



SE Project

Fee Administration System

Group Members :-

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INTRODUCTION: -

The Admission is one of the key factor for the university .the lesser the admission there will be less result.so the registration should be fully fledged system as there should not be any discomfort for the administrator as well as the students. In this project the administrator facilitated by online system to register the students, add up there interested course and transportation/hostel and finally produced the Fee receipt and the whole data is stored in a secure manner along with backup. system will handle the document submission, testing process and registration of new students. The project deals with the various activities of the student to keep quite easier and simpler.

Through this student registration system we can overcome some problems such as:

- 1)A lot of time is saved
- 2)Money is saved
- 3)As no handwritten process it reduce the more labour and also labour cost.

1)Purpose :-

The main purpose of this document to familiarize the administrator and the student to familiarize with the software . Specification describes all hardware and software requirements for product, behavior of it and its components. Software Requirements Specification (SRS) allows to verify the student that all his requirements are observed and implemented correctly by developer. The intended audience for the SRS reading consists of system end-users (patrons), customer engineers, software developers .

2)Scope of the Project :-

The purpose of the registration project is to make it possible for administrators to be able make student registration online . It will be able to automate the various operations of the university. Our University Admission System will have two end users: Administrator, Student. Student Management System will consist of a software that will allow to select course ,transport etc. Administrator will be able to view the financial report and update student information such as cost and category. The main goal of this introduced automated student software is to simplify the registration process of the university. Day to day university are increasing and they need to be automated to provide student easy access. It enables the Administration management team to efficiently serve the students . This automation will be able to overcome the drawbacks of maintaining students .

3)Product Description :-

The main perspective of this project is to provide an online platform for student registration with secure payment gateway and easy access . SRS Software Requirement System student registration system, DBMS Database Management System provides various booking options so that they can reserve the course of their choice. It also provides them with an option of transportation or accommodation . Also it streamlines the billing process by maintaining students records.

4) Product Functions :-

- Student Personal Details
- Transport/Accommodation
- Fee payment

- Store in MySQL Database
- Update/delete student record

5)User Characteristics

There are 2 user Levels in our Student Registration System:

1)Administrator

2)Student

1)Administrator :-he performs all the required function the portal access is only for the administrator. He only can insert/update/delete records of students and teacher.

2)Student : the student can only view about his details weather it was correct or not but he cant modify any details.

6)Assumption and Dependencies :-

It is assumed that the system developed will work perfectly. That's going to be developed under the Windows OS, Sql database. If in case of any difficulties, SRS should be flexible enough to change accordingly.

Functional Requirements :-

Registration the student should be able to register with their details The system should record following student details into a member database. Name ,Email, Password ,Address and Phone no, course etc. and also add the teacher details.

Login:- The system should verify the customer email & password against the member database when The system should allow Receptionist to update, add or delete booking information.

Student:-Here student cant modify any details but only he can view the correct details entered or not and inform management.

Performance Requirements :-

Data in the database should be updated within seconds.. Query results must return results within 5 seconds Load time of UI Should not take more than seconds . Login Validation should be done within 3seconds Response to student must be done within minutes

Non functional Requirements :-

1)Performance Requirements

- The system shall accommodate more number of students and teachers without any fault.

.This software is not breakdown suddenly in any disaster like power failure.

- The development of the software will be based on the object-oriented model.

- The timeline of this software must be in our mind.

- The performance of the functions and every module must be well.

- At every step the output of the one phase is the input of the other phase and it will be reliable and accurate.

- The risk factor must be taken at initial step for better performance of the software.

- For individual function the performance will be well.

- For login to the software password and user name will be matched to the password and name

2) Safety Requirements

- System use shall not cause any harm to human users.

3) Security Requirements

- System will use secured database.
- There will be proper security regarding to the accessing of data.
- The external security can be provided by given the login authentication.
- The data that are stored in the database must be private.
- There is also required a user authentication.
- There is also the facility that the admin can lock his private data that will not be accessed by anyone.

Software Quality

Attributes

Our software has many quality attribute that are given below

- 1)Adaptability This software is can be adaptable by any organization.
- 2) Availability- The availability of the software is easy and for everyone.
- 3)Correctness- The results of the function are pure and accurate.
- 4) Flexibility- The operation may be flexible and reports can be presented in many ways.

5) Maintainability- After the deployment of the project if any error occurs then it can be easily maintain by the software developer.

6) Portability-The software can be deployed at any machine

Specific Specifications: -

SOFTWARE REQUIREMENT:

Front end:

- Android developer tool (MyEclipse/NetBeans)
- Advance java

Back end:

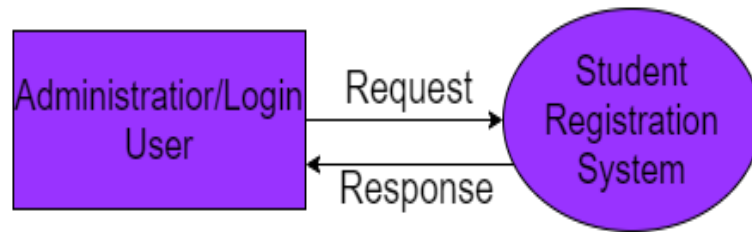
- MySQL Workbench

HARDWARE REQUIREMENTS:

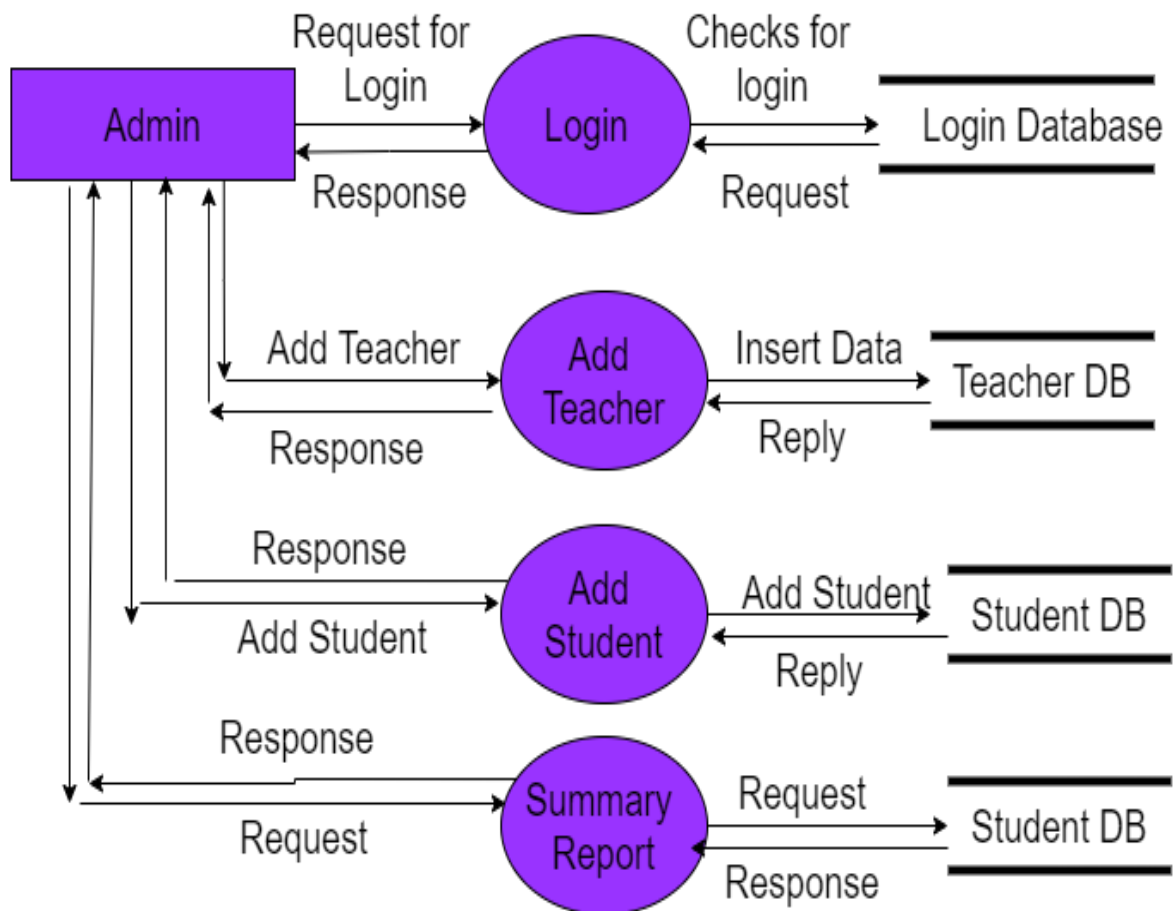
- minimum 4GB ram
- 1.2 GHz processor
- Intel i5
- Windows 7/8/8.1/10
- Max HDD: 10 GB, RAM: 128MB

