Darshan University

A Project Report on

"College Management System"

Under the subject

Software Engineering (2301CS405)

B. Tech, Semester – IV

Computer Science & Engineering Department

Submitted By

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Academic Year (2024-2025)

Internal Guide	Dean-DIET
Prof. R. B. Gondaliya	Dr. Gopi Sanghani
Darshan University	Darshan University

Computer Science & Engineering Department
Darshan University

DECLARATION

We hereby declare that the SRS, submitted along with the **Software Engineering (2301CS405)** for entitled **"College Management System"** submitted in partial fulfilment for the Semester-4 of **Bachelor Technology (B. Tech)** in **Computer Science and Engineering (CSE)** Department to Darshan University, Rajkot, is a record of the work carried out at **Darshan University, Rajkot** under the supervision of R. B. Gondaliya and that no part of any of report has been directly copied from any students' reports, without providing due reference.

Keval Dhandhukiya

Student's Signature

Date: <u>26/12/2024</u>

Computer Science & Engineering Department
Darshan University

CERTIFICATE

This is to certify that the SRS on **"College Management System" has** been satisfactorily prepared by **Keval Dhandhukiya** (**23010101064**) under my guidance in the fulfillment of the course **Software Engineering (2301CS405)** work during the academic year 2024-2025.

Internal Guide   Dean-DIET
Prof. R. B. Gondaliya   Dr. Gopi Sanghani
Darshan University   Darshan University

ACKNOWLEDGEMENT

I wish to express my sincere gratitude to my project guide Prof. R. B. Gondaliya and all the faculty members for helping me through my project by giving me the necessary suggestions and advices along with their valuable co- ordination in completing this work.

I also thank my parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of my work. In addition to that, I would also like to mention the Darshan University personals who gave me the permission to use and experience the valuable resources required for the project from the University premises.

Thus, in conclusion to the above said, I once again thank the faculties and members of **Darshan University** for their valuable support in completion of the project.

Thanking You

Keval Dhandhukiya

ABSTRACT

The College Management System is a comprehensive software solution designed to streamline and automate the daily operations of a college. The system aims to provide a centralized platform for managing various aspects of college administration, including student information, faculty details, course management, attendance tracking and report generation.

This system will offer a range of features, including:

- User login facility for students, faculty and administrators.

- Student information management, including admission, registration and grading.

- Faculty management, including staff details, attendance and performance evaluation.

- Course management, including syllabus, timetable and assessment.

- Attendance tracking and reporting.

- Report generation, including student performance, faculty workload and course evaluation.

The system will be designed to reduce manual errors, increase efficiency, and enhance the overall college experience for students, faculty, and administrators. By automating routine tasks and providing real-time information, the College Management System will enable colleges to focus on their core mission of providing quality education.

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1 Introduction

1.1 Product perspective

This project aims to develop a comprehensive College Management System that transforms the traditional manual system into a robust, internet-based application. The system will provide users with easy access to their account details, course information, attendance records, and other relevant data.

As a multi-user platform, the College Management System will efficiently manage all fundamental college functions such as, Student Information Management, Faculty Management, Course Management, Attendance Tracking, Grading and Assessment and Report Generation

1.2 Product features

1.2.1 There are three different users who will be using this product:
- Administrator: Oversees the entire system, manages user accounts, and generates reports.
- Faculty/Staff Member: Accesses student information, manages courses, and tracks attendance.
- Student: Views personal details, course schedules, attendance records, and grades.

1.2.2 The features that are required for the Administrator are:
- Manage user accounts and access controls.
- Track student attendance and performance.
- Manage course schedules, syllabus and materials.
- Monitor and manage student registration, admissions, and graduation processes.
- Issue notifications, alerts and announcements to students, faculty and staff.
- Manage college events, workshops and conferences.

1.2.3 The features that are required for the Faculty are:
- View and manage student information, including profiles, attendance and grades.
- Manage course materials, syllabus and schedules.
- Track student progress and performance.
- Generate reports on student attendance, grades and performance.

1.2.4 The features that are required for the Student are:
- View personal profile, attendance and grades.
- Access course materials, syllabus and schedules.
- Track progress and performance.
- Receive notifications, alerts, and announcements from faculty and administrators.
- Access online resources, including library catalogues, academic databases and online tutorials.

1.3 Functional Requirement

1.3.1 Student
- Login: Students access the system with their username and password.
- View Profile: Students can view their personal and academic information.
- View Result: Students can access their exam results and grades.
- Request Certificate: Students can request certificates, such as transcripts or diplomas.
- View Attendance: Students can view their attendance records.
- View Time-Table: Students can access their class schedules and timetables.
- View Course Details: Students can view the course Details, including course descriptions and prerequisites.
- Register for Courses: Students can register for courses online.

- Raise Grievance/Complaint: Students can submit complaints or grievances.
- Submit Assignments: Students can upload and submit assignments.
- Give Feedback: Students can provide feedback on courses, faculty, or services.
- See Fee History: Students can view their payment history and outstanding fees.
- Pay Fees: Students can make online payments for fees and other expenses.
- Fill Exam Form: Students can fill out and submit exam forms.
- Download Study Material: Students can access and download study materials, such as e-books, notes, and presentations.

1.3.2 Faculty

- Give Assignment: Faculty can create and assign tasks to students.
- Upload Study Material: Faculty can upload study materials, such as notes, presentations, and readings.
- Upload Result: Faculty can upload student grades and exam results.
- Take Attendance: Faculty can record student attendance.
- Conduct/Schedule Exam: Faculty can schedule and conduct exams.

1.3.3 Admin

- Add Student/Faculty: Admin can add new students and faculty members to the system.
- Remove Student/Faculty: Admin can remove students and faculty members from the system.
- Change Student/Faculty Details: Admin can update student and faculty information.
- Issue Requested Certificate: Admin can issue certificates, such as transcripts or diplomas.
- Post Recent News: Admin can post news, announcements, and updates.
- Conduct/Schedule Exam: Admin can schedule and conduct exams.
- Reset Password: Admin can reset passwords for students, faculty and staff.

1.4 Non-Functional Requirement

1.4.1 Usability:

- The UI should be simple enough for everyone to understand and get the relevant information without any special training. Different languages can be provided based on the requirements.

1.4.2 Accuracy:

- The data stored about the students or faculties should be correct, consistent and reliable.

1.4.3 Availability:

- The System should be available for the duration when the college operates and must be recovered within an hour or less if it fails. The system should respond to the requests within two seconds or less.

1.4.4 Maintainability:

- The software should be easily maintainable and adding new features and making changes to the software must be as simple as possible. In addition to this, the software must also be portable.

