

# Student Management System

SRS:

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## Software Requirements Specification for Student Management System

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## Introduction:

A student management system (also known as a student information system or SIS) helps a school manage data, communications, and scheduling. A school system generates and uses a large amount of data. This data must be communicated appropriately to students, faculty, and parents.

1.1 purpose: The purpose of this software is to provide schools a software which will help them in admission of students of class 8-10.

1.2 intended Audience: The main audience for this software includes students school staffs.

1.3 Intended Use: This software is intending to be used in Admission system of school.

## 2.Requirement Analysis

### 2.1 Scope:

Management System is to manage the details of Profiles, Courses, Logins, Exams, Fees. It manages all the information about Profiles, Student, Fees, Profiles. The project is totally built at administrative end and thus only the administrator is guaranteed the access.

1.4 Scope: The scope of this software isn't limited with just school system, it can be modified to create college and university admission systems too.

**2.2Objective:** These systems give a unified view that helps the user to perform activities. It also helps remind which activities an individual need to perform and which of them are already done. ... These systems help students keep a record of their own performance but also work on the areas or subjects they are weak at.

## 2.3Project Outcomes:

There are some objectives or outcomes has each project. So, my Project has some outcomes or objectives. These objectives are given below briefly.

- This System will provide to connect directly Students and School,University through internet.
- This System provide facilities to modify and delete data as well as client data.
- This System provide information about the Exams.
- This System maintain & control the database of Students information.
- This System display Student marks.
- This System give a Courses Info.
- This System help to make strong Students with School.

Finally, I can say that This System will provide easy and efficient work for the Students.

### Hardware Requirements:

- Processor - At least 2.0 GHZ
- RAM - At least 2GB

### Software Requirements:

- **Operating System** - Windows.
- **Runtime Environment** - Net Framework 4.5
- **Fronnd End** – PHP, HTML, CSS, JavaScript.
- **Back End** -MySQL
- **Web Browser** - Google Chrome, Firefox, or any compatible update browser.

## Project Develop Languages:

There are two kinds of languages have used in "Student Management System". One is

Programming Language and other is Database Language. Front End, we have used ,

JavaScript, HTML, CSS & Back End, We have used MySQL Database and C# Language in our "Student Management System"

- **Programming Language : C#**
- **Color Script Language: CSS**
- **Database Language: MySQL**

### **3.Describe What You Will Build**

Student Admissions is the process in which all applicants who want to get admission in school can apply for admission. Like the manual admission applications, where the procedure of admission application starts with the completion of student admission form by the perspective student through the manual university admission department (Admission procedure & policy, 2022), the student may print and download the form and also come directly from the university.

The second stage will be the School Admission Department will review and consider the application for admission and it will check that all the pre-requisite and required information which is mandatory is provided or not, also the documentation required with the form just like mark sheets and certificates required are attached with the form or not. If anything is missing information or the required documents the Admission Department will send to the application from where it was initiated or routed to rearrange and provide the missing documents or mandatory information required (Admission procedure & policy, 2022).

The whole entire application will be forwarded, along with the required documents to the section of the admission department for the evaluation, the teachers and staff committee will have right to decide that which application will be accepted or rejected.