1)DFD Model :-

DFD-0



DFD-1



Data Dictionary :-

Student Table :-

Field Name	Data Type	Size	Null	Description
PersonId	bigint		not	Primary Key
Date_Of_join	Date		not	
Name	Varchar	50	not	
Fathers_Name	Varchar	50	not	
Nationality	Varchar	50	not	
Email_Id	Varchar	50	not	
Contact_No	Bigint		not	
Adress	Varchar	50	not	
Gender	Varchar	20	not	
12th_percentage	bigint		not	
10th_percentage	bigint		not	
Course	Varchar	20	not	
Branch	Varchar	20	not	
Accommodation	Varchar	20	not	
Fees	Varchar	50	not	

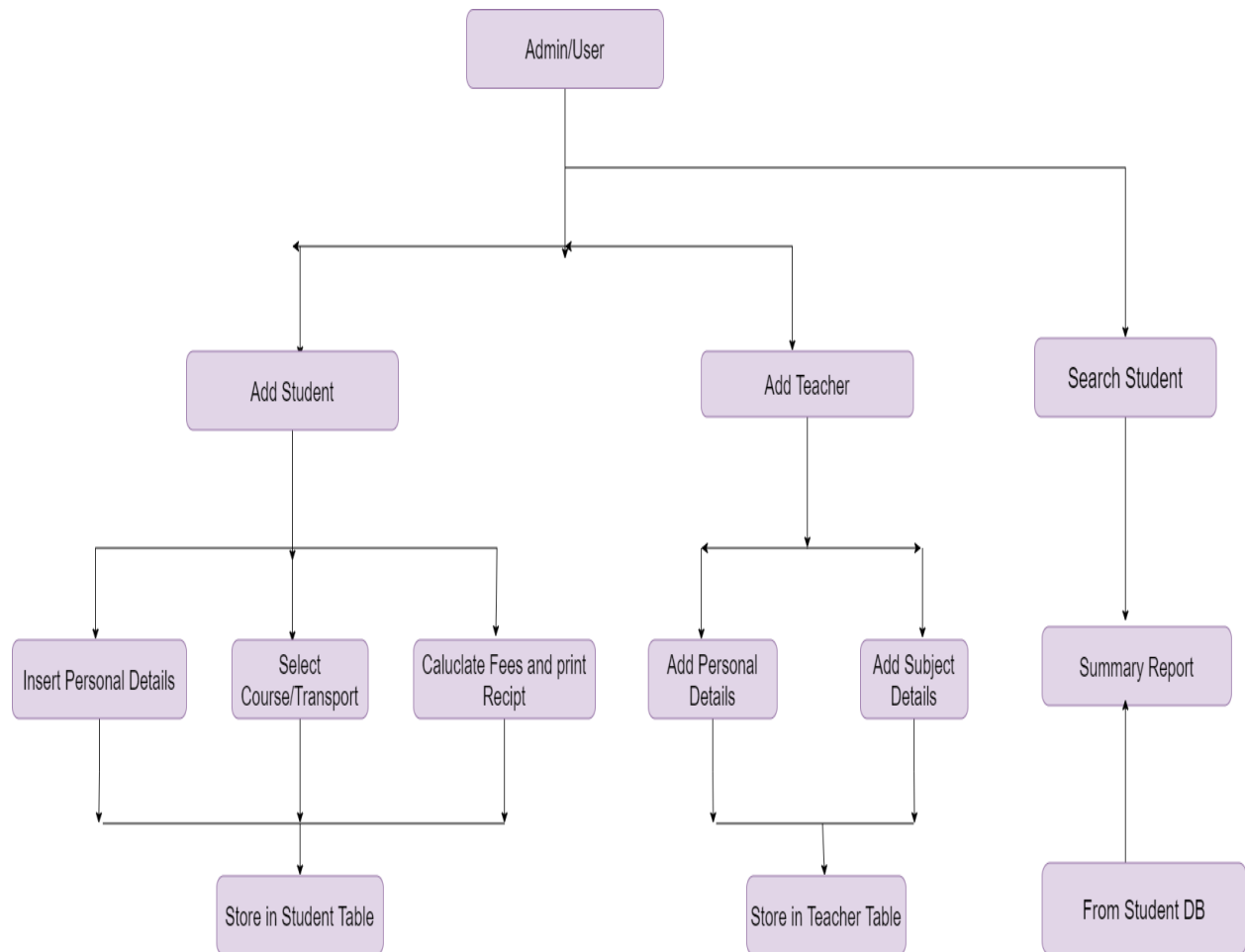
Login Table :-

Field_Name	Data Type	Size	Description
Id	bigint		Primary Key
Name	Varchar	50	
Password	Varchar	50	

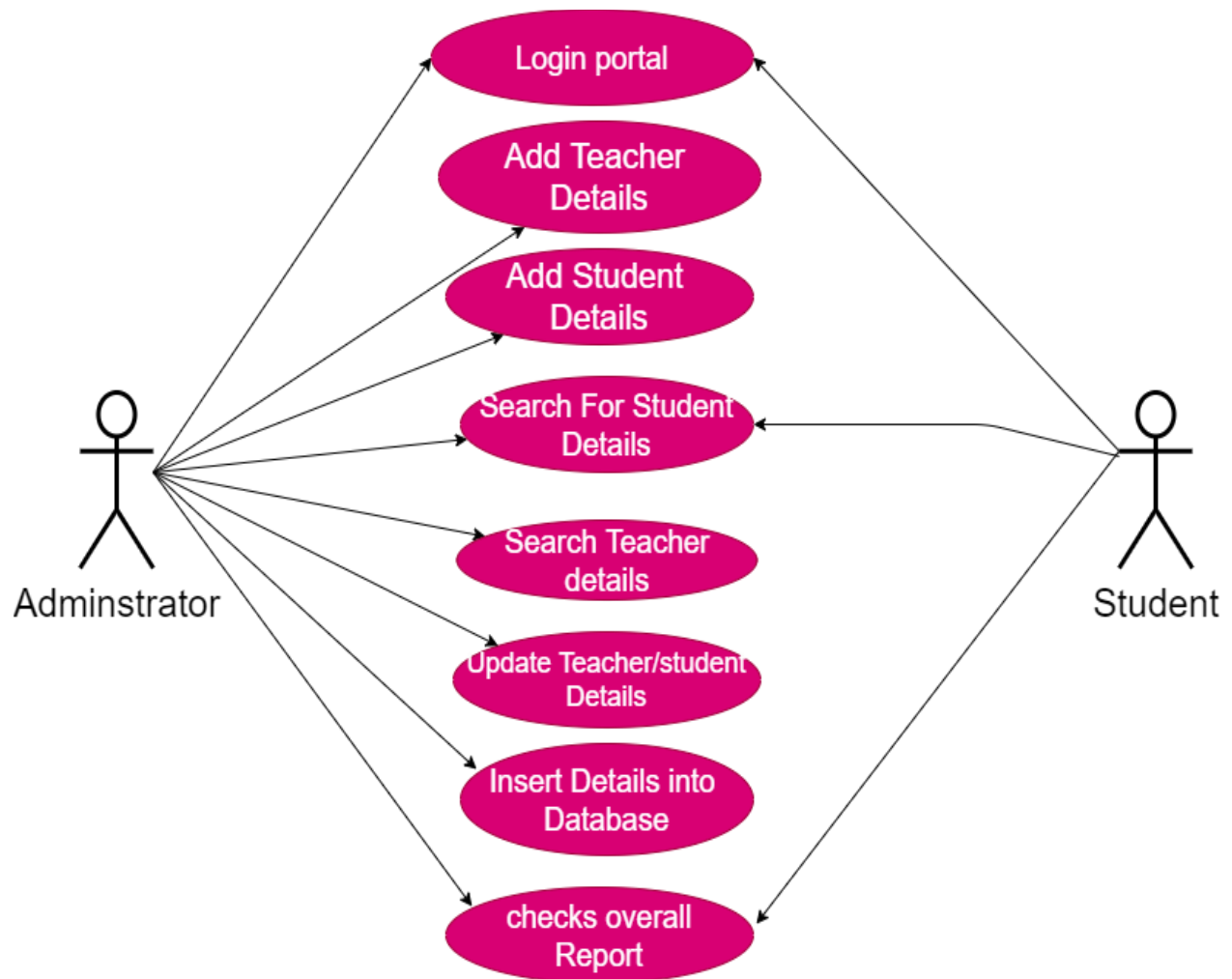
Teacher Table:-

Field_name	Data Type	Size	NULL
Name	Varchar	50	
age	Bigint		Not
Gender	Varchar	20	not
D_O_B	Date		not
Phone_no	Bigint		not
subject_teaches	Varchar	30	not
Location	Varchar	30	not
Aadhar_no	Varchar	50	not