2 Design and Implementation Constraints
2.1 Use case diagram
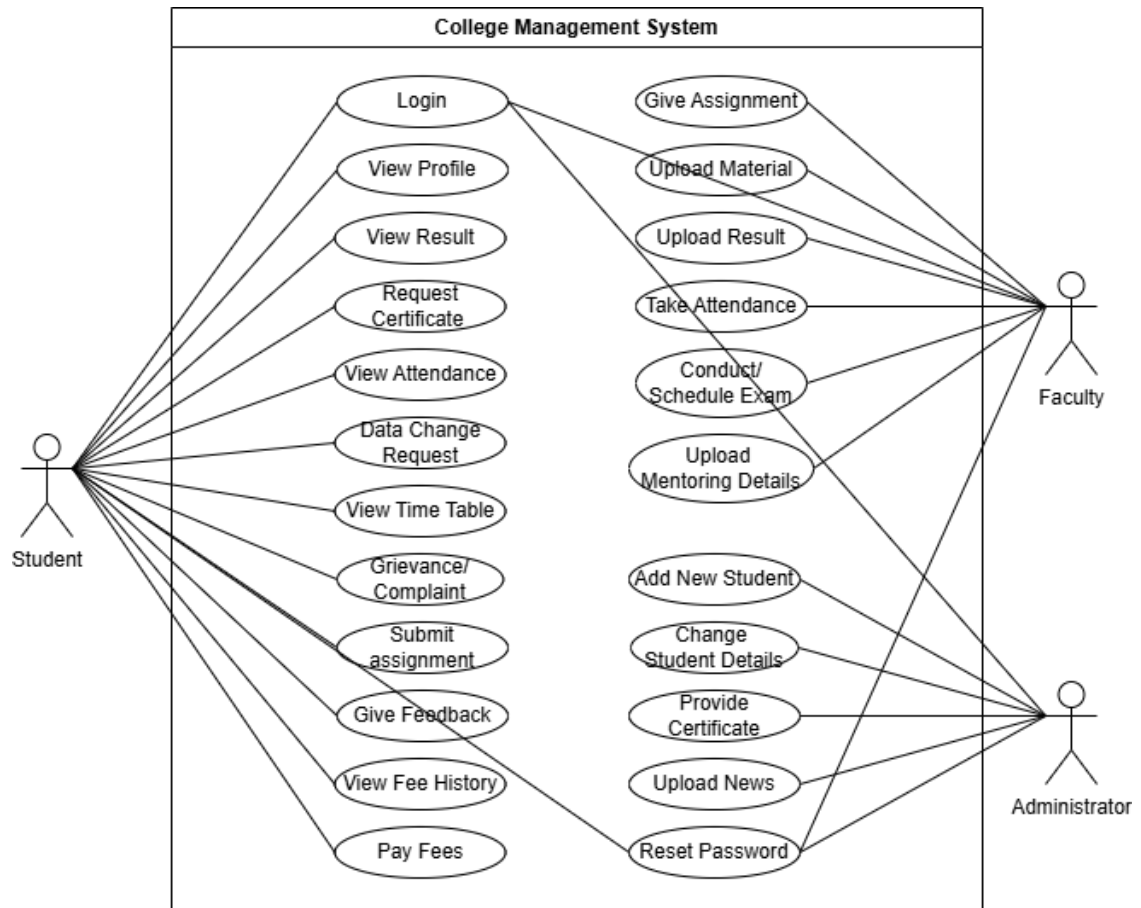
Figure 1 Use case diagram for college management system