### **4 Goals**

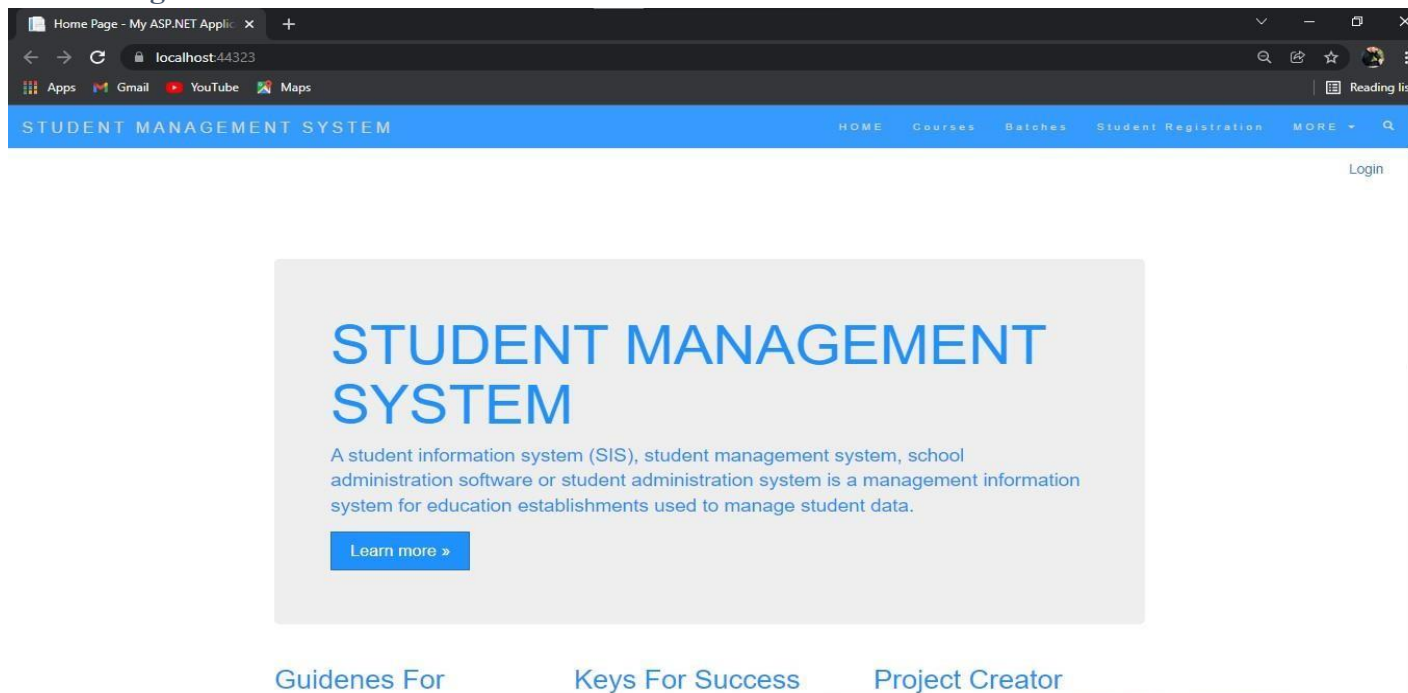
The main goal of the system is to automate the process carried out in the organization with improved performance and realize the vision of paperless admission. Some of the goals of the system are listed below:

- Manage large number of student details.
- Manage all details of student who registered for the course and send appropriate details about the course to the students account.
- Create student accounts and maintain the data's effectively.
- View all the details of the students.
- Create the statistical reports to facilitate the finance department work.
- Manage the details of hostellers and facilitate the allotment of hostels rooms for the students.
- Reduce the work load in interview the students for selection and Counseling should be very effective rather than direct methods.
- Activities like updating, modification, deletion of records should be easier.
- The System must support Undo the Previous activities if any Problem Occurs

## System Screen Shot:

There are some screen shot of interface of our “**Student Management System**” are given below:

### “Home Page”



This is the Home page of School management system Students can launch from this page. Students and Admin can login through this page.

### “Courses Page”

STUDENT MANAGEMENT SYSTEM

HOME

Courses

Batches

Student Registration

MORE

Q

Login

Index

Create New

CourseName	Duration	CreateDate	DeleteDate	IsActive	
DBMS	3	8/1/2020 12:00:00 AM		True	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
COAL	3	8/1/2020 12:00:00 AM		True	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

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## “Teacher info”

STUDENT MANAGEMENT SYSTEM

HOME

Courses

Batches

Student Registration

MORE

Q

Login

Index

Create New

TeacherName	CourseName1	CourseName2	CourseName3	Total_Duration	
Hamza Zahid	Computer Science	Physics	Math	4 years	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

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Students can view their added courses through this form.

## “Batch Information”

STUDENT MANAGEMENT SYSTEM

HOMECoursesBatchesStudent RegistrationMORE

Login

Index

Create New

Batch1	Year	IsActive	
BSC19	2019	<div>True</div>	<div>Edit   Details   Delete</div>

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HomeCoursesBatchesStudent\_RegistrationUsersExam\_\_InfoStudent

## “Student Registration Page”

STUDENT MANAGEMENT SYSTEM

HOMECoursesBatchesStudent RegistrationMORE

Li

Index

Create New

FirstName	LastName	Email	TeleNo	CreateDate	DeleteDate	IsActive	Batch1	CourseName	
Ashar	Anus	ash12@gmail.com	03122399078	8/1/2019 12:00:00 AM		<div>True</div>	BSC19	DBMS	<div>Edit   Details   Delete</div>

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HomeCoursesBatchesStudent RegistrationUsersExam InfoStudent

Student can register his self through this page and can edit or delete and modify their selected courses.

## “ExamInfo Page”

User can easily Fill this booking form and can place there order.