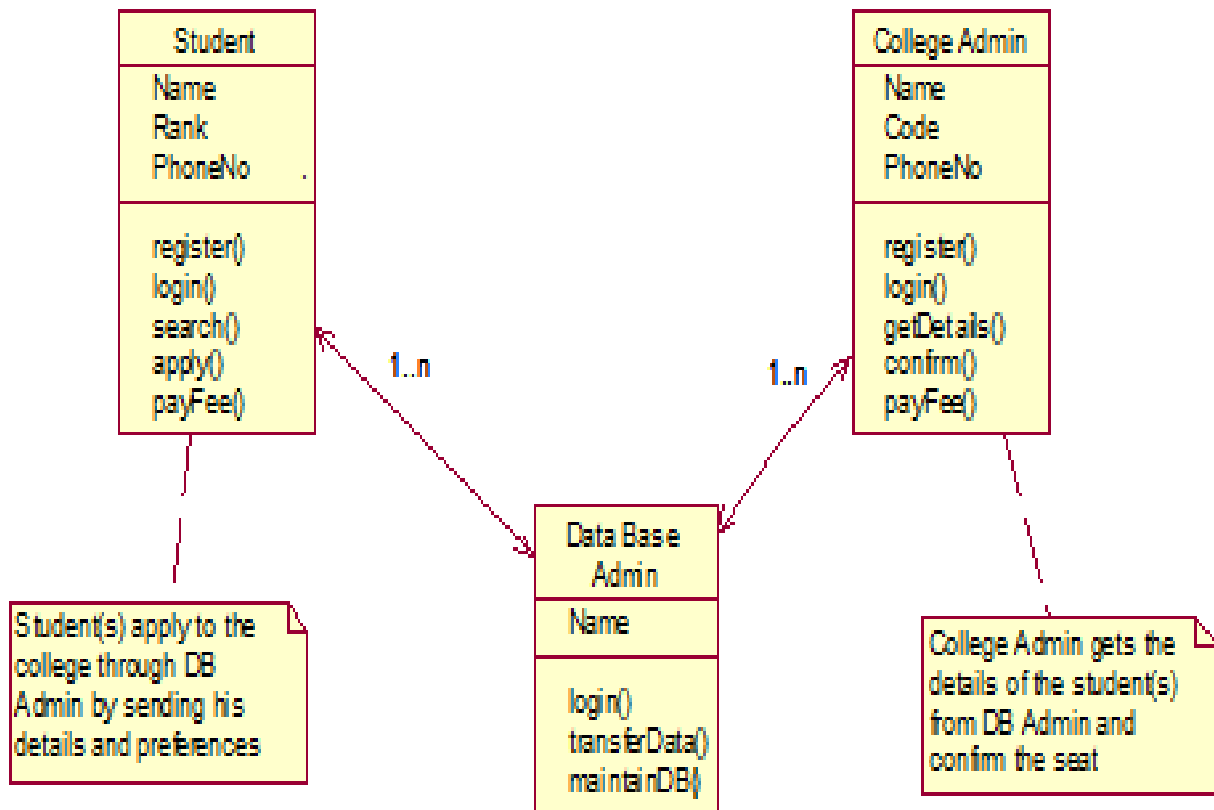
Structured Chart :-



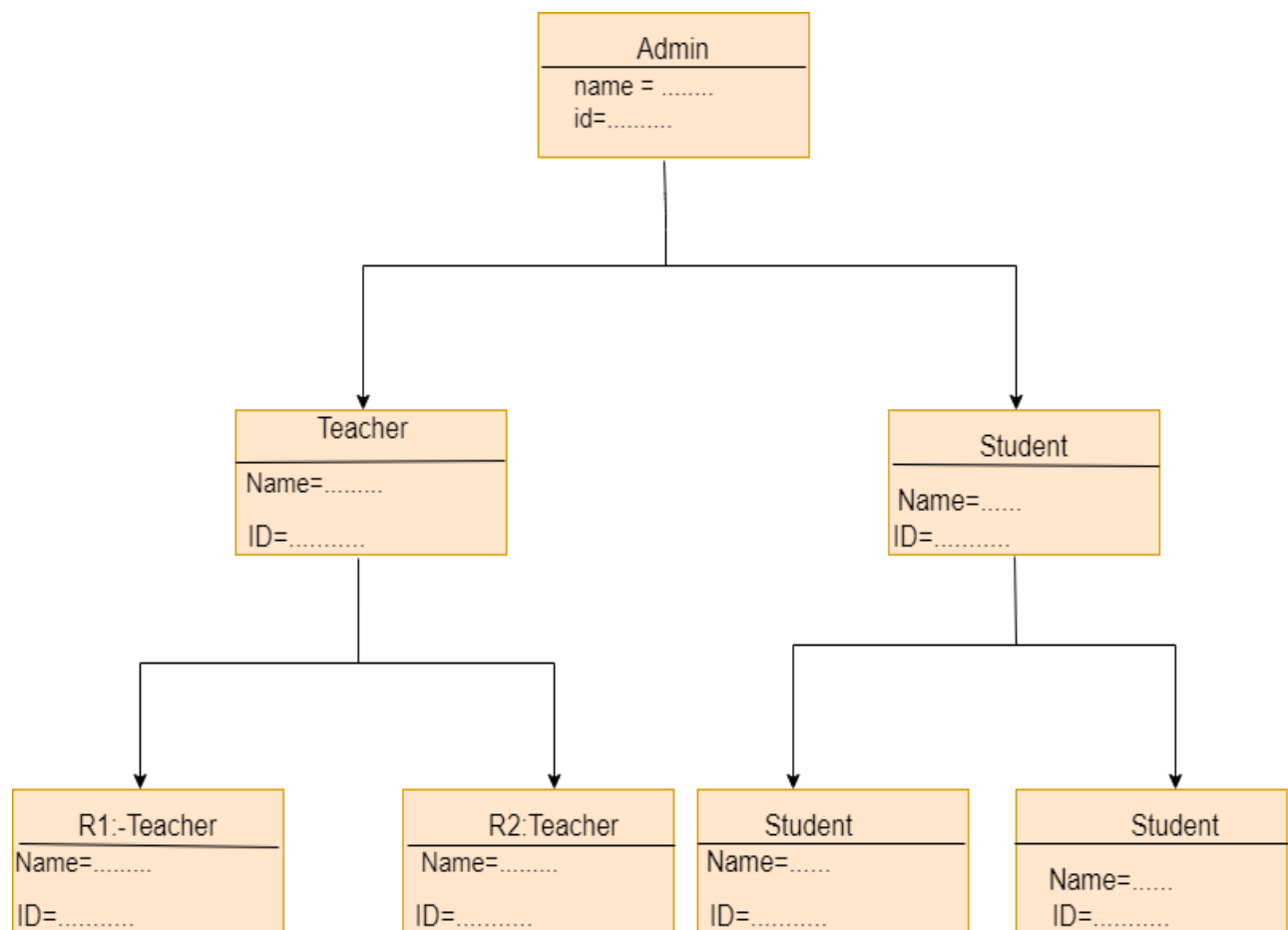
Use Case Diagram :-



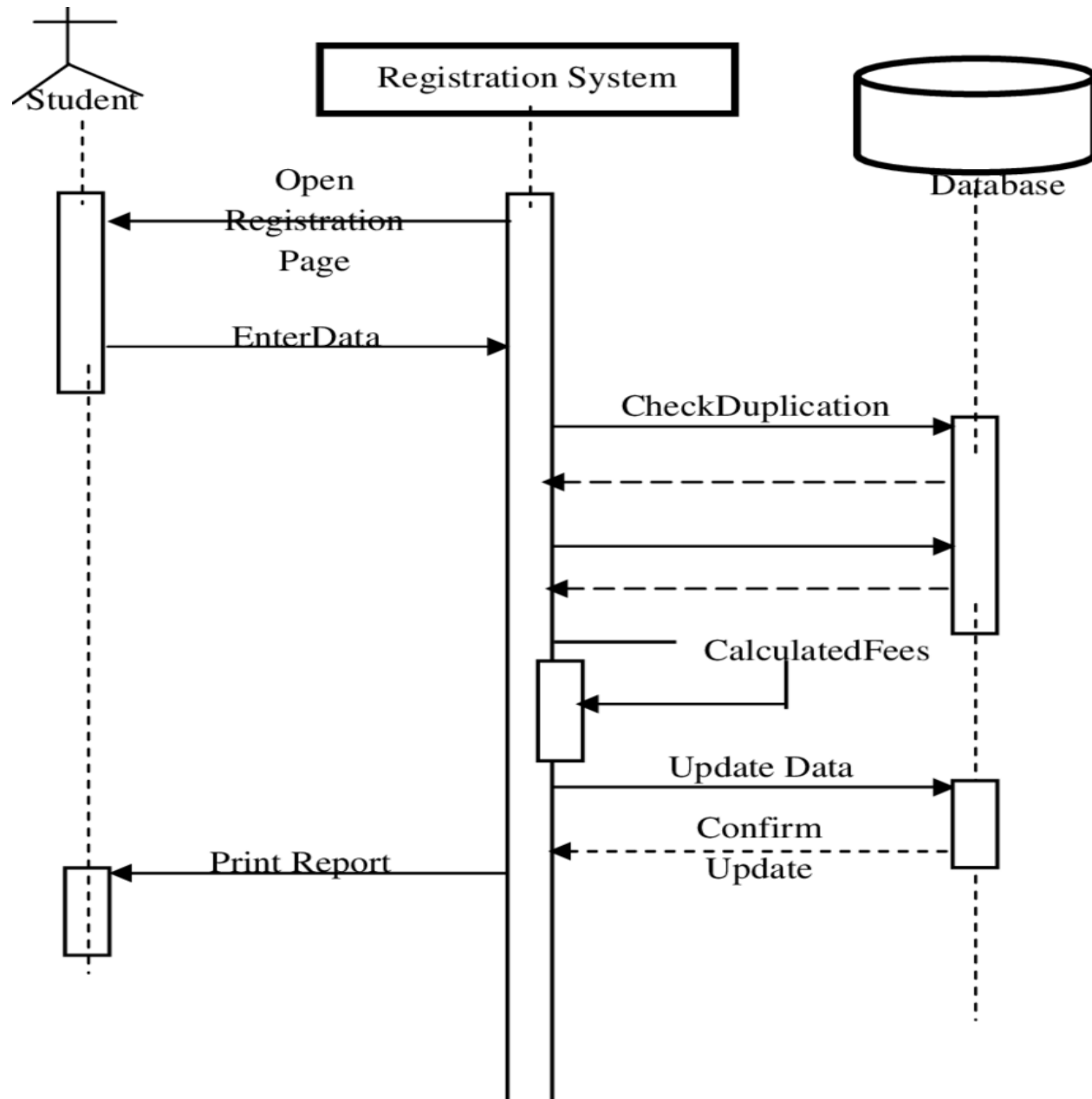
Class Diagram :-



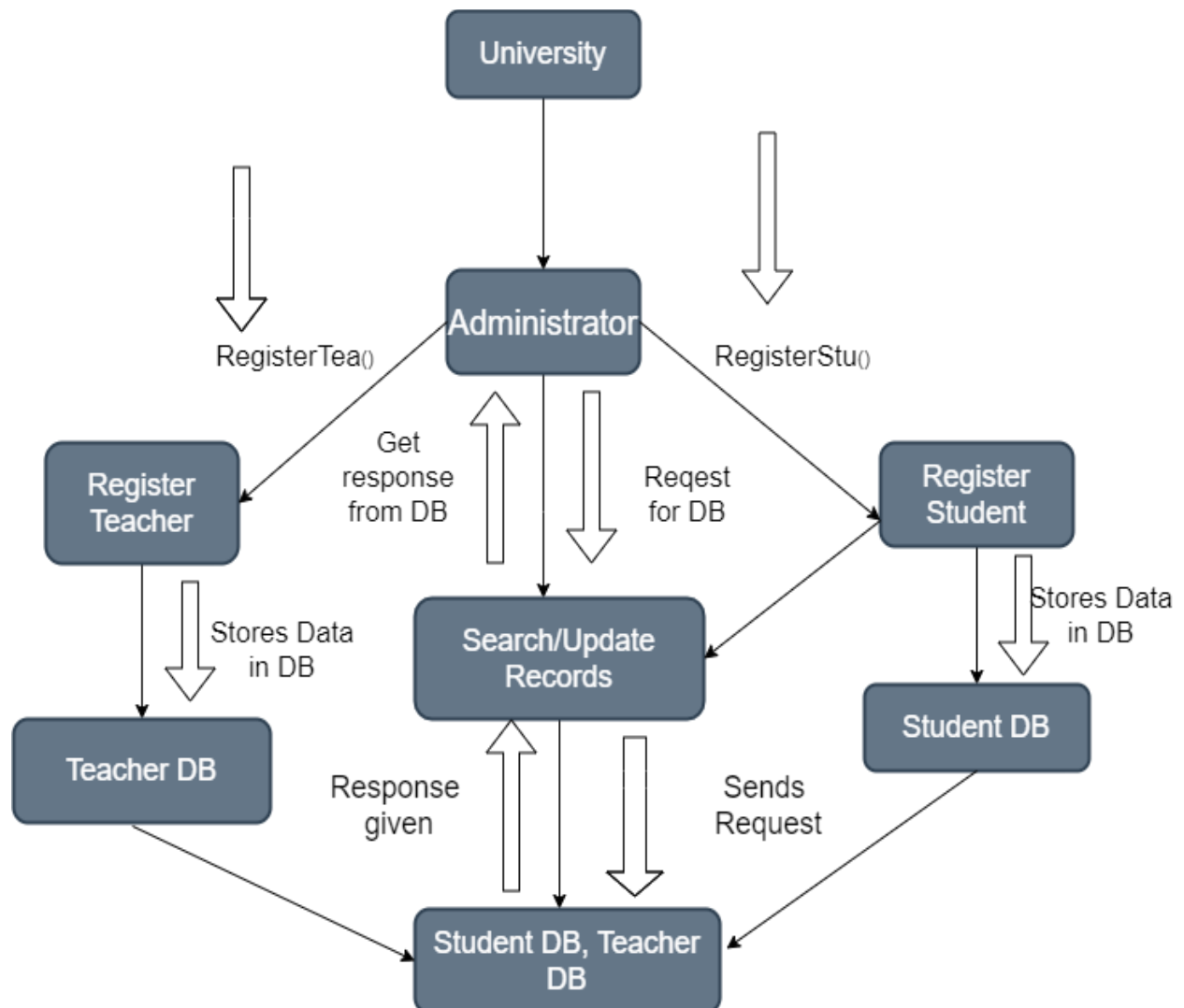
Object Diagram :-



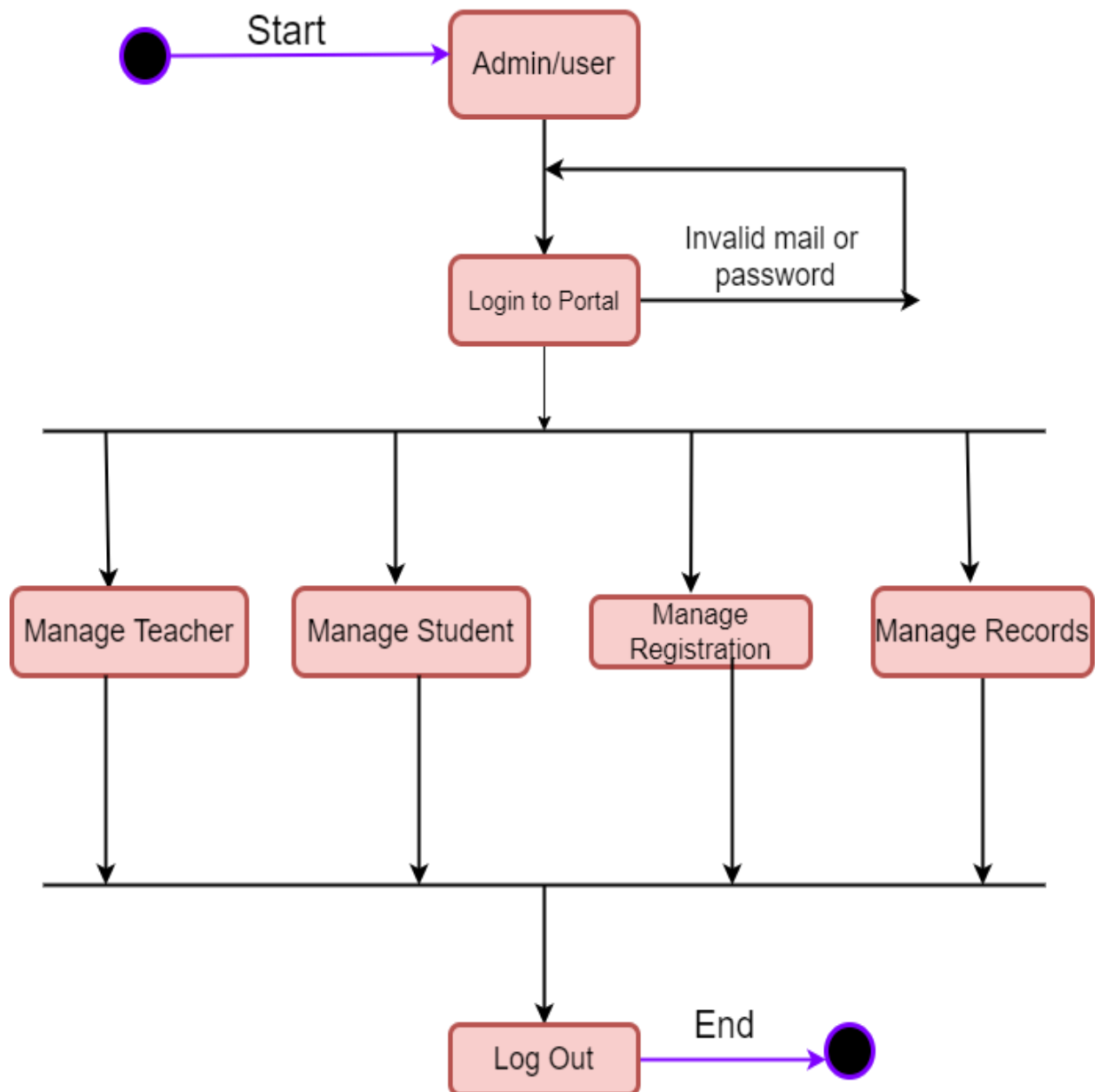
Sequence Diagram :-



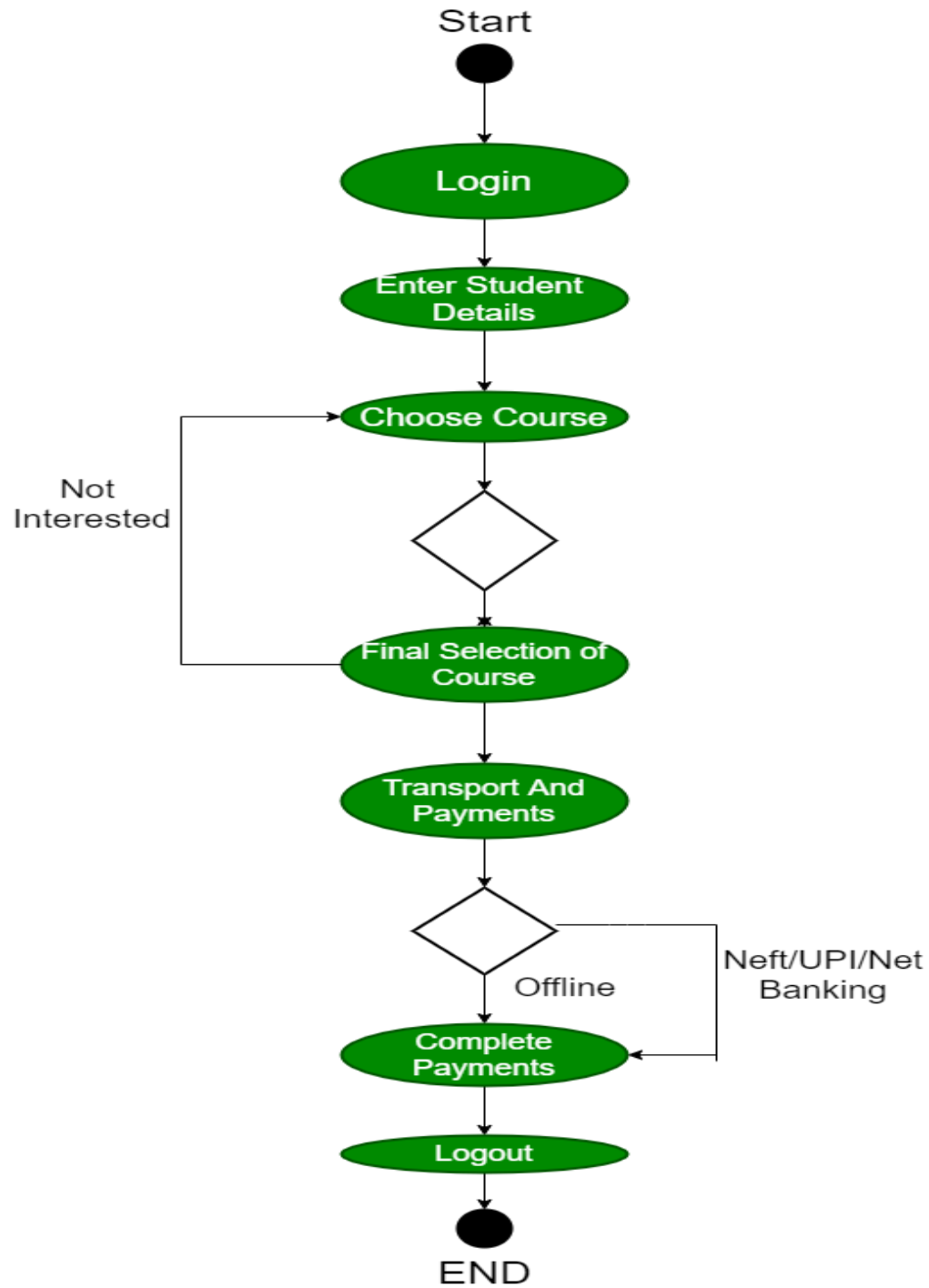
Collabroration Diagram :-



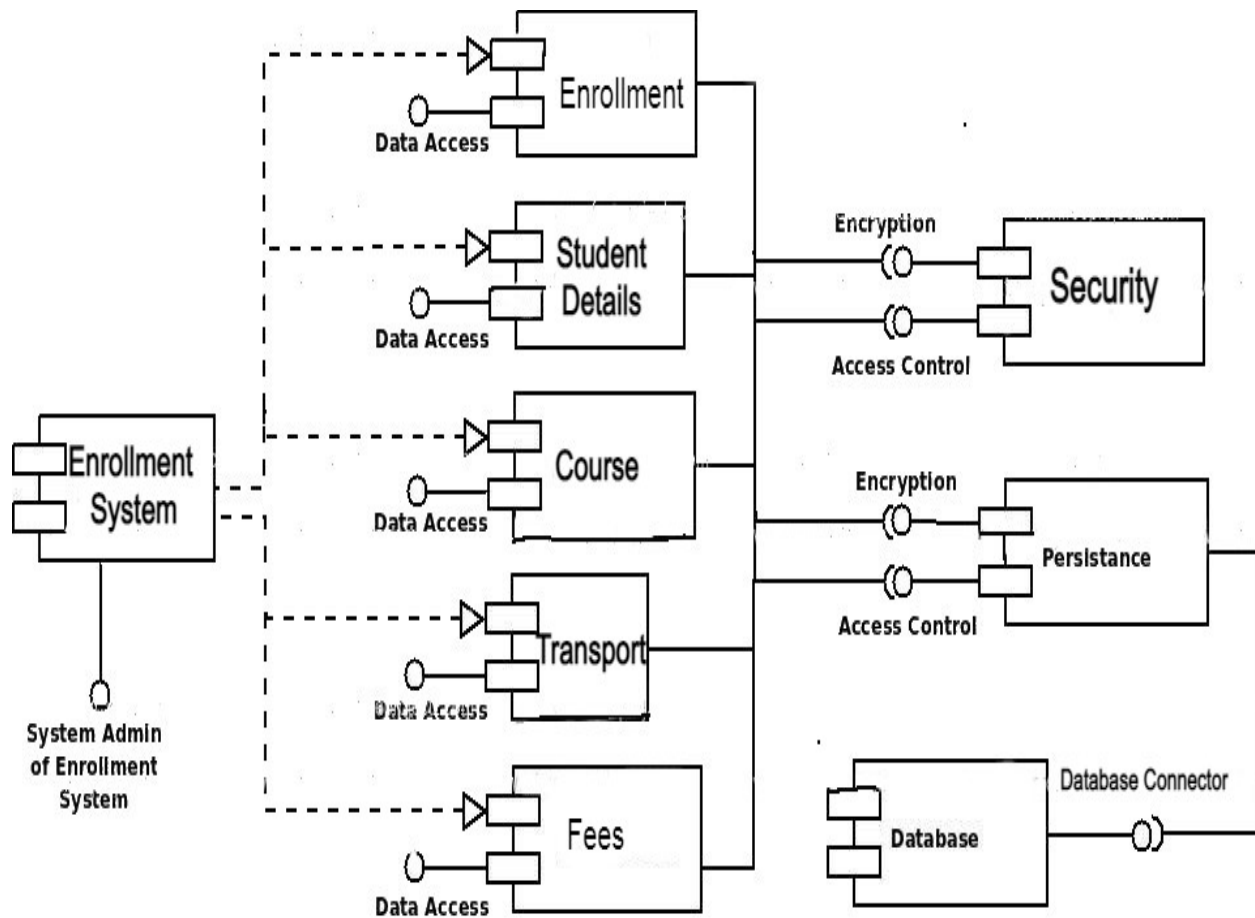