2.2 Activity diagram and Swimlane diagram
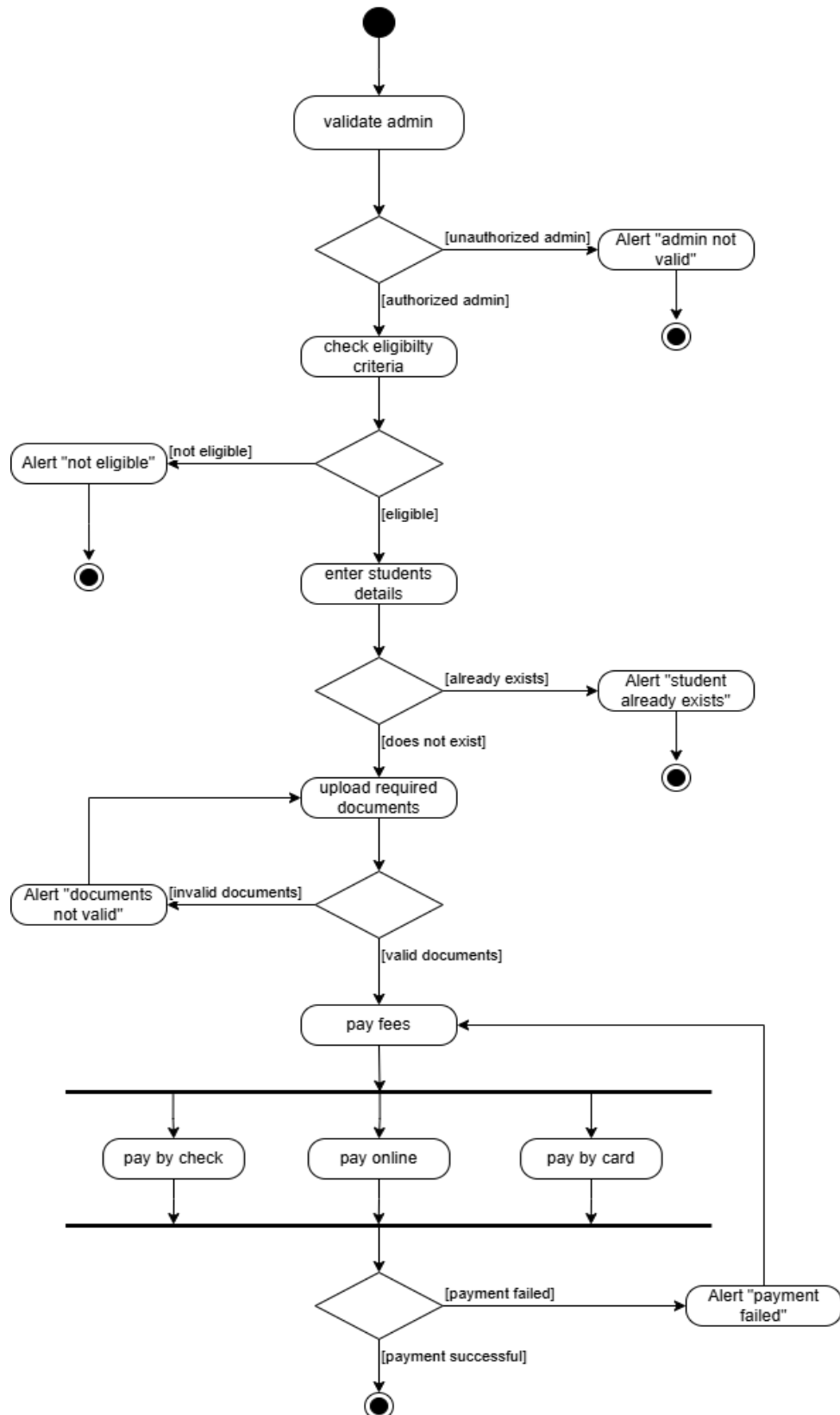
Figure 2 Activity diagram to add new student
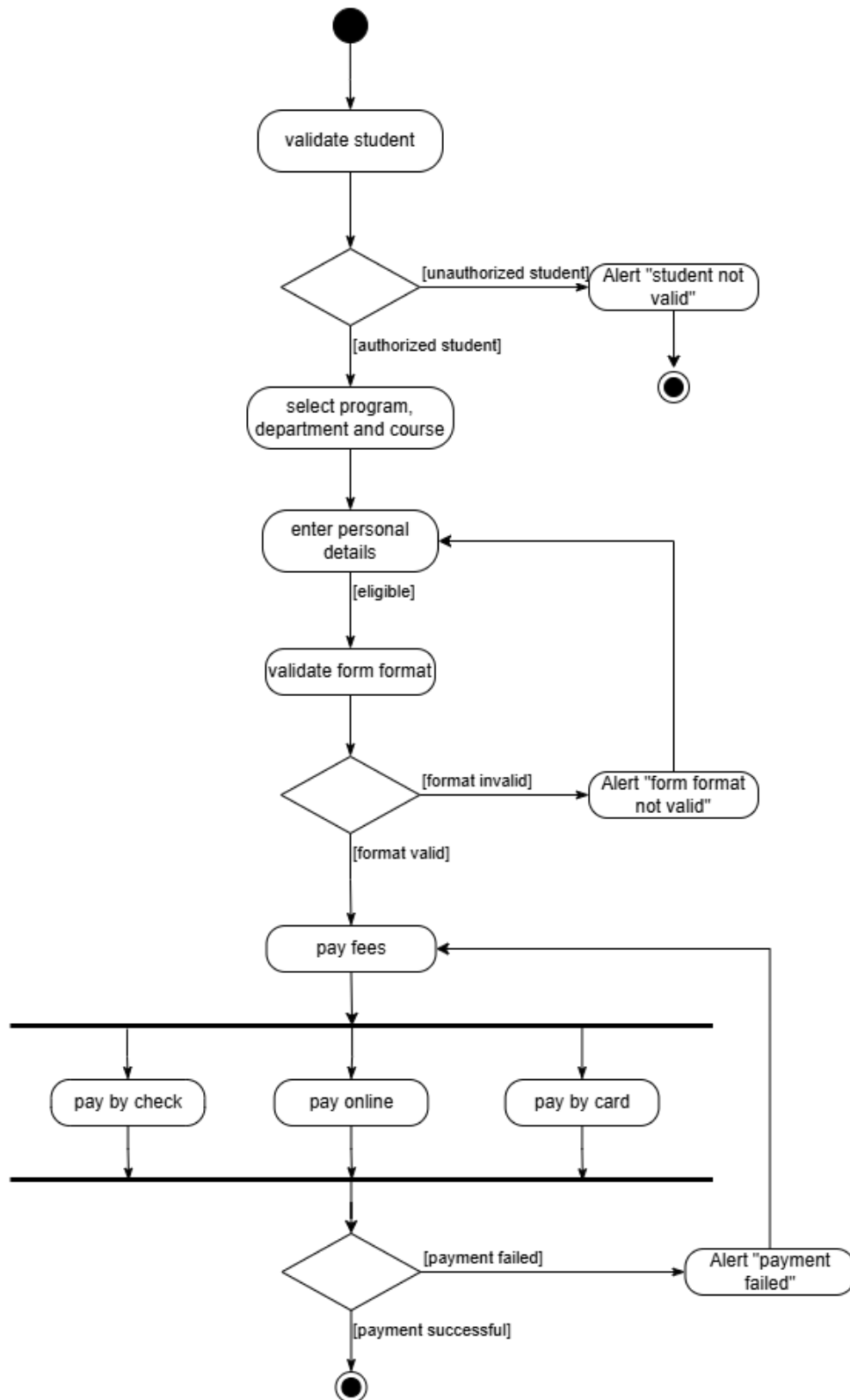
Figure 3 Activity diagram to fill exam form
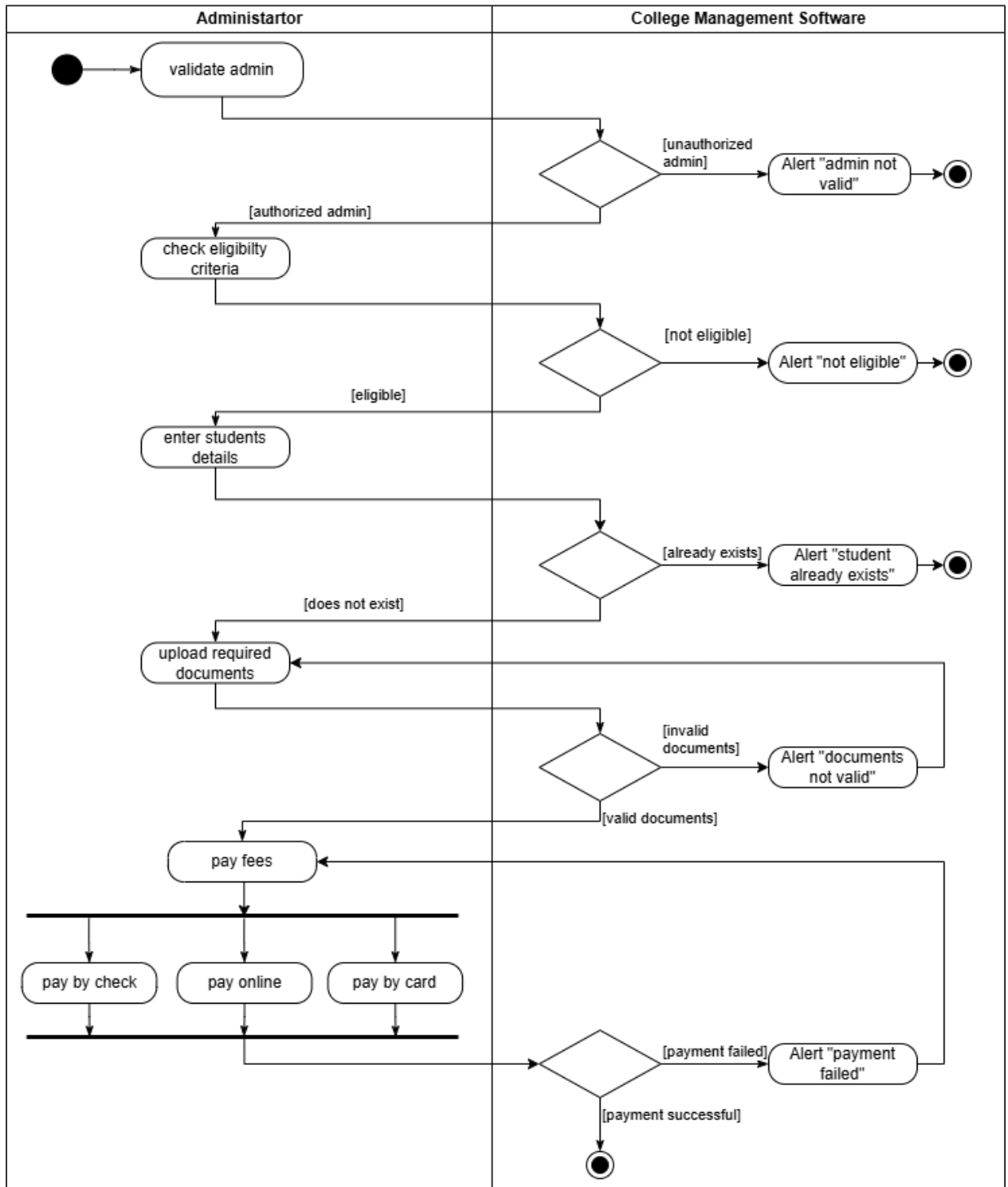
Figure 4 Swimlane diagram to add new student
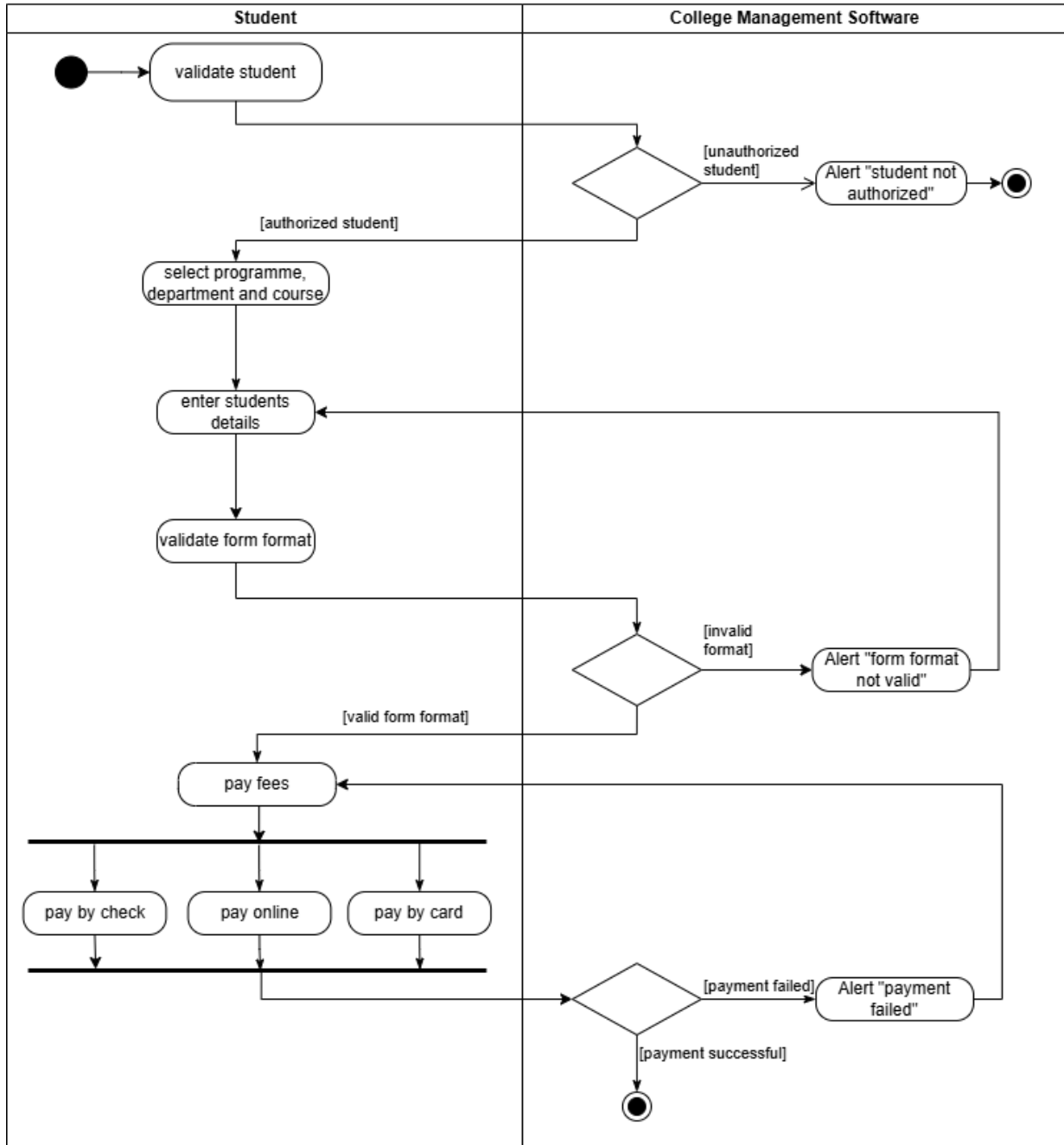
Figure 5 Swimlane diagram to fill exam form

