Dr .D.Y. Patil Institute of Management

& Entrepreneur Development

Department of MCA

A Project Report On

"Online College Admission System"

Submitted to

Savitribai Phule Pune University, Pune

F.Y.MCA.

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By

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Under the Guidance of

Prof. Dhanashree Patil

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I am heartily thankful to project coordinator and Guide **Prof. Dhanashree Patil** for selecting this project.

Yours Sincerely,

Shweta Bhandare

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INTRODUCTION

"Online Admission System" is aimed at developing an online admission application for a college. This system is an online system that can be accessed throughout the organization and outside as well with proper login provided. Our system has two types of accessing modes, administrator and user. Student management system is managed by an administrator. It is the job of the administrator to admit and monitor the whole process. When a user login to the system. He would only view details of the student. He can't perform any changes. The system has two modules. They are

1. User

2. Administrator

Students logging is to apply for the course by filling an application form provided by online.

College principal/administrator logging in may also access/search information put up by the students.

OBJECTIVE

The goal of 'Online Admission System' is to computerize the admission management system structure, its related operation, and functionality to rectify these weaknesses. Also, the purpose is to provide support to the administration and admission seeking candidates by providing a faster, transparent, and easy way of maintaining records and utilize them for reference and further proceedings. The goal of the project was to develop data star online Application system to enable applicant to apply for various courses wherever they are.

SPECIFIC OBJECTIVES

- To examine the weakness of the manual Application system at data star training college.
- To identify requirements for an on-line Application system.
- To develop an on-line Application system.

PROBLEM DEFINITION

The file-based student Application system has for many years been very effective. However, with the increase in the number of applicants, the system wastes a lot of time in terms of searching for the applicant record, in addition to requiring a large number of human resources which has led to high cost of operation. It is because of the above that an **'Online Admission System'** is developed to allow the organization save time and reduce on the cost of operation.

SCOPE/PURPOSE OF PROJECT

The scope of this project is very broad

Few of them are:

- This can be accessed anytime anywhere, since it is a web application provided only an internet connection.
- The user had not needed to travel a long distance for the admission and his/her time is also saved as a result of this automated system.

1.SYSTEM REQUIREMENTS

- **Software Requirements:**
  - Operating System – Windows 10 or higher
  - Language - Python
  - Database - Django framework
  - Browser – Google Chrome
  - Software Development Kit - PyCharm
  - Scripting Language Enable – Python, JavaScript, HTML, CSS.

- **Hardware Components:**
  - Processor – AMD Radeon
  - Hard Disk – 512 GB
  - Memory – 16 GB RAM
  - Monitor

2.Functional Requirements: -

- **Admin:**

The admin is a super user that has access to everything.

- He can view user details
- He can block or Unblock user
- He can edit user details, address, qualification, phone number, Email.
- He can even delete students form details.

- **User:**

- Enter personal details
- Enter academic qualification
- Enter institute from which he/she has passed.
- Now you will be logged in at your dashboard you will see the categories of admission form.
- Student can add his/her Bio to the admission form.
- Student can review his/her information in application form.
- Student can update their information.

3.Non-Functional Requirements: -

- **Reliability:**

As the system provide right tools for the problems solving it is made in such a way that the system is reliable in its operation and for securing the sensitive details

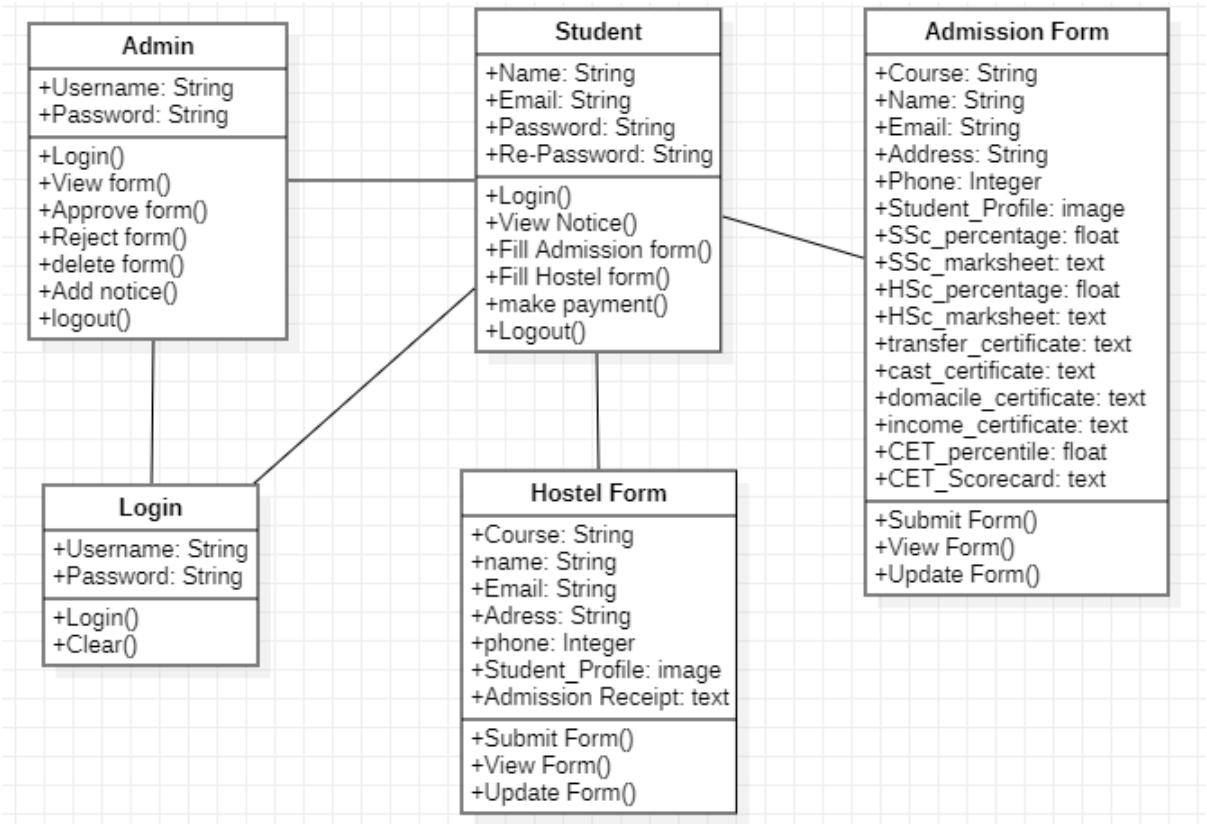
- **Availability:**

The system should available at all the time meaning that the user can access easily. Increase of the hardware and data base failure a replacement page will be show and for database back should be retrieved from data folder.