State Diagram :-



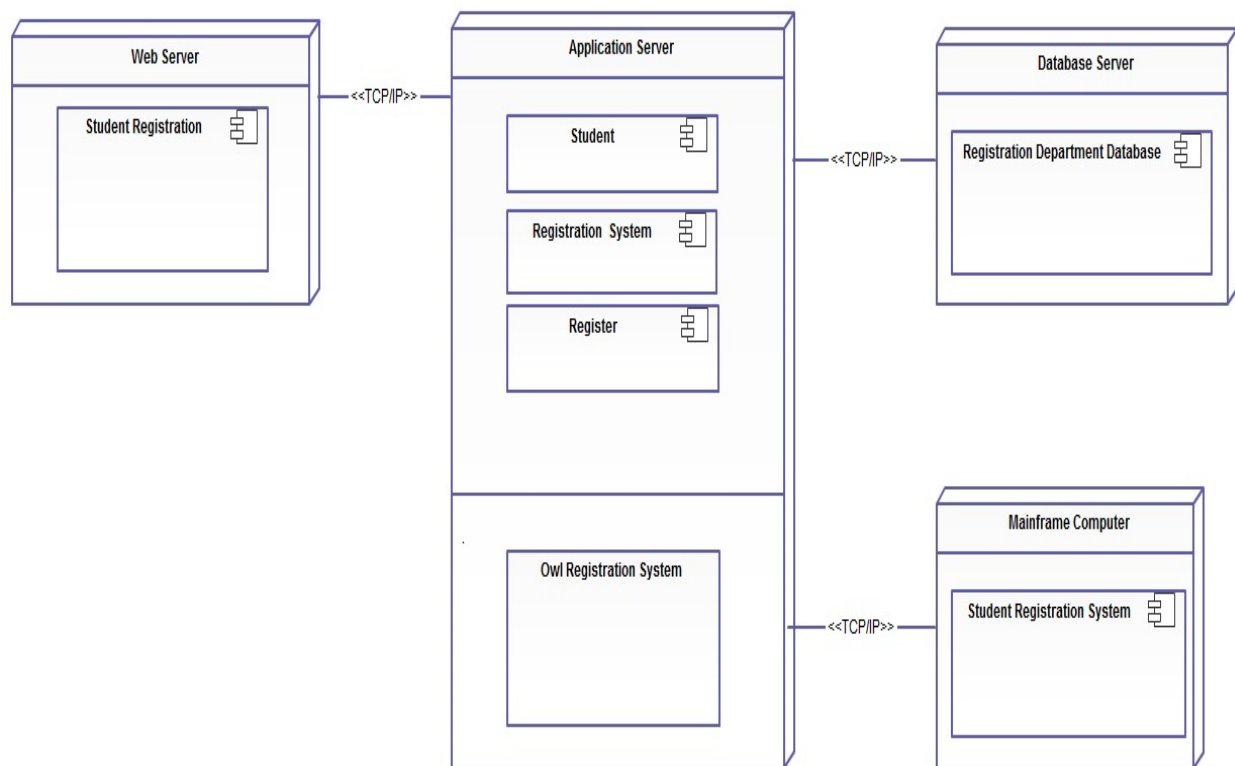
Activity Diagram :-



Component Diagram :-



Deployment Diagram :-



Unit Testing

Login Page :-

Step	Action	Expected Sys O/P	Pass/Fail
1	Enter The Username	The system expects the username	pass
2)	Enter the password	the system expects the password	pass
3)	click show button	Select Radiobutton	pass
4)	click login button	opens the page2	pass

Page3 :-