2.3 Sequence diagram
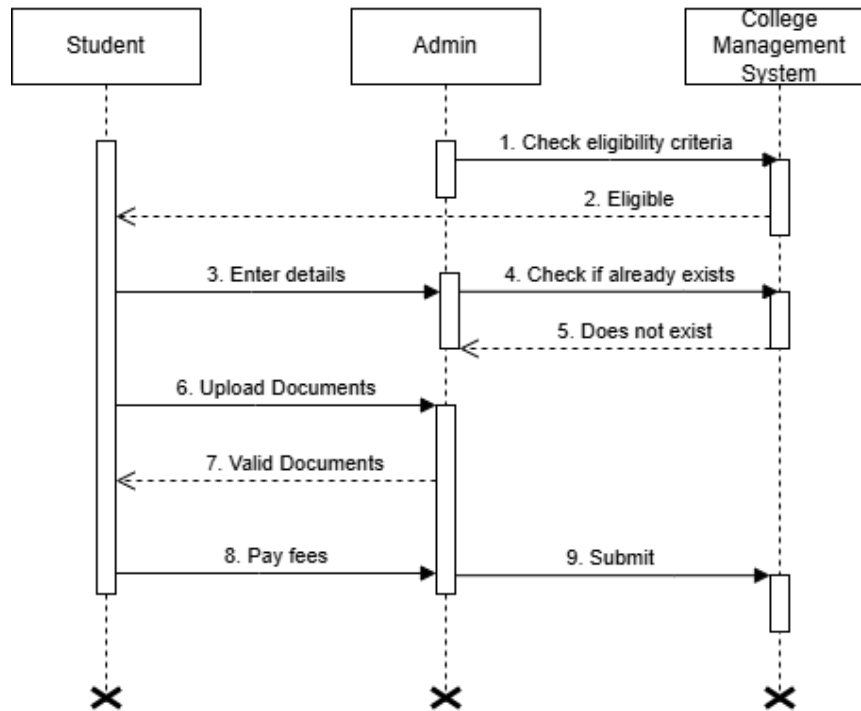
Figure 6 Sequence diagram to add new student
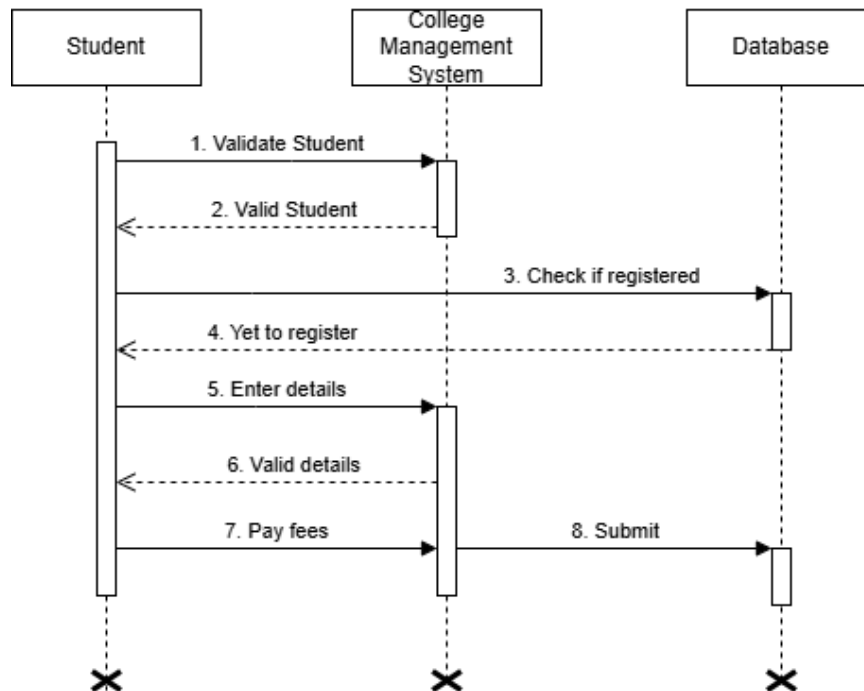
Figure 7 Sequence diagram to fill exam form