- **Maintainability:**

The system can meet the changing requirements easily since the infrastructure of the system not needs major changes. The requirement of the software is evolving will be meet by just adding sub-functions.

Class Diagram:



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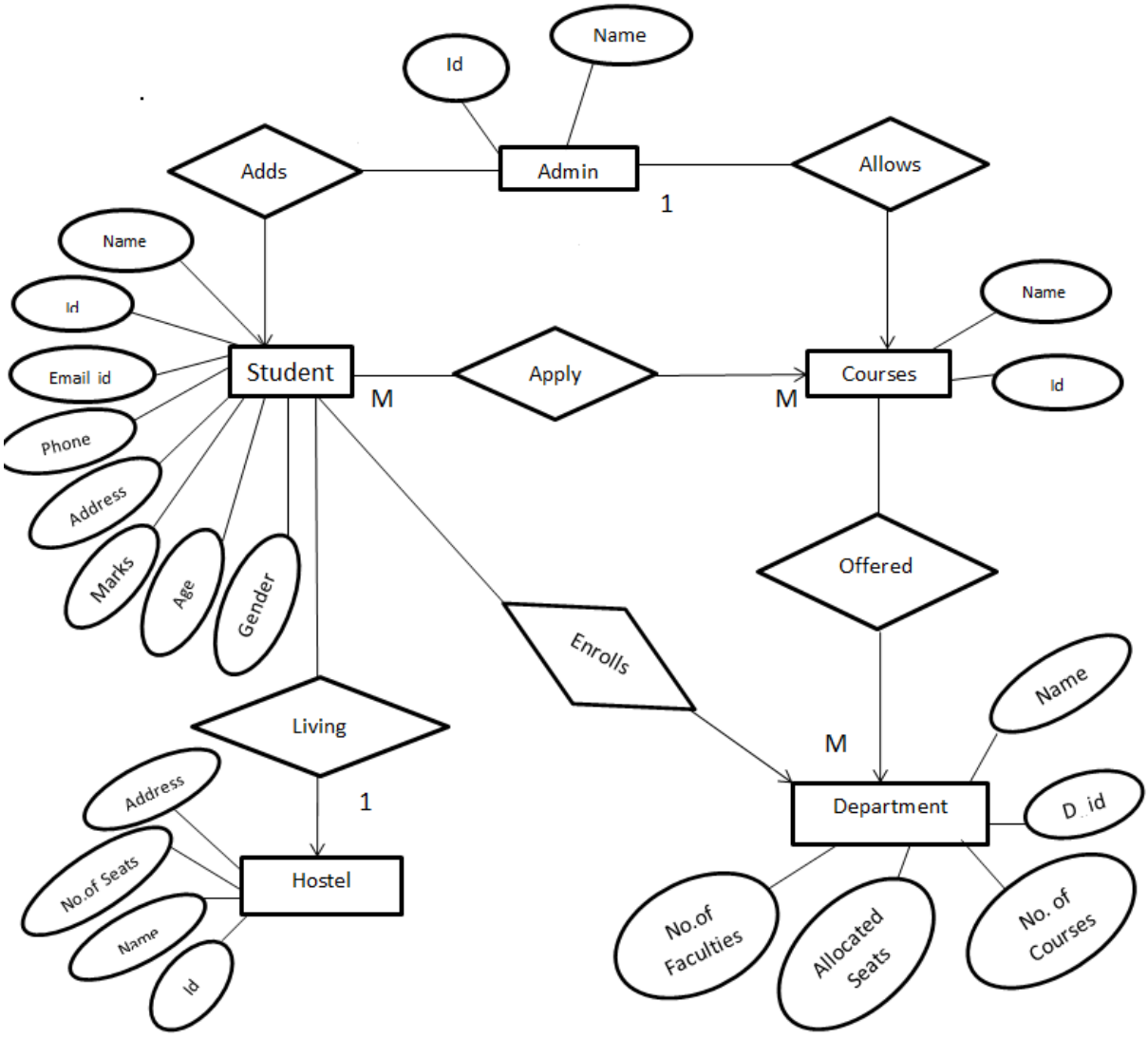
Name
Id
Admin
Adds
Allows
1
Name
Id
Email id
Phone
Address
Marks
Age
Gender
Student
Apply
M
M
Courses
Name
Id
Offered
Enrolls
Living
1
M
Address
No.of Seats
Name
Id
Hostel
Department
Name
D_id
No.of Faculties
Allocated Seats
No. of Courses

USE CASE DIAGRAM

Diagram 1:

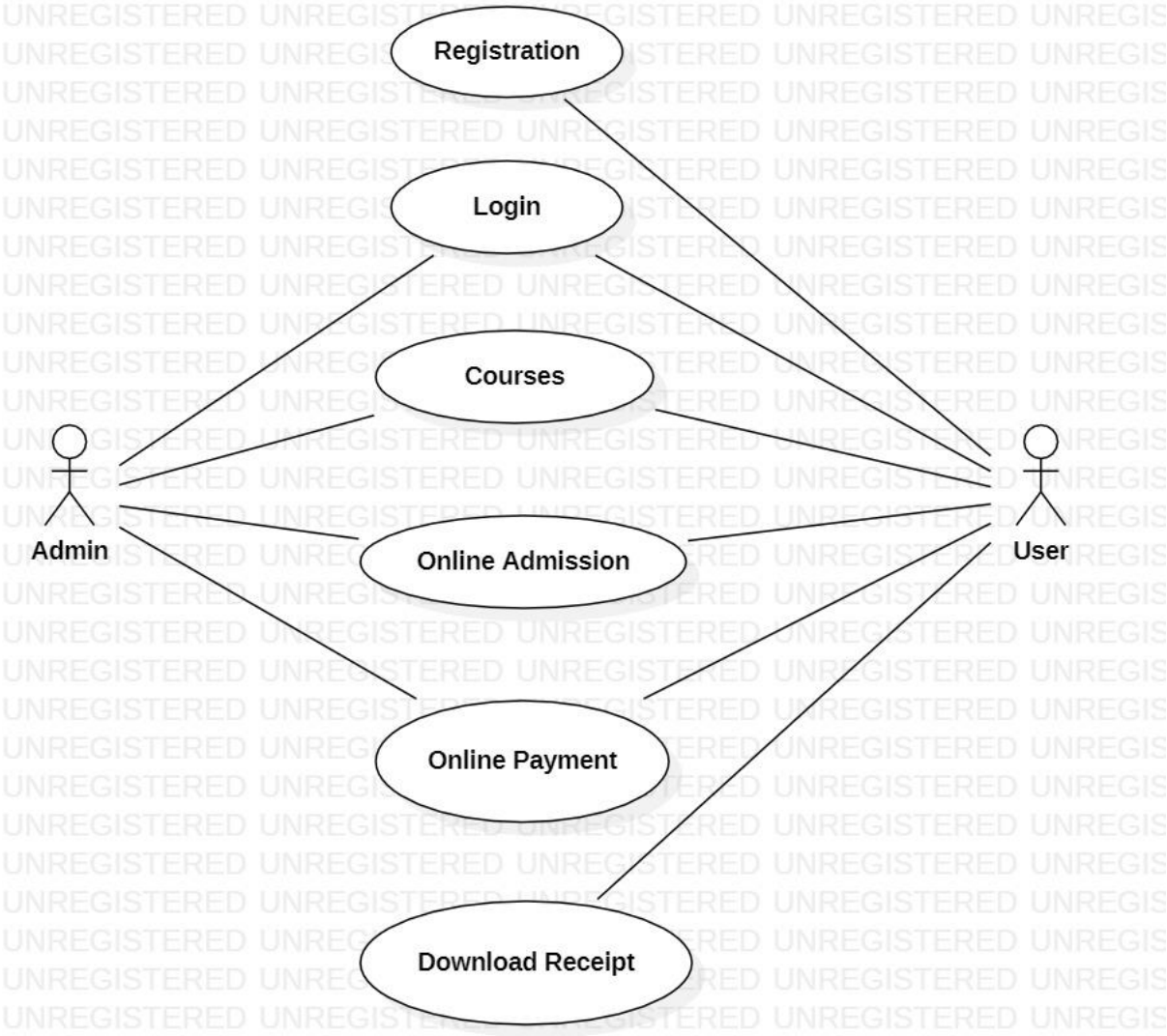

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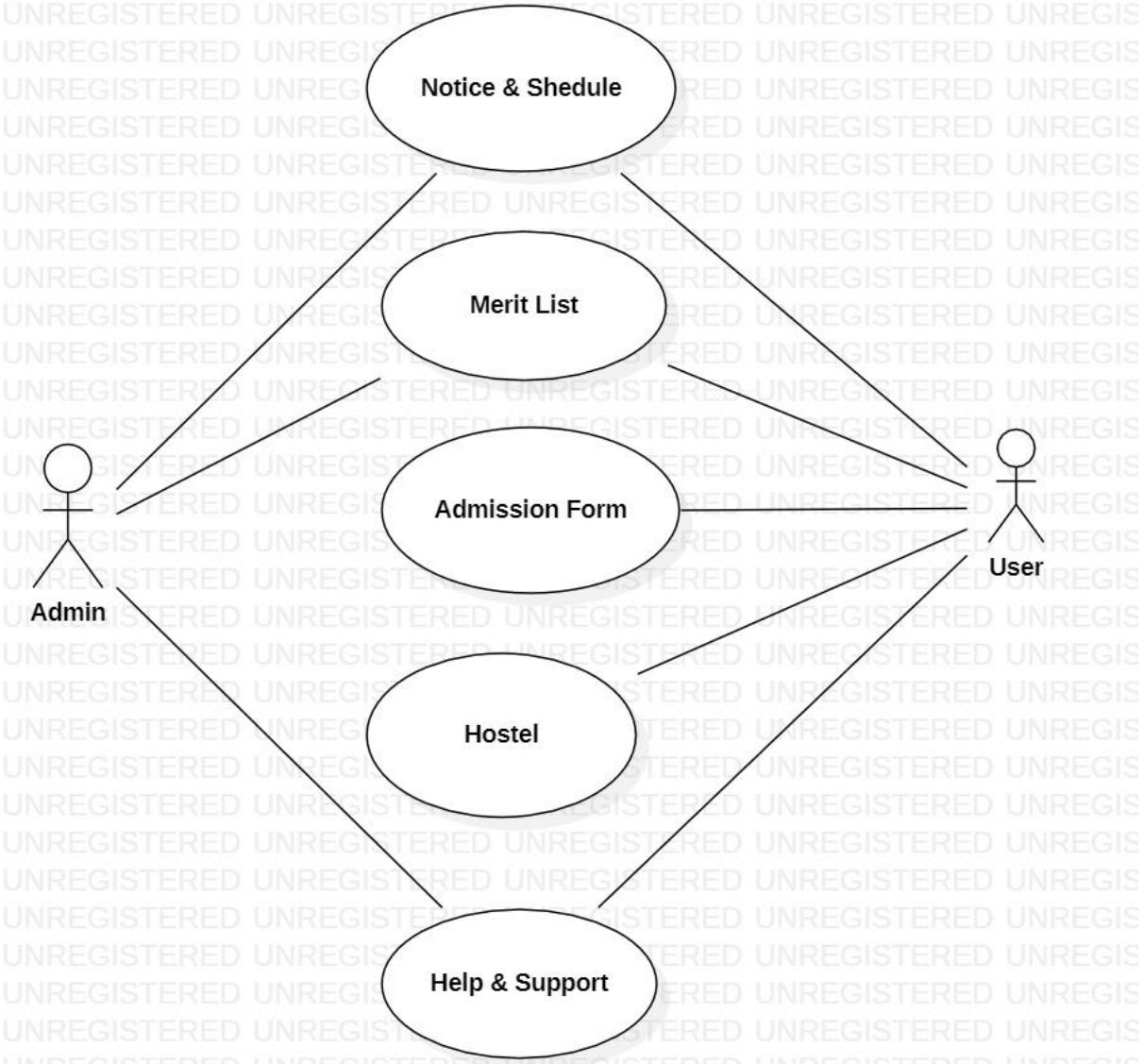
Diagram 2:



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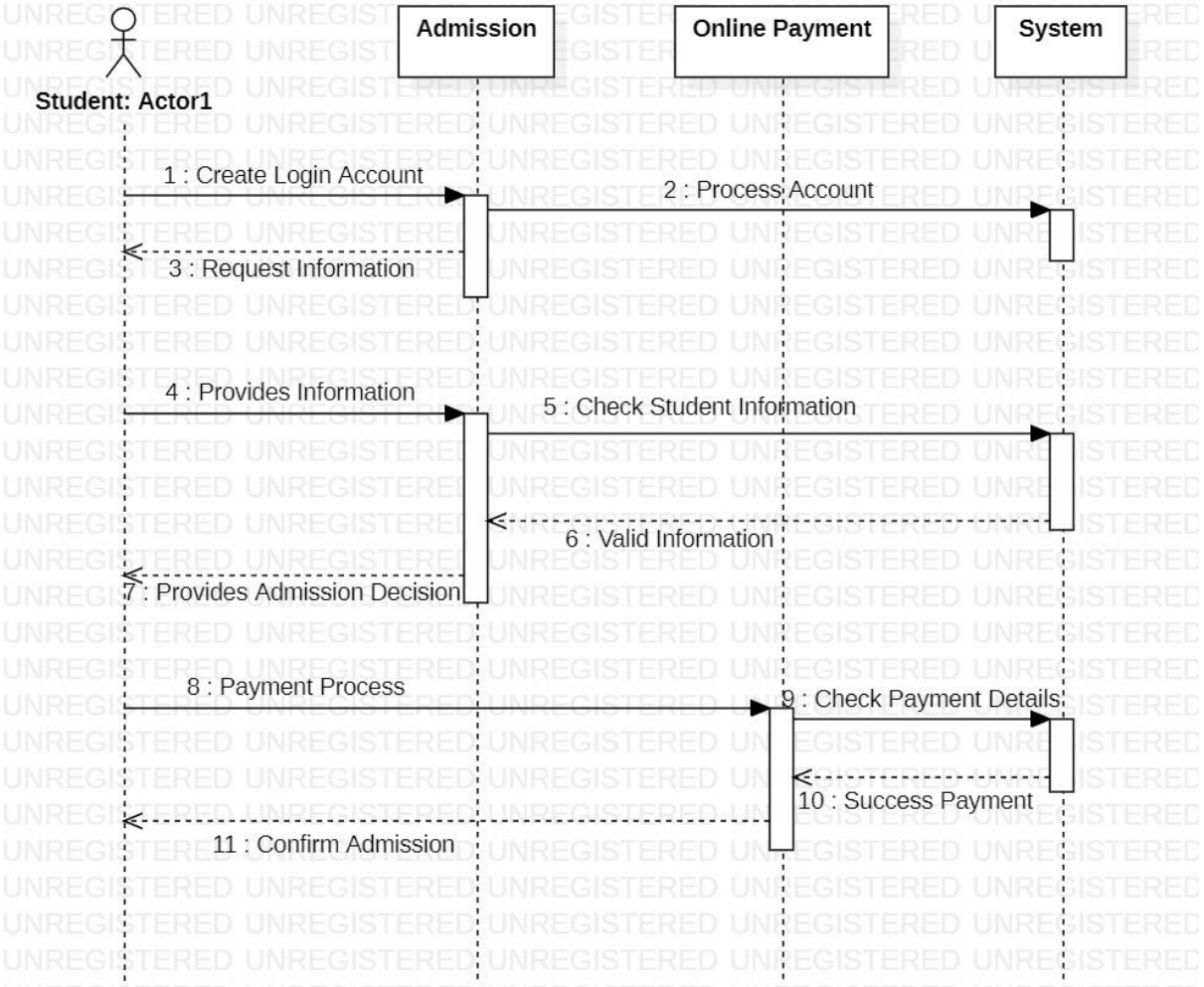
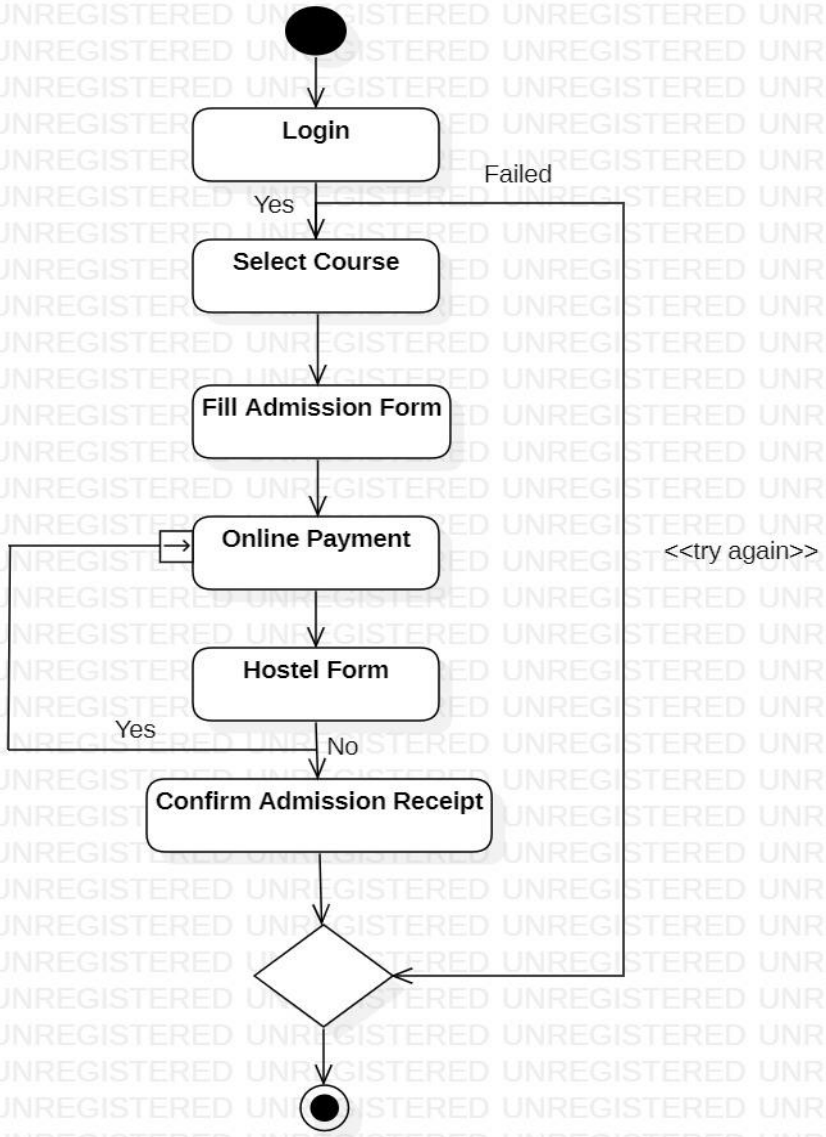
SEQUENCE DIAGRAM