Step	Action	Expected Sys O/P	Pass/Fail
1)	Click On Add Teacher Button	Opens Teacher Page	pass
2)	Click On Add Student Button	Opens Fee page	pass
3)	Click On search button	Open search student	pass
4)	Click on summary report	Open Summary Page	pass

Teacher :-

Step	Action	Expected Sys O/P	Pass/Fail
1)	Display The Pannel	Fill all the required details	pass
2)	Click on add teacher button	Stores in DB	pass
3)	Click on Back button	displays the page2	pass

Fee Page :-

Step	Action	Expected Sys O/P	Pass/Fail
1)	Display the fee pannel	fill all the required details	Pass
2)	Click on Receipt Button	Stores data in details DB and show O/p	Pass
3)	Click on the print button	Allows to print recipt	Pass
4)	Click on clear button	Clear the receipt in Textarea	Pass

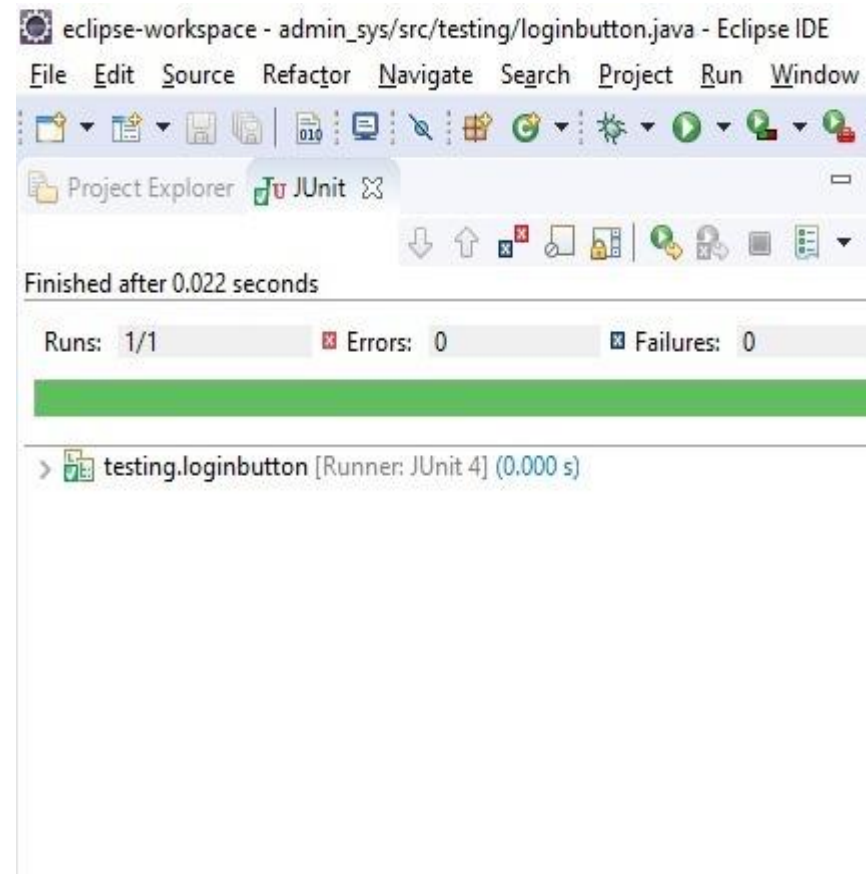
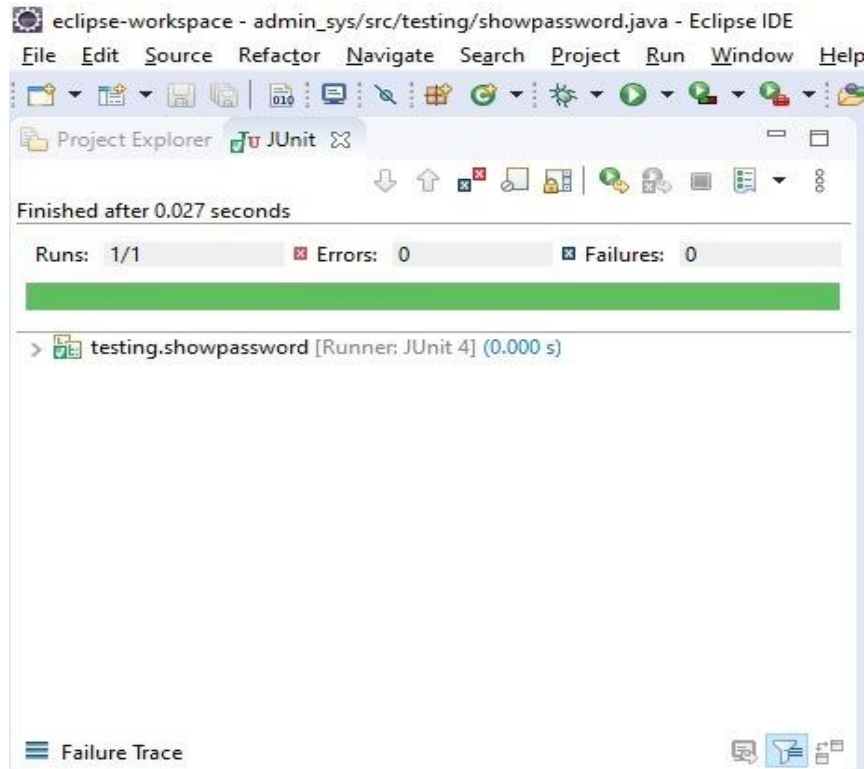
Search Page :-