2.4 State diagram
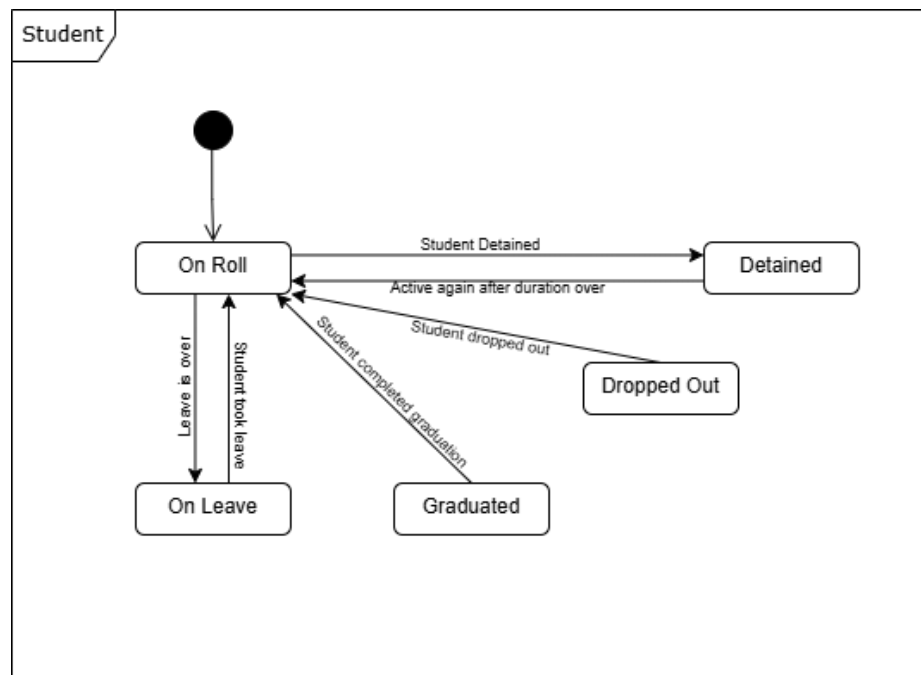
Figure 8 State diagram of student
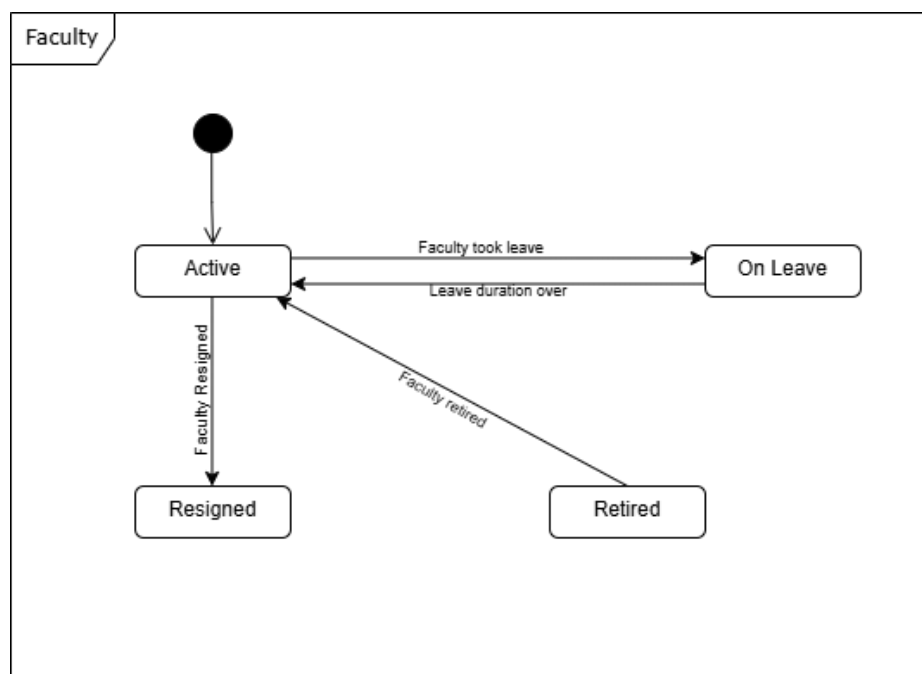
Figure 9 State diagram of faculty