ACTIVITY DIAGRAM



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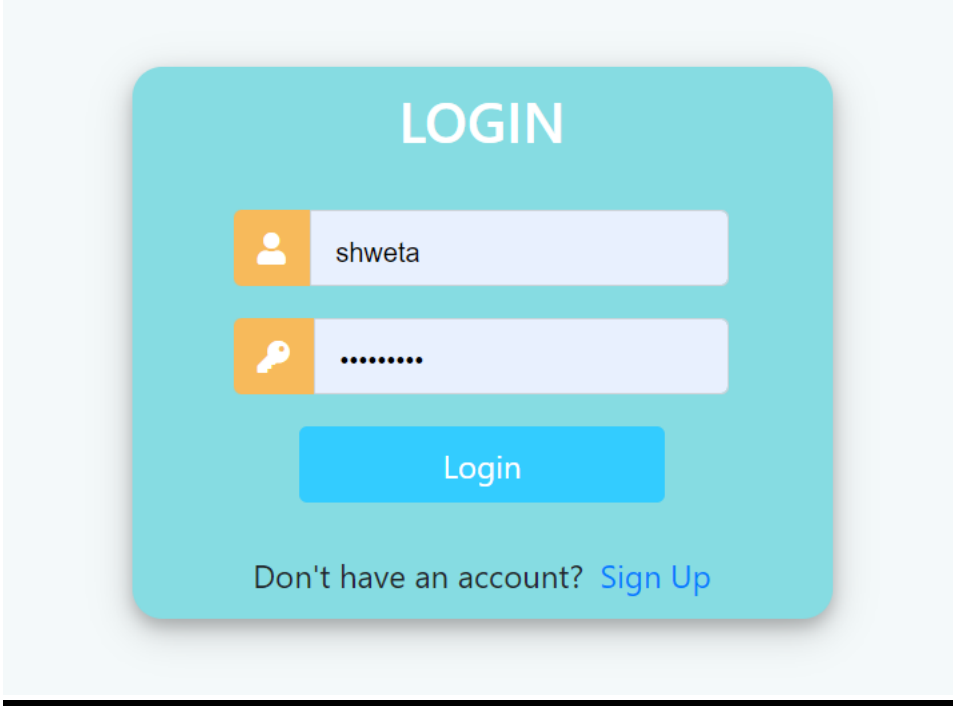
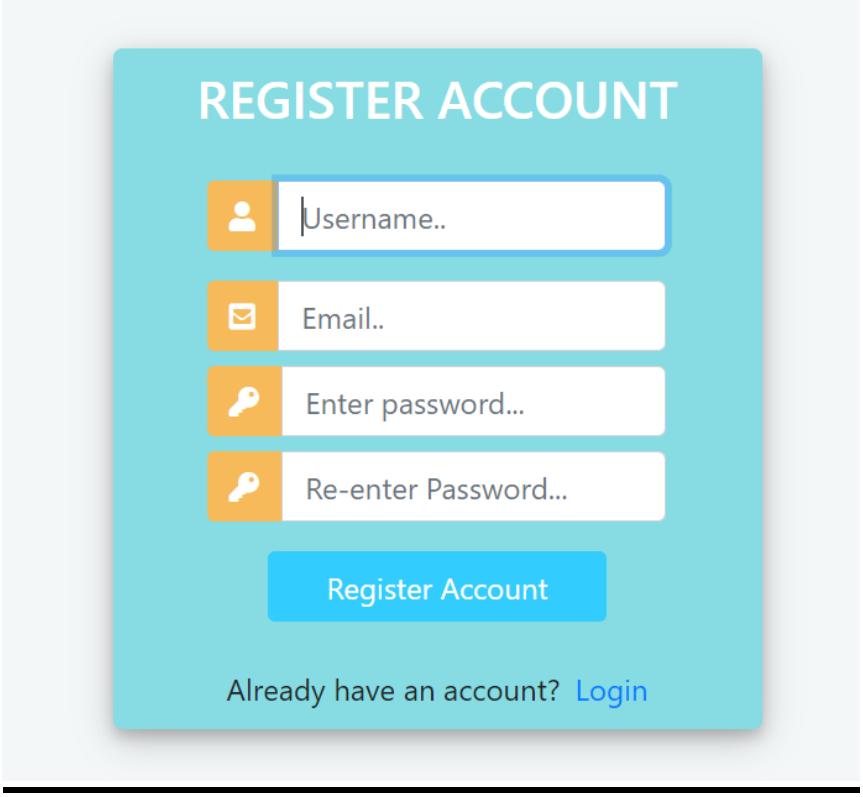
Home Page