The screenshot shows a web browser window displaying the 'ExamInfo Page' of a 'STUDENT MANAGEMENT SYSTEM'. The browser's address bar shows the URL 'https://localhost:44323/Exam\_\_Info'. The page has a blue header with the system name and navigation links: HOME, Courses, Batches, Student Registration, and MORE. A 'Login' link is also present in the top right. The main content area is titled 'Index' and includes a 'Create New' link. Below this is a table with three columns: 'Exam\_Name', 'RoomNo', and 'Teacher\_Name'. The table contains one row with the values 'ooooad', '149', and 'sir sohail imran'. To the right of the row is a link 'Edit | Details | Delete'. At the bottom of the page, there is a blue footer bar with the text '© 2022 - My ASP.NET Application'. The browser's taskbar at the bottom shows various application icons and the system clock indicating 11:51 PM on 5/17/2022.

STUDENT MANAGEMENT SYSTEM

HOME Courses Batches Student Registration MORE

Login

### Index

Create New

Exam_Name	RoomNo	Teacher_Name	
ooooad	149	sir sohail imran	Edit   Details   Delete

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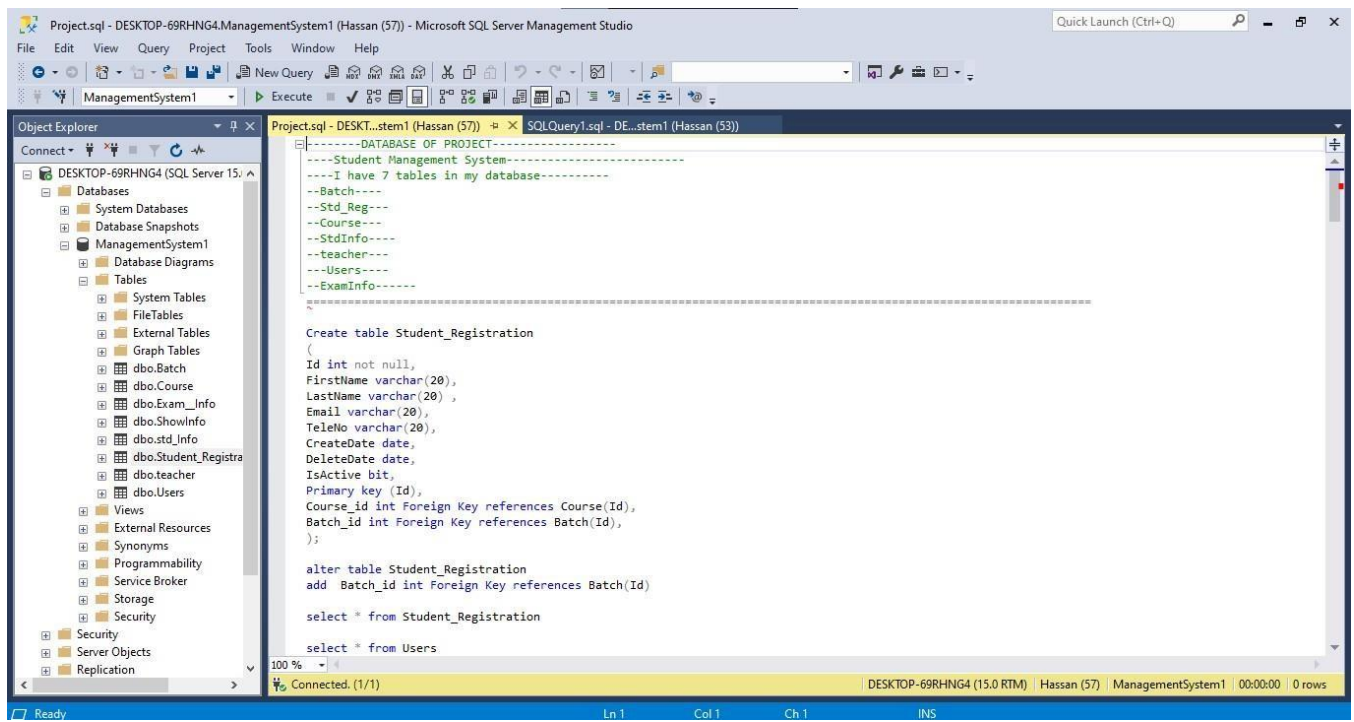
Home Courses Batches Student\_Registration Users Exam\_\_Info Student

Type here to search

11:51 PM 5/17/2022 30°C



## SQL SERVER Tables



## Security

### Data Storage:

- The Students' web browser shall never display a Students' password. It shall always be echoed with special characters representing typed characters.
- The system's back-end servers shall never display a Students password. The Students' password may be reset but never shown.
- The system's back-end servers shall only be accessible to authenticated administrators.