2.5   Class diagram
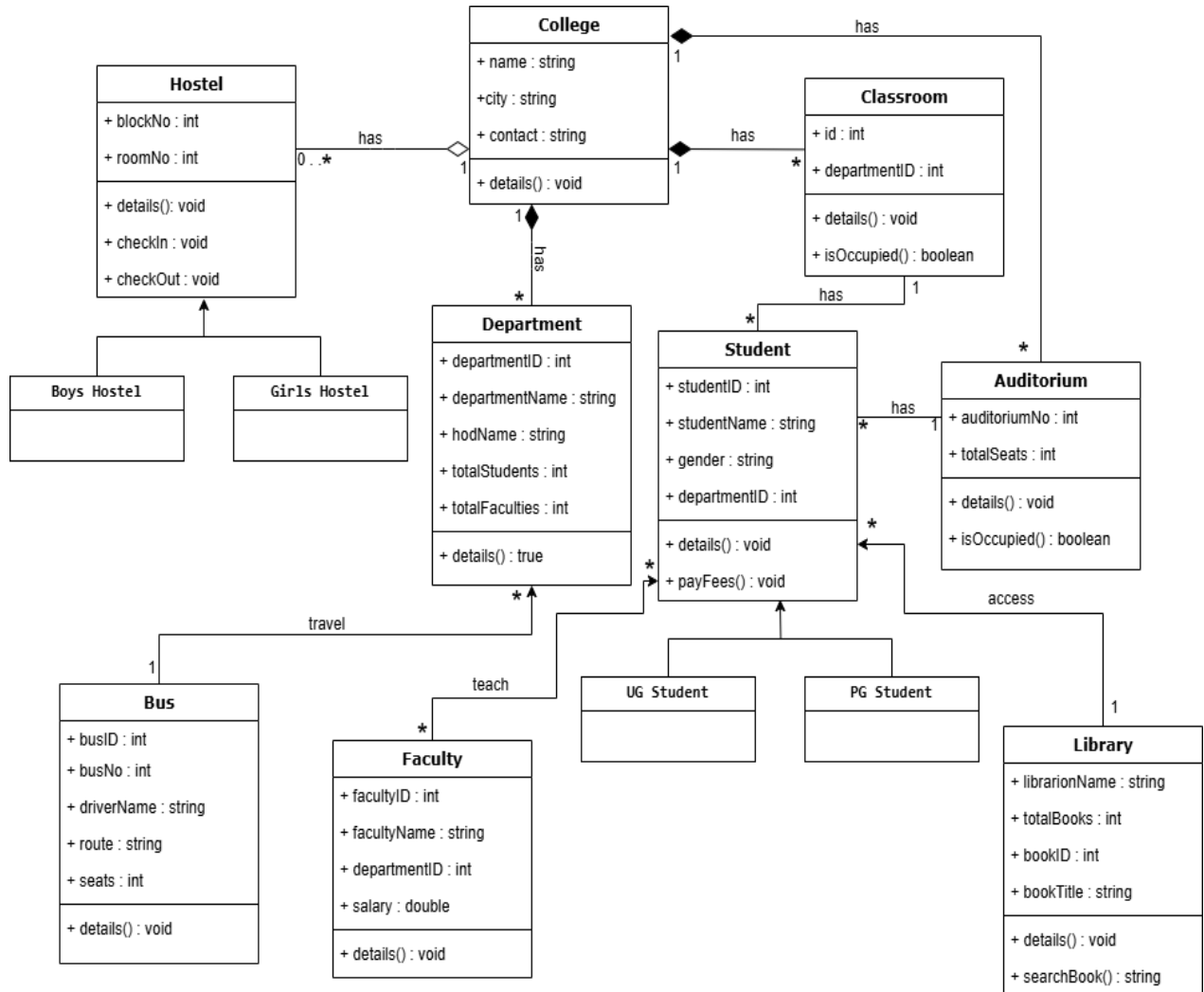
Figure 10 Class diagram for college management system

2.6   Data flow diagram

2.6.1 Context diagram (level-0)
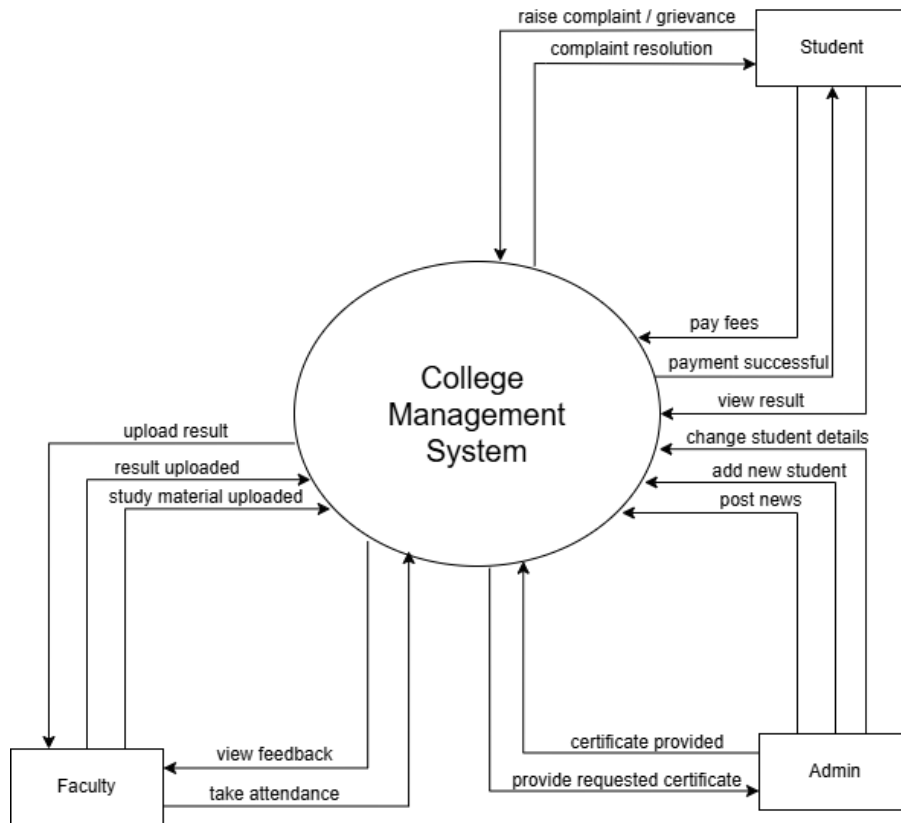
Figure 11 Context diagram for college management system