Admission page

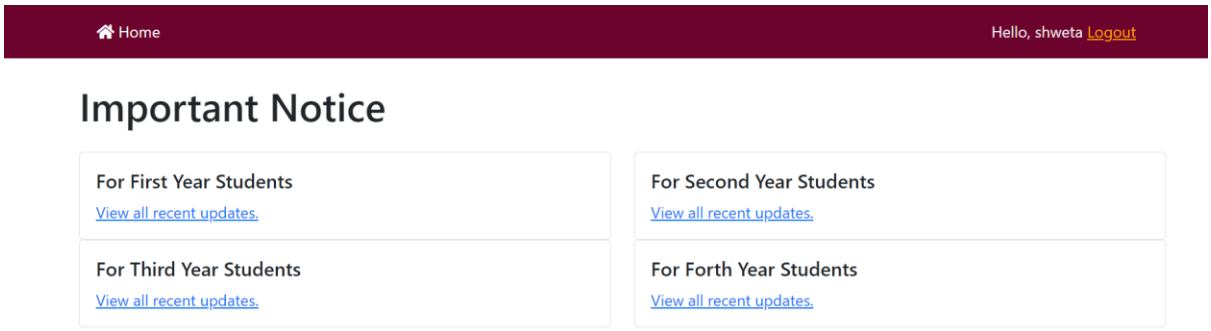
Login page



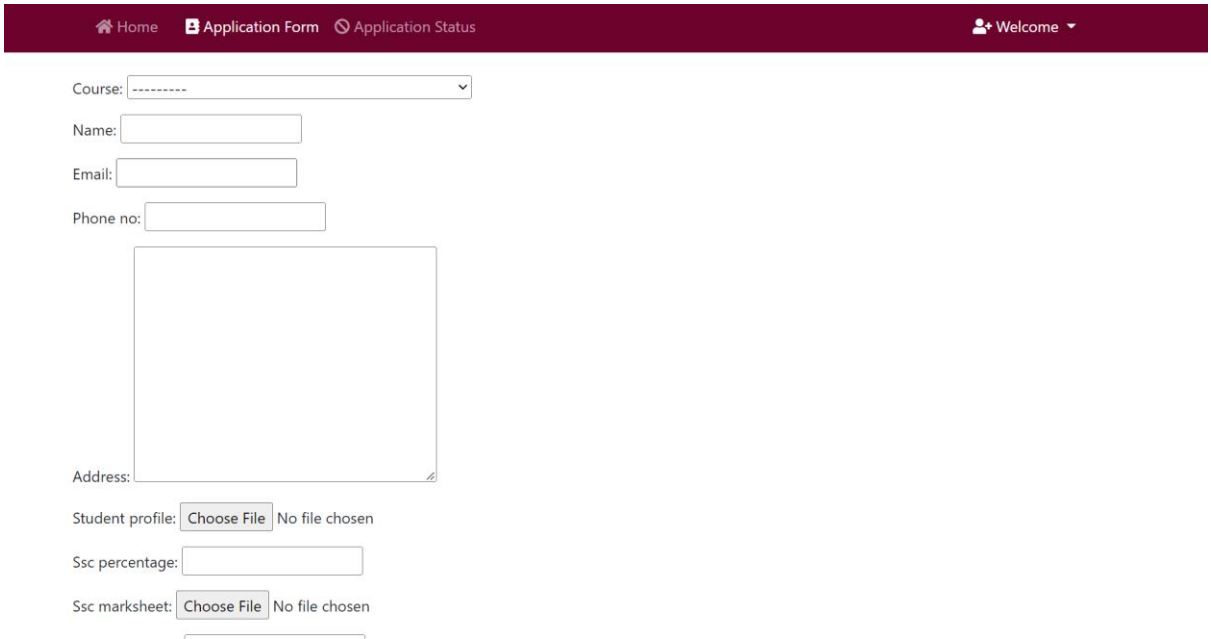
Signup Page



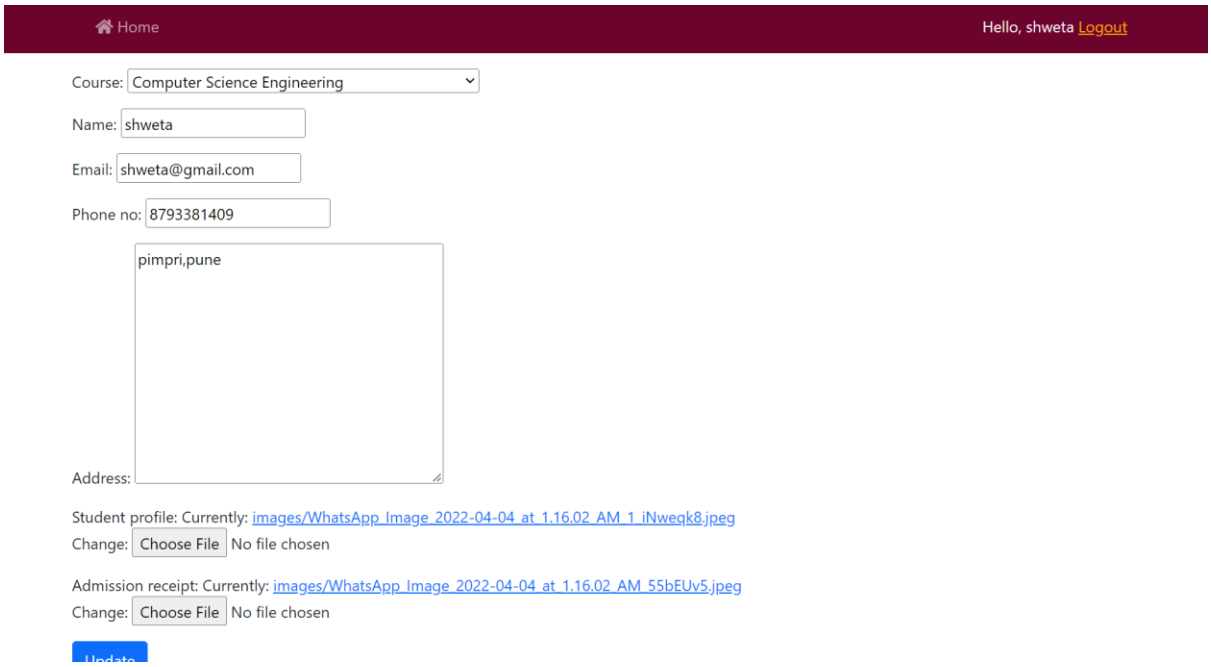
Notice page



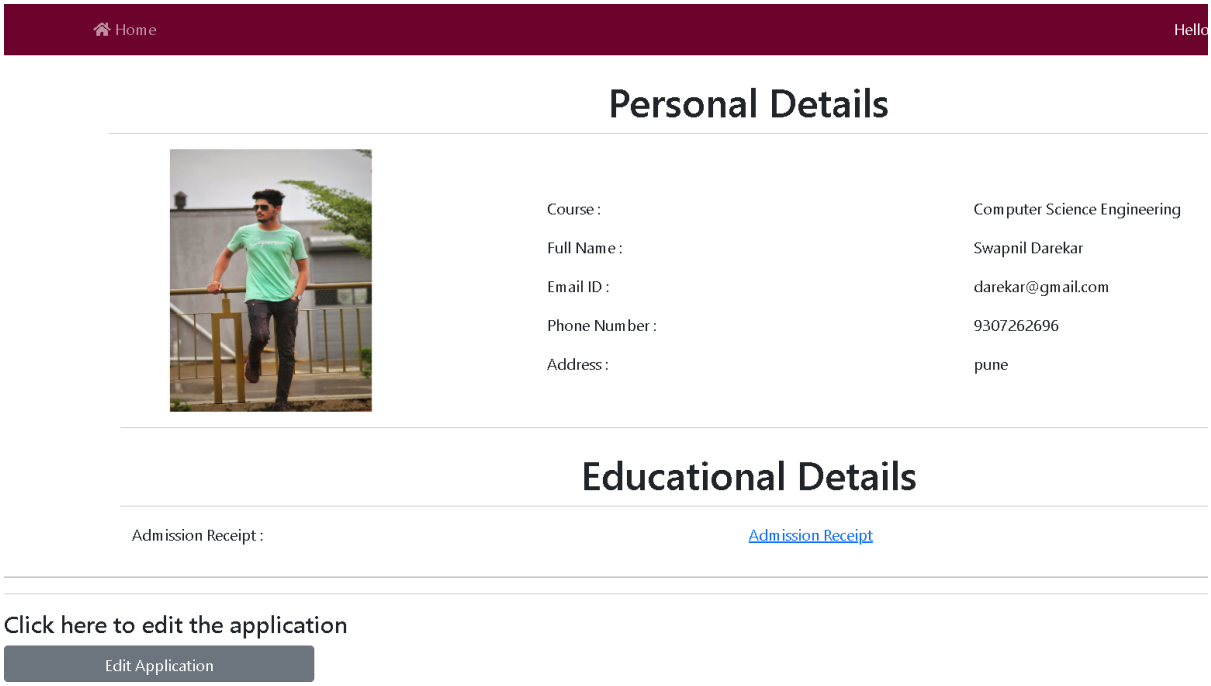
Admission Form Page



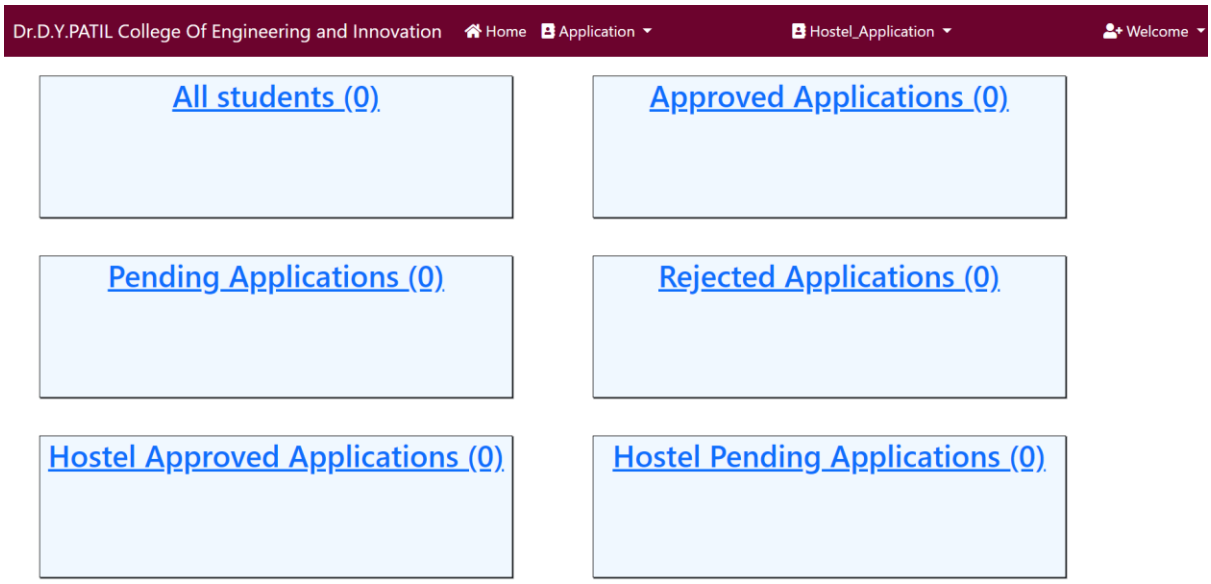
Hostel Admission Form



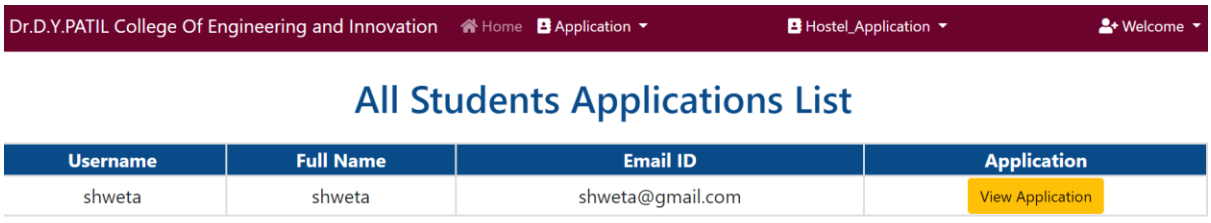
Hostel Form Details:



Report Page



Report



Dictionary Table

Application form table:

Sr.no	Field name	Datatype	Size	Constraints
1.	course	varchar	50	Primary key
2.	name	varchar	15	Not Null
3.	email	varchar	15	Not Null
4.	address	varchar	20	Not Null
5.	phone	integer	10	Not Null
6.	Student_profile	varchar	100	Not Null
7.	Application_Status	varchar	100	Not Null
8.	transfer_certificate	varchar	100	Not Null
9.	ssc_marksheet	varchar	100	Not Null
10.	Cast_certificate	varchar	100	Not Null
11.	Ssc_percentage	decimal	100	Not Null
12.	Domicile_certificate	varchar	100	Not Null
13.	Hsc_marksheet	varchar	100	Not Null
14.	Income_certificate	varchar	100	Not Null
15.	Hsc_percentage	decimal	100	Not Null
16.	Cet_percentile	decimal	100	Not Null
17.	Cet_scorecard	varchar	100	Not Null
18.	Jee_percentile	decimal	100	Not Null
19.	Jee_scorecard	varchar	100	Not Null
20.	message	varchar	100	Not Null
21.	Phone_no	integer	100	Not Null

Hostel Form Table:

Sr.no	Field name	Data type	Size	Constraints