## Other Nonfunctional Requirements

The Tourism Management system right now is a prototype to test CRUD functionalities the functionalities and pages will be added soon are listed below:

1. The Payment Checking page will be added.
2. User Will Receive Generated Receipt In PDF.

## Transaction Form:

A hand-drawn transaction form for a student admission system. The form is enclosed in a rectangular border with a title bar at the top right containing three icons: a minus sign, a square, and an 'X'. On the left side, there is a vertical stack of seven buttons: 'APPLY for Admission', 'VIEW Admission DETAILS', 'VIEW Admission Eligibility', 'VIEW Admission TEST DATE', 'VIEW Admission TEST-RESULT', 'GENERATE Fee-BILL', and 'VIEW Admission STATUS'. At the bottom right, there are two buttons labeled 'OK' and 'QUIT'.

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## Overall Description:

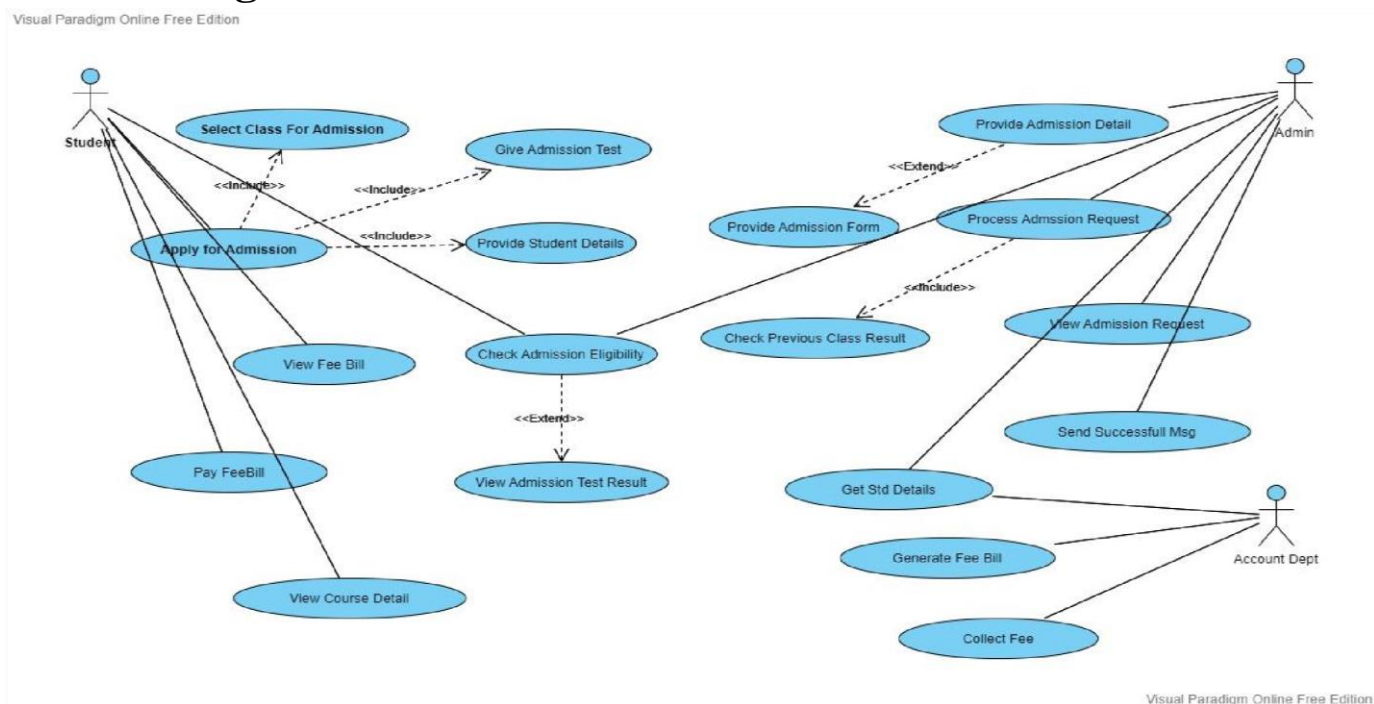
The Student Admission system is a software which has build through stages of Object Oriented analysis and design, it has gone through several behavioral and structural diagrams and came to an end after completion. This software includes student admission forms, student details, previous class results, admission tests, eligibility and criteria of admission. This software is a much need in a specific school system where you manually give admissions to students. This software advances the admission system in schools by providing easy to use interface and efficient working.