2.6.2 DFD Level-1
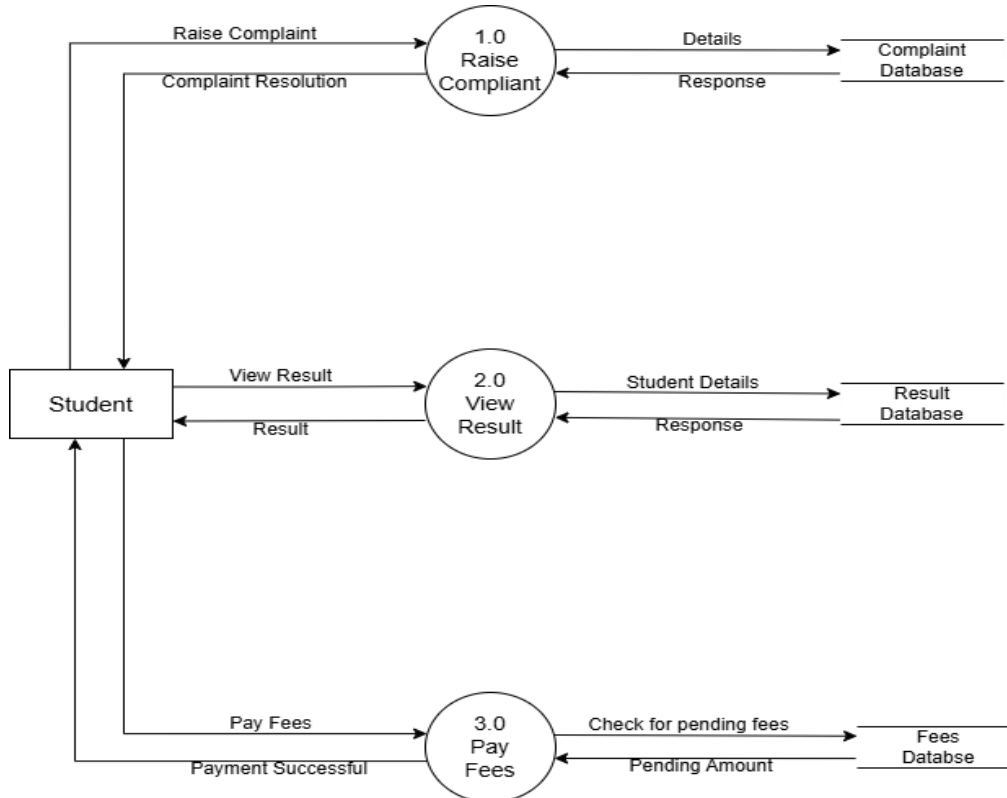
Figure 12 DFD level-1 for college management system

2.6.3 DFD Level-2
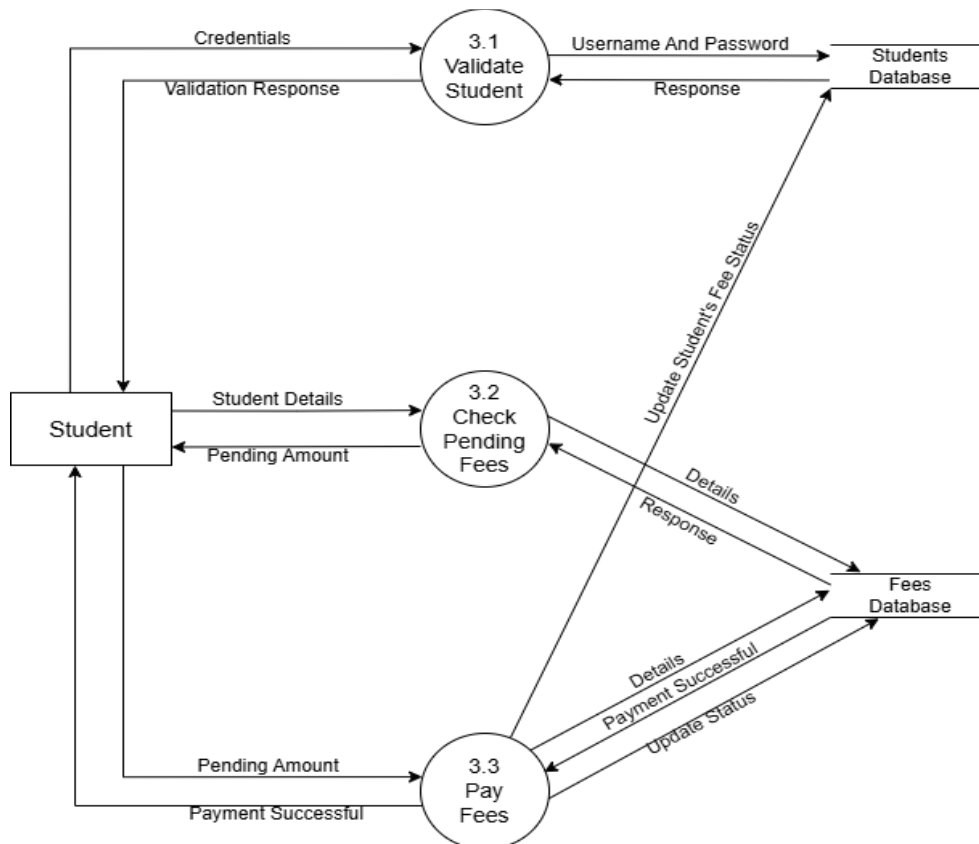
Figure 13 DFD level-2 for pay fees

3 External interface requirement (Screens)

3.1 Screen-1: View Profile

Figure 14 Screen-1 : View Profile

Purpose: This screen will allow students to view their profile with personal information as well as educational qualification information.

Table 3-1 Screen element of View Profile

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Personal	Button	-----	-----	Personal is a button to view personal information of the student.
2	Admission	Button	-----	-----	Admission is a button to view admission related information of the student.
3	Contact	Button	-----	-----	Contact is a button to view contact information of the student.
4	Parents	Button	-----	-----	Parents is a button to view personal information of the parents.
5	Education Qualification	Button	-----	-----	Education Qualification is a button to view educational information of the student.
6	Qualifying Exam	Button	-----	-----	Qualifying Exam is a button to view all the information about qualified exams of the student.
7	Name	Text	-----	-----	Displays the full name of the student.
8	Gender	Text	-----	-----	Displays the gender of the student.
9	Birth Date	Text	-----	-----	Displays the birth date of the student.
10	Birth Place	Text	-----	-----	Displays the birth place of the student.
11	Religion	Text	-----	-----	Displays the religion of the student.

