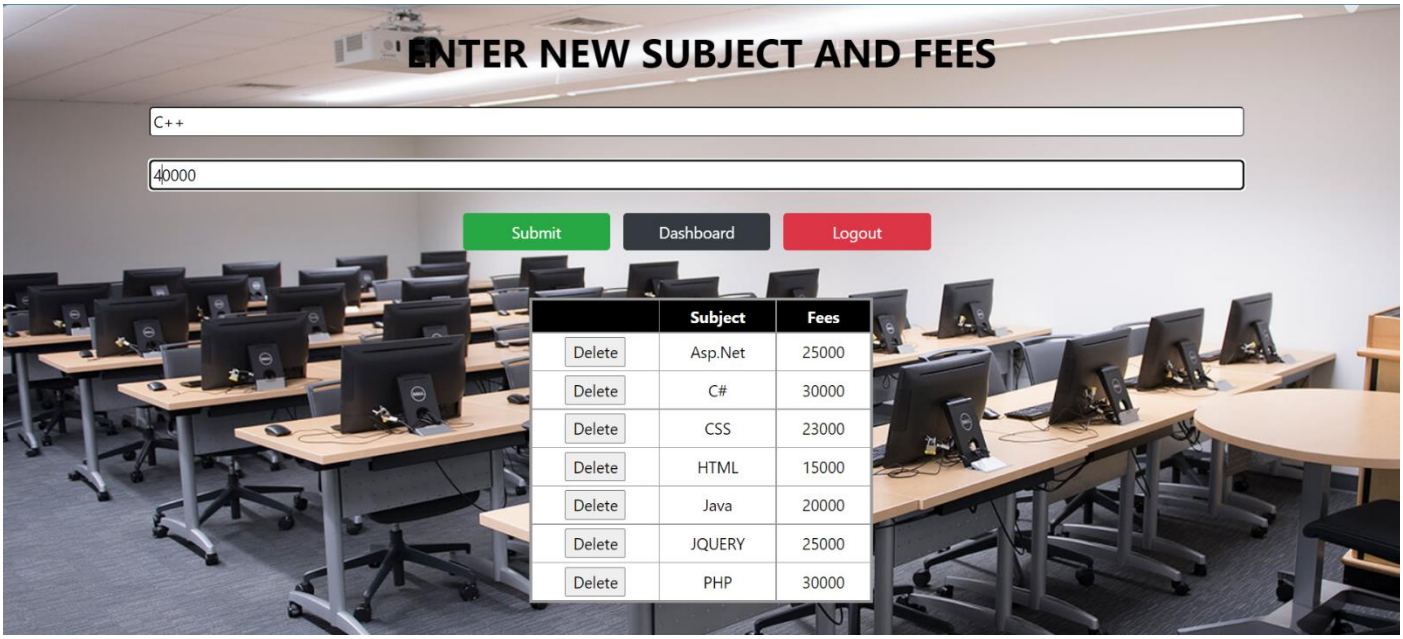

STUDENT ADDMISSION FORM
FirstName
MiddleName
LastName
Email Id
Mobile Number
---- Select Subject ----
Total Fees
Amount Paid
Remaining Amount
10-04-2022
Student Username
Student Password
Re-Enter Password
Choose File
No file chosen
Submit
Export to Pdf
Dashboard
Logout
Delete ANIKET SANJAY BANAYT aniketbanayat2@gmail.com 9860330353 C# 30000 12000 18000 03-04-2022 03-05-2022 aniketbanayat2@gmail.com ANIKET SANJAY BANAYT
Delete ANIKET SANJAY BANAYT aniketbanayat2@gmail.com 9860330353 C# 30000 12000 18000 03-04-2022 03-05-2022 aniketbanayat2@gmail.com ANIKET SANJAY BANAYT
Delete aniket ss banayat aniketbanayatldr@gmail.com 2478666666 Asp.Net 25000 5000 10000 01-03-2022 01-04-2022 aniketbanayatldr@gmail.com aniket ss banayat
Delete sachin ramesh tendulkar aniket@gmail.com 123456 C# 30000 12345 17655 10-04-2022 10-05-2022 aniket@gmail.com sachin ramesh tendulkar