We may Show Sequence of our project through diagrams

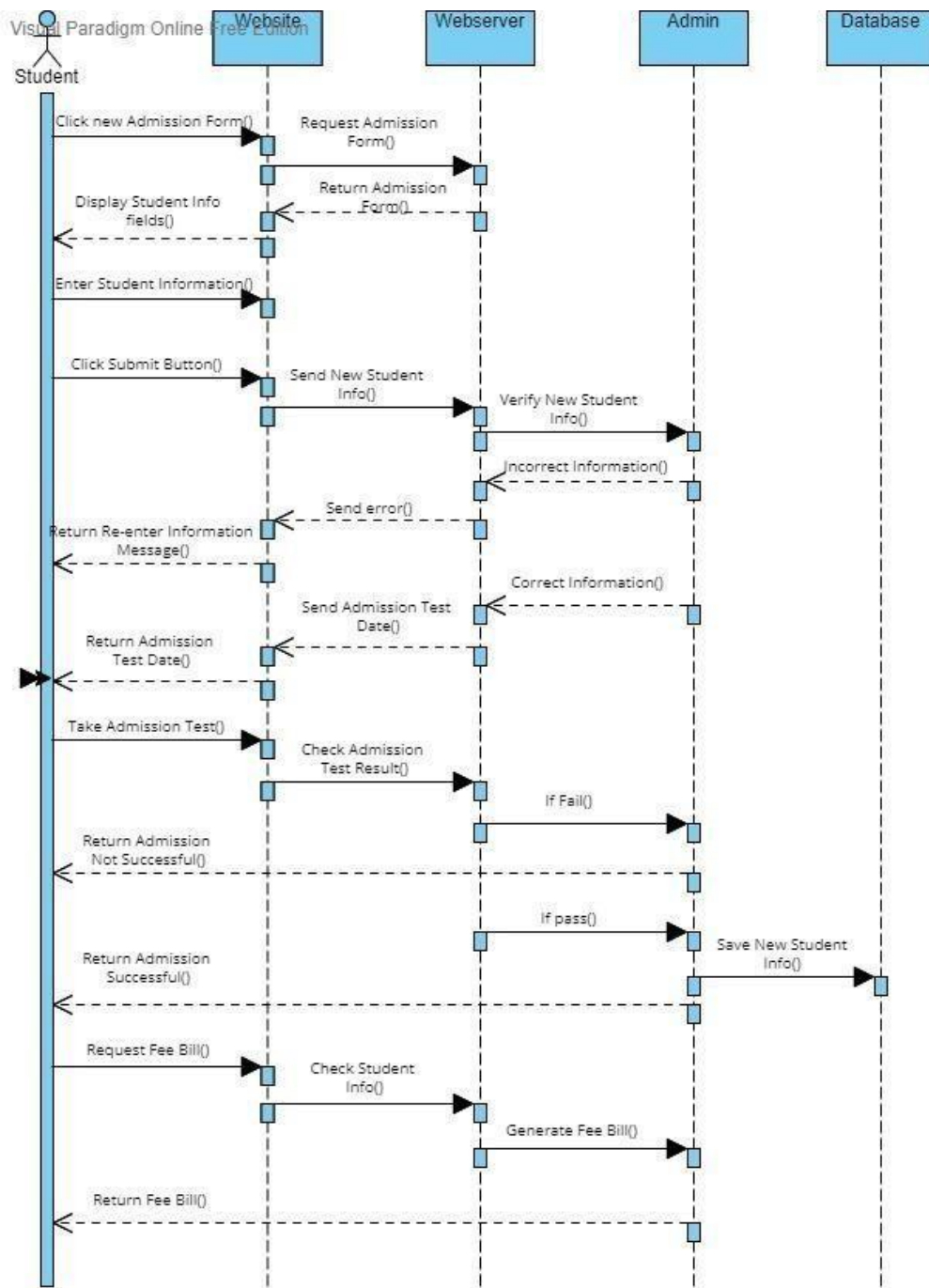
1. Use case
2. Activity
3. Sequence
4. Collaboration
5. Class
6. State Chart