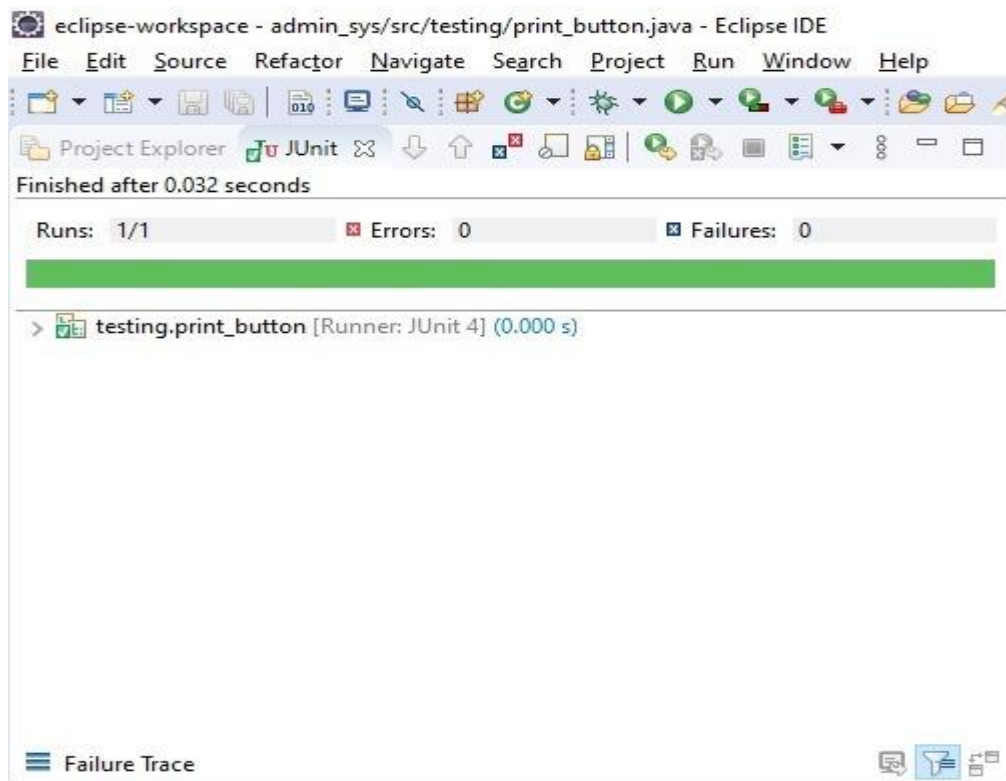
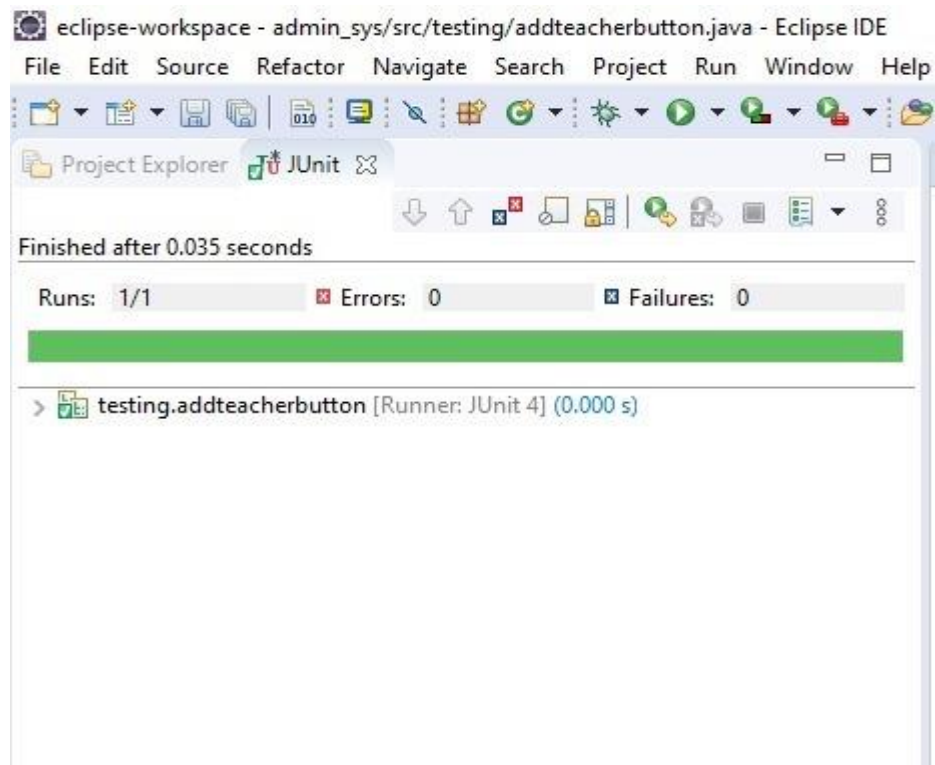
Step	Action	Expected Sys O/P	Pass/Fail
1)	Display the Search page pannel	Enter the student id no	Pass
2)	Click on Search Button	Retrive data from Student DB	Pass
3)	Click on the clear button	Clear all the feilds	Pass
4)	Click on Registration Button	Display the fee page pannel	Pass