1.	course	varchar	50	Primary key
2.	name	varchar	15	Not Null
3.	email	varchar	15	Not Null
4.	address	varchar	20	Not Null
5.	phone	integer	10	Not Null
6.	Student profile	varchar	100	Not Null
7.	Admission_recipt	varchar	100	Not Null
8.	Application_Status	varchar	100	Not Null
9.	message	text	100	Not Null
10.	user_id	integer	100	Not Null

Admin Table:

Sr.no	Field name	Data type	Size	Constraints
1.	username	varchar	50	Primary key
2.	password	varchar	15	Not Null

Signup Table:

Sr.no	Field name	Data type	Size	Constraints
1.	username	varchar	50	Primary key
2.	email	varchar	15	Not Null
3.	password 1	varchar	15	Not Null
4.	password 2	varchar	20	Not Null

TESTING

As the **'Online Admission System'**, there are various types of test methods we need to apply for the application test. In general practices, there are three types of test methodologies that need to be used for database testing.

- **Types Of Testing: -**

1.Unit Testing:

A unit testing is the smallest testable part of any software.

2.Module Integration Testing:

A module integration testing is the phase in software testing in which individual software modules are combined and tested as a group.

3.System Testing:

A system testing is the testing of a complete and fully integrated software product.

FUTURE ENHANCEMENT

The online admission system prototype which developed is effective in a way that it will automate and make online admission instead of manual. Yet some areas in this study not explored in detail due to time constraint. Some of them are given below in future the possibilities of work to be carried out in this system.

1. The payment system can be increased by using the original merchant account for credit card holders.

2. The admission offer letter can be sent online when student is admitted to the university.

3. Student can be assigned academic coordinator to advise them after admission to avoid problems of students facing for coming university and choosing subjects.

4. The System can send the confirmation or information by SMS to cell phone of candidates.

CONCLUSION

In Conclusion, **Online Admission System** supports the administration team and the applicants with the support needed by making the admission process faster, easier and hassle-free experience for all concerned. In This way we are going to develop college admission system, which is helpful for reduction in manual work so less manpower required. Student's record can be access within few seconds, in account section our system focuses on building an efficient and user-friendly communication system for the educational institutions.

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