## Diagrams:

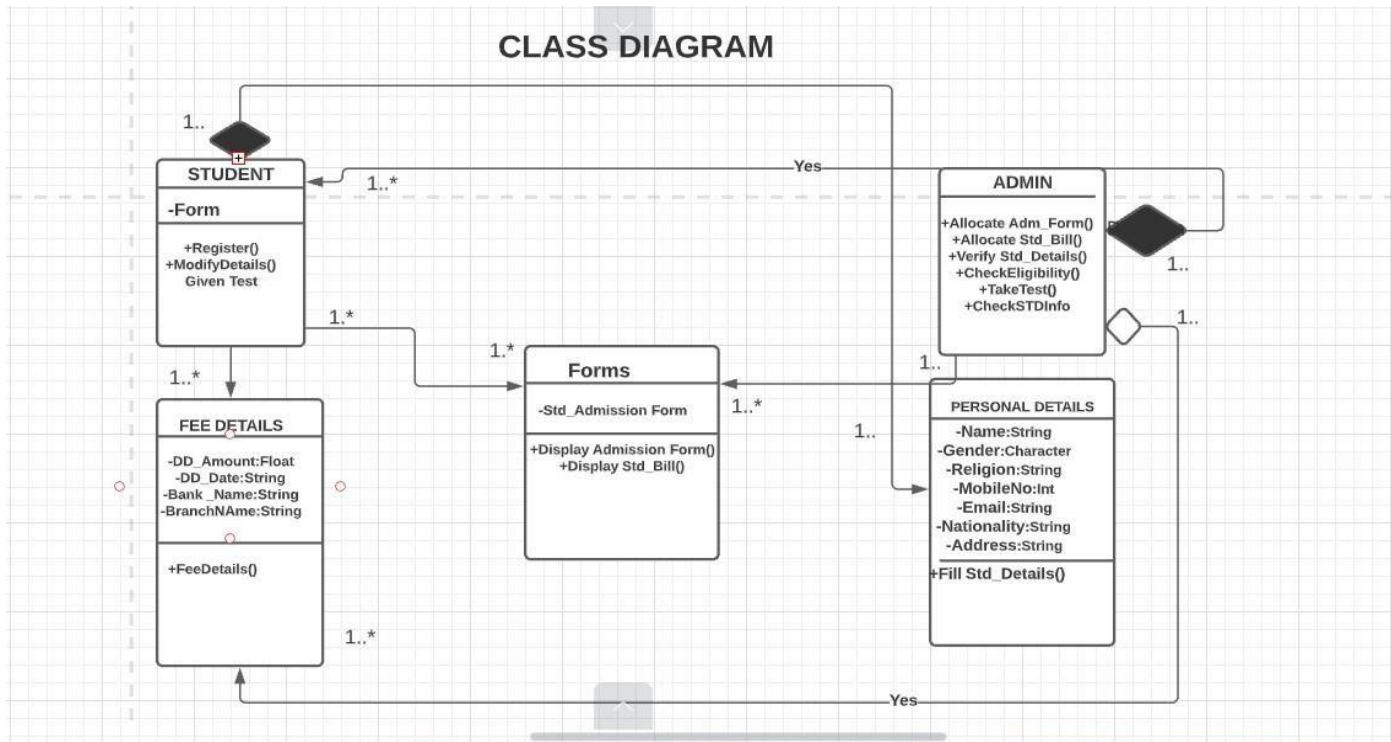
### Use case Diagram:



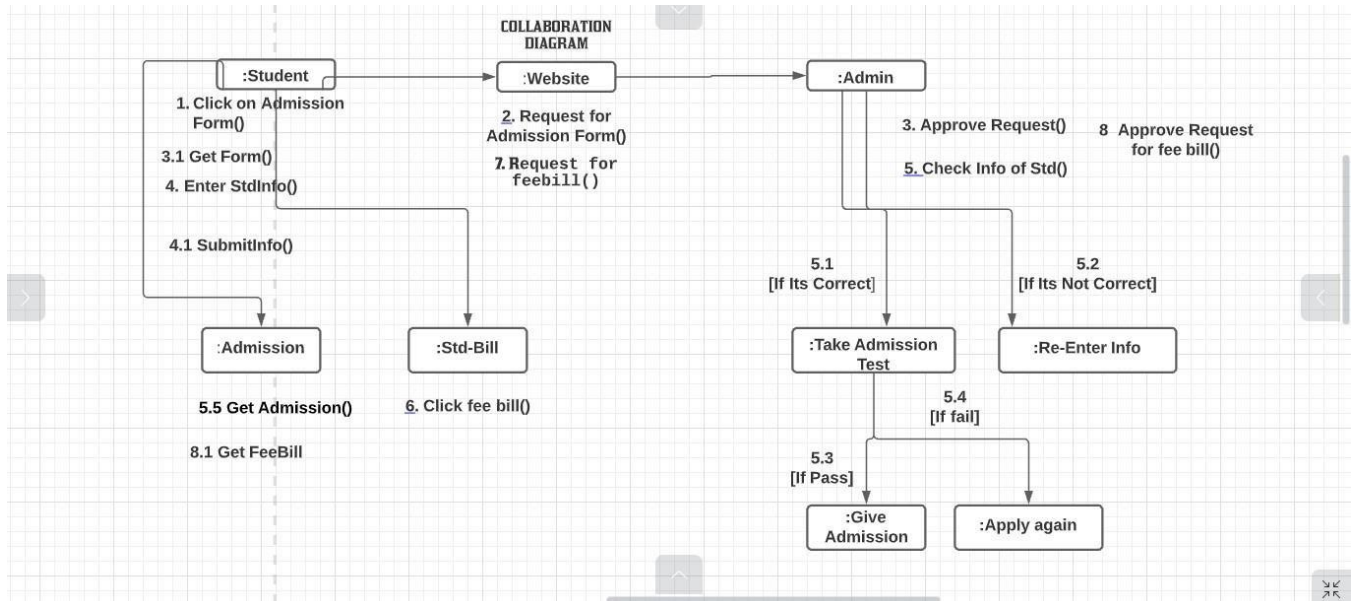
### Sequence Diagram:



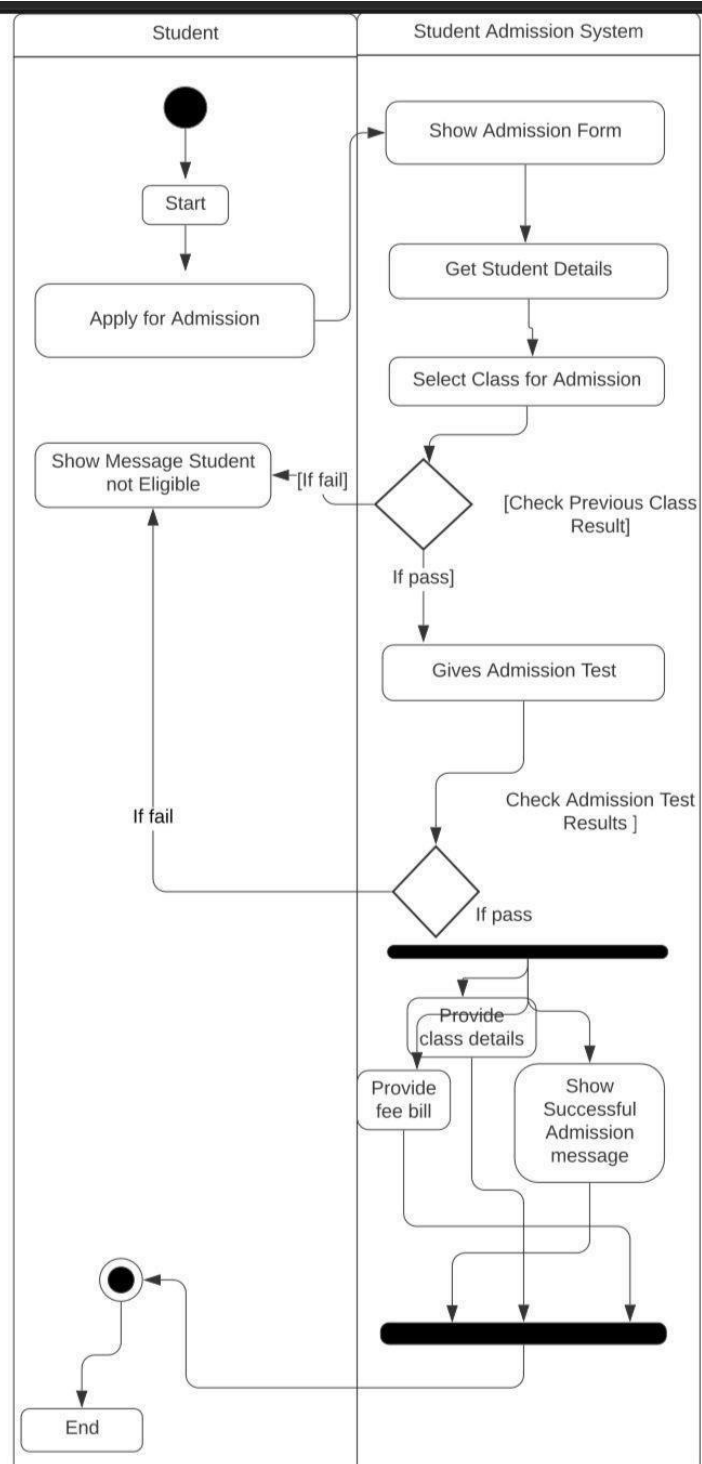
## Class Diagram:



## Collaboration Diagram:

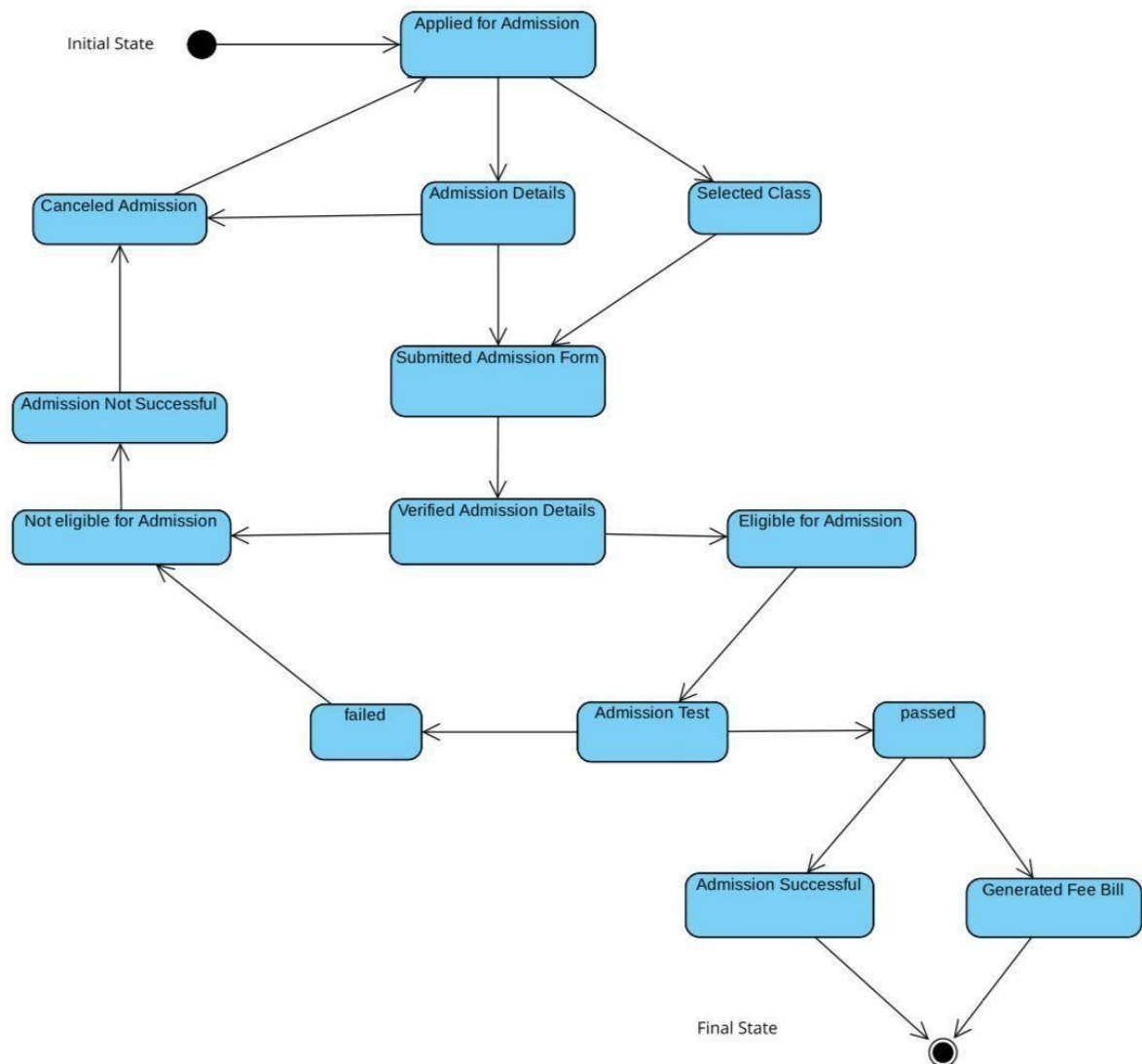


## Activity Diagram:





## State Chart Diagram:



## REFERENCES LINKS

Project Hosting Link: <http://www.nssbcu.somee.com/>

### CLICKUP-LINK

<https://sharing.clickup.com/36183034/b/h/4-60101138-2/b8b1a1076f60aba>