Report Page :-

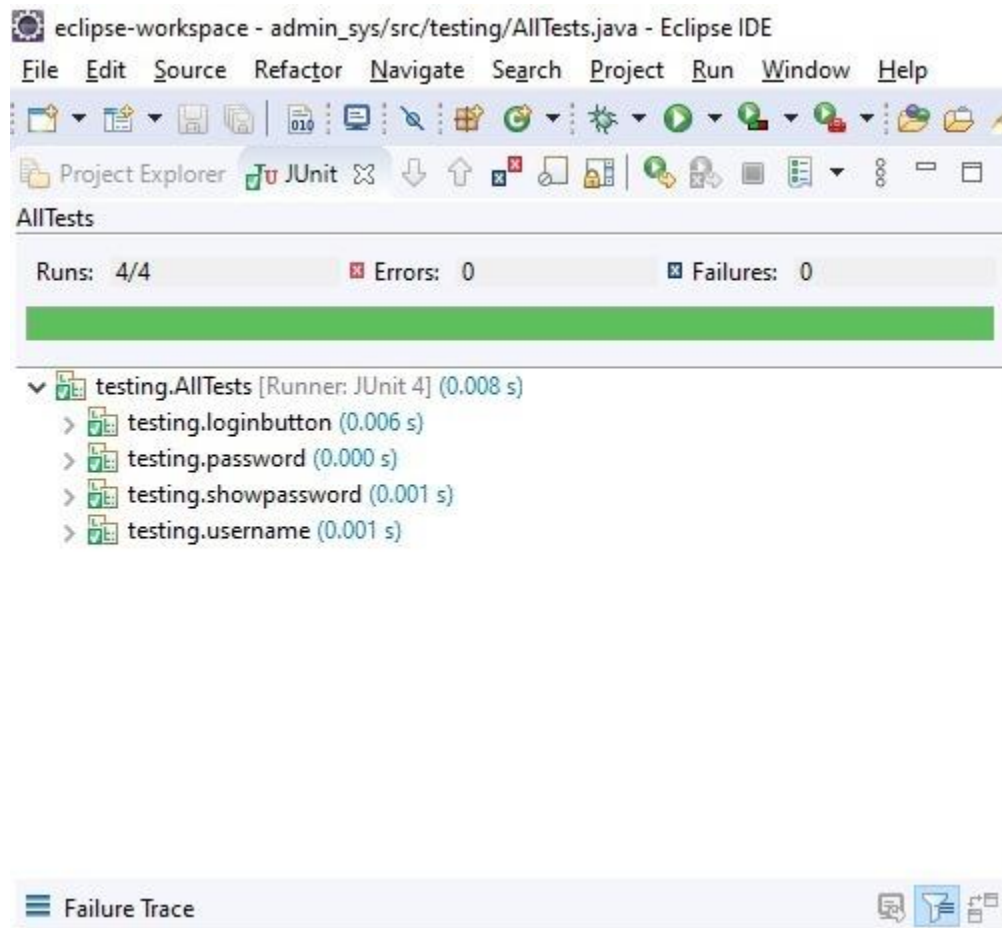
Step	Action	Expected Sys O/P	Pass/Fail
1)	Display the Report page pannel	Opens the report page	Pass
2)	Click on Count Button	Retrive data from Student DB	Pass
3)	Click on the Registration form button	Opens fee pannel	Pass

Unit Testing






Integration Testing For Login Page





O/P Screenshots:-

1)Login Page :-




Login Form






☐ show Password

2)Options Page :-



3)Adding Teacher details :-


 — □ ×

Teacher Details

Name :-

Age :-

Gender :- ☒ Male ☐ Female

D.O.B :- 


Phone No :-

Subject :-

Location :-

Aadhar No :-

4)Adding student details :-



Student ID:- AP18110010156

Name of the Student: gunturu hemanth

Name of the Father: gunturu srinivas

Date Of Birth :- 04-Jun-2000

Email ID: gunturu_hemanth@srmap.edi.in

Contact Number :- 9876123409

Location :- vijayawada

Nationality :- india

Gender :- ☒ Male ☐ Female

12th Percentage / Cgpa :- 9.9

Year of passing 10th: 2016

Year of passing 12th: 2018

Points Secured in 10th: 10.0

☒ SEAS ☐ SLABS

☐ HOSTELLER ☒ DAY SCHOLAR

Groups Offered here are: CSE

CSE(2,50,000)
ECE(2,50,000)
EEE(2,50,000)
MECH(2,50,000)
CIVIL(2,50,000)
BBA(2,50,000)
B.SC(2,50,000)

2 SHARE(1,50,000)
3 SHARE(1,40,000)
5 SHARE(1,20,000)
8 SHARE(1,10,000)
bus(40,000)

Show

You had selected the Group:CSE(2,50,000) and Hostel with facility of: bus(40,000)

Generate Receipt Reset Print

Registration Form

Student Name :- gunturu hemanth
Father's Name :- gunturu srinivas
Student Id:- AP18110010156
Email ID: gunturu_hemanth@srmap.edi.in
Contact Number:- 9876123409
Wants to take:- CSE
Wants to Join in School of Engineering and Applied Sciences
Wants to be a Day Scholar
Had choosen: CSE(2,50,000)
Had choosen: bus(40,000)
Total amount to be paid is 2.9 Lakhs

5)Search Student list

Search Student

Student Name:- Sampath

Date_Of_Birth: 2020-12-02

Father_Name :- srinivas

Email_Id :- 0

Contact No:- 8

Course:- Seas

Branch :- CSE

Accommodation :- Day Scholar

Fees :- 290000

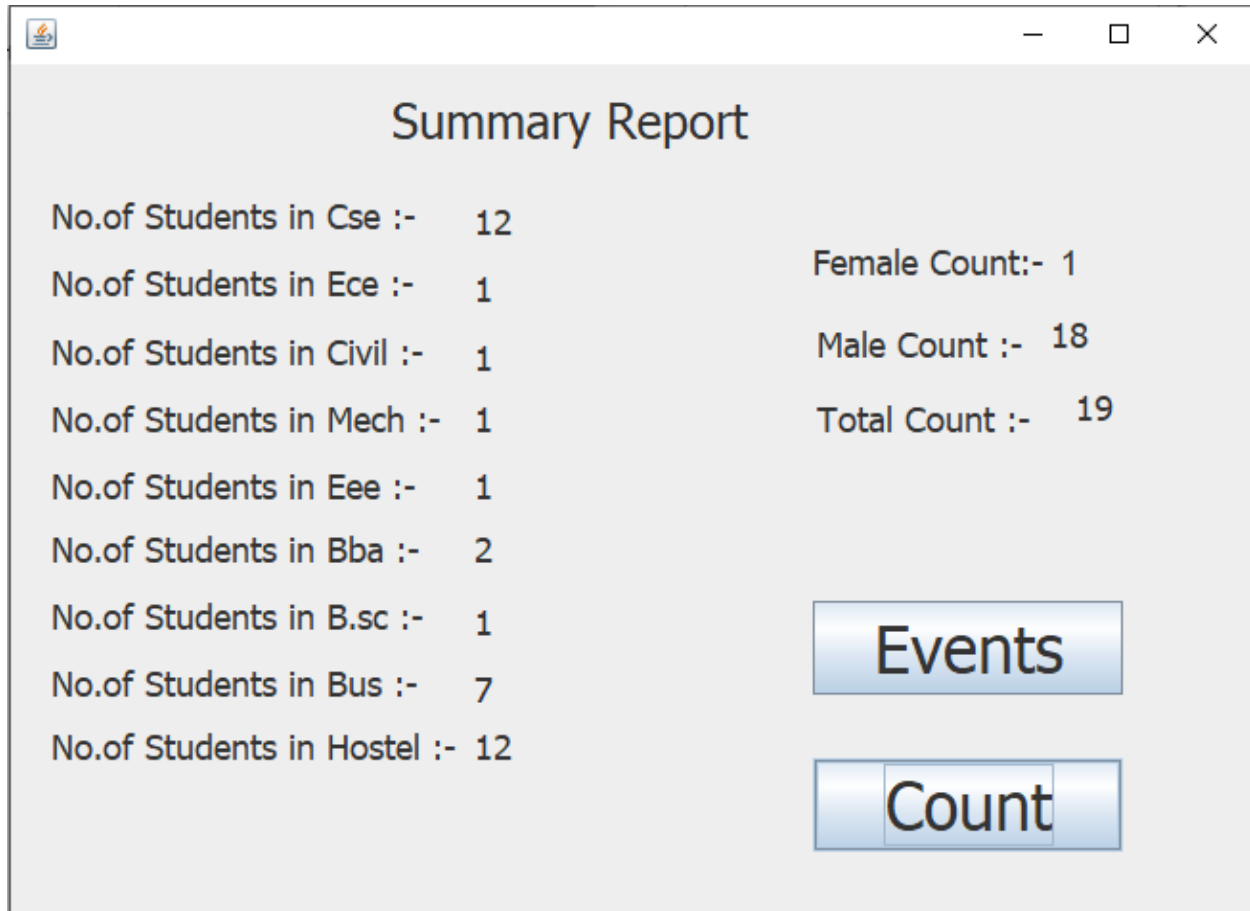
ID:- 156

Search By Id

Clear

Events

6)Summary report :



A screenshot of a software window titled "Summary Report". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main content area is light gray and contains a list of student counts for various departments on the left and gender counts on the right. At the bottom right, there are two blue buttons labeled "Events" and "Count".

Department	Count
No.of Students in Cse :-	12
No.of Students in Ece :-	1
No.of Students in Civil :-	1
No.of Students in Mech :-	1
No.of Students in Eee :-	1
No.of Students in Bba :-	2
No.of Students in B.sc :-	1
No.of Students in Bus :-	7
No.of Students in Hostel :-	12

Gender	Count
Female Count:-	1
Male Count :-	18
Total Count :-	19

Events

Count