INSTALLMENT FORM
sachin ramesh tendulkar
Contact No. :
123456
Email ID :
aniket@gmail.com
Subject Name :
C#
Total Fees :
30000
Remaining Fees :
17655
Amount Paying :
Amount Paying
Admission Date :
10-04-2022
Next Inst. Date :
Next Installment Date(eg.01-01-2021
Submit
Dashboard
Logout


INSTALLMENT FORM
sachin ramesh tendulkar
Contact No. :
123456
Email ID :
aniket@gmail.com
Subject Name :
C#
Total Fees :
30000
Remaining Fees :
3855
Amount Paying :
13800
Admission Date :
10-04-2022
Next Inst. Date :
10-05-2022
Submit
Dashboard
Logout


ENTER ADMIN BLOG
I request every student to use the holidays to study and relaxation not for entertainment
Submit
Logout
Dashboard


ENTER LATEST NEWS
Their are holidays from 1st to 5th april.
Submit
Logout
Dashboard


ENTER NEW SUBJECT AND FEES
C++
40000
Submit
Dashboard
Logout
Subject
Fees
Delete
Asp.Net
25000
Delete
C#
30000
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CSS
23000
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Java
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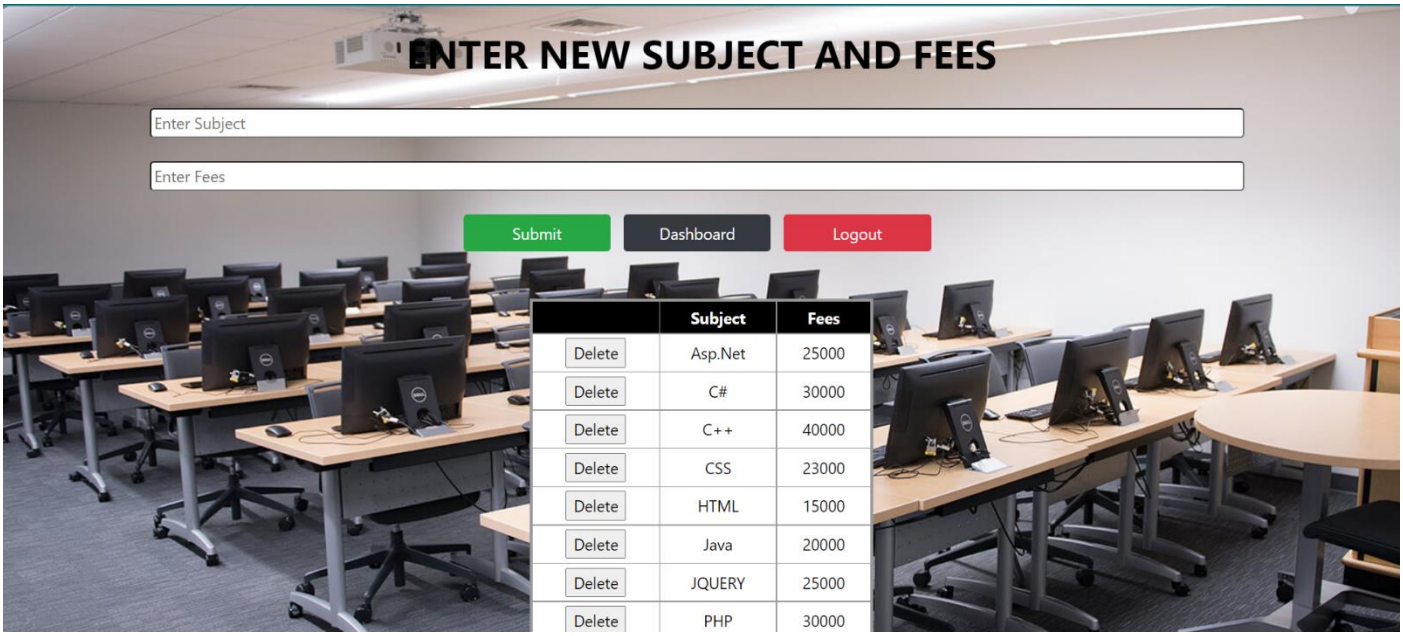
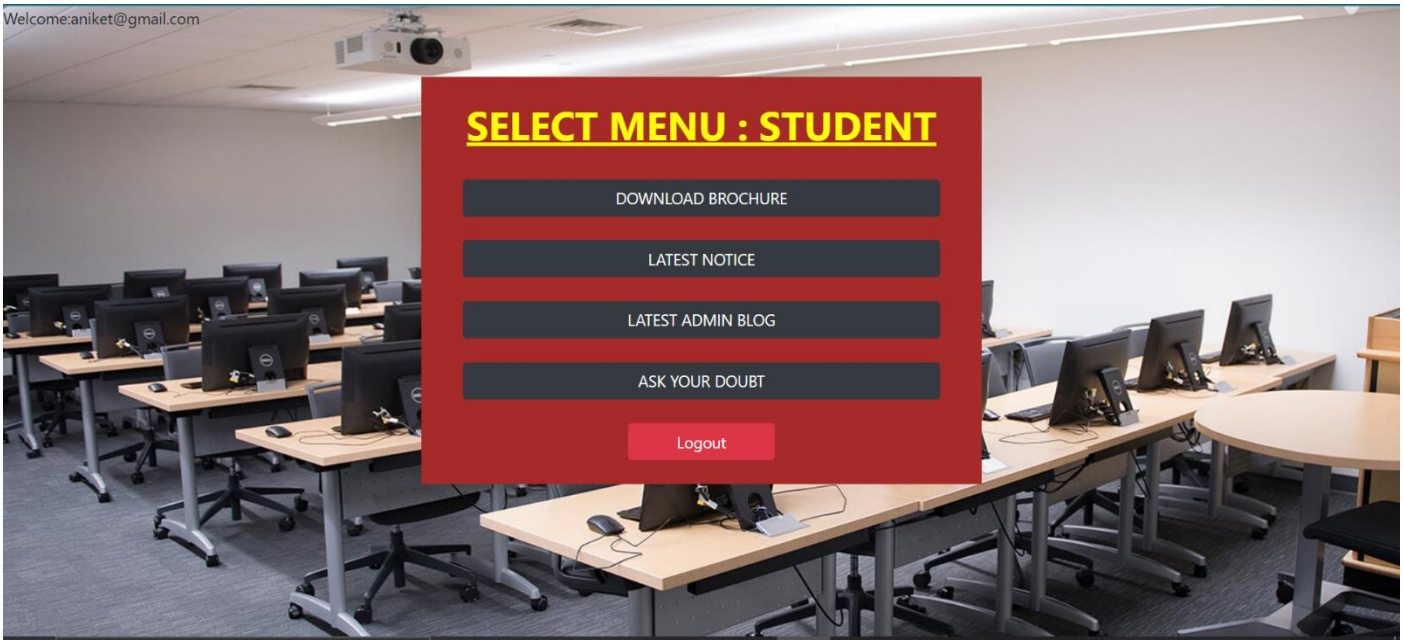
25000
Delete
PHP
30000


ENTER NEW SUBJECT AND FEES
Enter Subject
Enter Fees
Submit
Dashboard
Logout
Subject
Fees
Delete
Asp.Net
25000
Delete
C#
30000
Delete
C++
40000
Delete
CSS
23000
Delete
HTML
15000
Delete
Java
20000
Delete
JQUERY
25000
Delete
PHP
30000


Welcome:aniket@gmail.com
SELECT MENU : STUDENT
DOWNLOAD BROCHURE
LATEST NOTICE
LATEST ADMIN BLOG
ASK YOUR DOUBT
Logout

6. CONCLUSION

Conclusion:

This project aid in automating the existing manual system. This is a paperless work. It can be monitored and guarded remotely. It cut down the man power required and provides accurate information. All years together huddled information can be saved and can be accessed at any time. For this reason, the data stored in the repository helps in taking decision by management. So, it is improved to have a Web Based system. All the stakeholders, faculty and authority can get the required information without delay. This system is crucial in the colleges and universities.

Future Scope:

This project can be enhanced further by adding payable additional courses, online feedback system, online payment facility for the members to reduce the extra work of the admin. The software is flexible enough to be modified and implemented as per future requirements. We have tried our best to present this free and user–friendly website to Institutes.

References:

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