12	Caste Category	Text	-----	-----	Displays the caste category of the student.
13	Caste	Text	-----	-----	Displays the caste of the student.
14	Domicile State	Text	-----	-----	Displays the domicile state of the student.
15	Nationality	Text	-----	-----	Displays the nationality of the student.
16	Region	Text	-----	-----	Displays the region of the student.
17	Blood Group	Text	-----	-----	Displays the blood group of the student.
18	Mother Tongue	Text	-----	-----	Displays the mother tongue of the student.
19	Are you NRI	Text	-----	-----	Displays if the student is an NRI.
20	Aadhaar No	Text	-----	-----	Displays the Aadhaar number of the student.
21	Name as per Aadhaar	Text	-----	-----	Displays the name as per Aadhaar.
22	Are you physically disabled	Text	-----	-----	Displays if the student is physically disabled.
23	Are you living in hostel	Text	-----	-----	Displays if the student is living in the hostel.
24	Anti-Ragging Undertaking Ref. No	Text	-----	-----	Displays the anti-ragging undertaking reference number.
25	Family Annual Income	Text	-----	-----	Displays the family annual income of the student.

3.2 Screen-2: Download Study Material

Figure 15 Screen-2 : Download Study Material

Purpose: This screen will allows students to read or download study materials like presentation, notes etc.

Table 3-2 Screen element of Download Study Material

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Material name	button	-----	-----	Material name shows the details about the documents.
2	Download	button	-----	-----	Download button downloads the study material to student
3	Presentation	button	-----	-----	Presentation is a button to display all the presentation files.
4	Assignments	button	-----	-----	Assignment is a button to view given assignment.
5	Lab Manual	button	-----	-----	Lab Manual is a button to view all the lab manuals.

3.3 Screen-3: Give Assignment

Figure 16 Screen-3 : Give Assignment

Purpose: This screen allows faculties to assign tasks to student class wise.

Table 3-3 Screen element of Give Assignment

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Unit	Textbox	M	1	Unit field should be editable and allow faculties to enter value.
2	Topic	Textbox	O	1	Topic field should be editable and allow faculties to enter value.
3	Description	Textbox	O	1	Description field should be editable and allow faculties to enter value.
4	Class	Selection List	M	1	Class field should be editable and allow faculties to select classes to assign work.
5	Due Date	Date	M	1	Date field should be editable and aloe faculties to select a due date.
6	Upload File	File Input Field	O	1	Upload file field should be clickable and allow faculties to upload file.
7	Comment	Text-Area	O	1	Comment field should be editable and allow faculties to write comment.
8	Upload	Button	-----	-----	Upload button should be clickable and store data in database.

3.4 Screen-4: Add Student

Figure 17 Screen-4 : Add Student

Purpose: This screen is to add new student's details to database.

Table 3-4 Screen element of Add Student

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Personal	button	-----	-----	Personal is a button to add personal information of the student.
2	Admission	button	-----	-----	Admission is a button to add admission related information of the student.
3	Contact	button	-----	-----	Contact is a button to add contact information of the student.
4	Parents	button	-----	-----	Parents is a button to add personal information of the parents.
5	Education Qualification	button	-----	-----	Education Qualification is a button to add educational information of the student.
6	Qualifying Exam	Button	-----	-----	Qualifying Exam is a button to add all the information about qualified exams of the student.
7	Name	Textbox	M	1	Enter the full name of the student.
8	Gender	Dropdown	M	1	Select the gender of the student.
9	Birth Date	Date Picker	M	1	Select the birth date of the student.
10	Birth Place	Textbox	M	1	Enter the birth place of the student.
11	Religion	Dropdown	M	1	Select the religion of the student.
12	Caste Category	Dropdown	M	1	Select the caste category of the student.
13	Caste	Textbox	M	1	Enter the caste of the student.
14	Domicile State	Dropdown	M	1	Select the domicile state of the student.
15	Nationality	Dropdown	M	1	Select the nationality of the student.
16	Region	Textbox	M	1	Enter the region of the student.
17	Blood Group	Dropdown	M	1	Select the blood group of the student.
18	Mother Tongue	Textbox	M	1	Enter the mother tongue of the student.
19	Are you NRI	Radio Button	M	1	Select if the student is an NRI.
20	Aadhaar No	Textbox	M	1	Enter the Aadhaar number of the student.
21	Name as per Aadhaar	Textbox	M	1	Enter the name as per Aadhaar.
22	Are you physically disabled	Radio Button	M	1	Select if the student is physically disabled.
23	Are you living in hostel	Radio Button	M	1	Select if the student is living in the hostel.
24	Anti-Ragging Undertaking Ref. No	Textbox	O	1	Enter the anti-ragging undertaking reference number.
25	Family Annual Income	Textbox	M	1	Enter the family annual income of the student.

| 26 | Save | Button | ----- | ----- | Save is a button for store the entered data into database. |
| 27 | Cancel | Button | ----- | ----- | Cancel is a button for close add Add Student dialog. |

3.5 Screen-5: Reset Password

Figure 18 Screen-5 : Reset Password

Purpose: This module will allow the system users to reset password.

Table 3-5 Screen element of Reset Password

Sr.	Screen Element	Input Type	O/M	1/N	Description

1	Old Password	Password	M	1	Old Password field should be editable and accept password input.
2	New Password	Password	M	1	New Password field should be editable and accept password input.
3	Confirm New Password	Password	M	1	Confirm New Password field should be editable and accept password input.
4	Save	Button	-----	-----	Save is a button for store the entered data into database.
5	Cancel	Button	-----	-----	Cancel is a button for close reset password dialog.

4 Database design

4.1 List of Tables

- Student
- Faculty
- Admin
- Department
- Hostel

Table 4-1 Table: Student

Column	Data Type	Null	Keys & Constrains	Default Value & Description
EnrolmentNo	INT	NN	PK	
StudentName	VARCHAR(100)	NN		
Gender	VARCHAR(100)	NN		

DoB	DATETIME	AN		
DepartmentID	VARCHAR(100)	NN		Reference of Department Table
Contact	DECIMAL(10,0)	AN		
Address	VARCHAR(500)	AN		
Sem	INT	NN		

Table 4-2 Table: Faculty

Column	Data Type	Null	Keys & Constrains	Default Value & Description
FacultyID	INT	NN	PK	
FacultyName	VARCHAR(100)	NN		
Gender	VARCHAR(100)	NN		
DoB	DATETIME	AN		
DepartmentID	VARCHAR(100)	NN		Reference of Department Table
Contact	DECIMAL(10,0)	AN		
Address	VARCHAR(500)	AN		
Designation	VARCHAR(100)	NN		

Table 4-3 Table: Admin

Column	Data Type	Null	Keys & Constrains	Default Value & Description
AdminID	INT	NN	PK	
AdminName	VARCHAR(100)	NN		
Position	VARCHAR(100)	AN		
Contact	DECIMAL(10,0)	AN		
Gender	VARCHAR(100)	NN		
DoB	DATETIME	AN		
Address	VARCHAR(500)	AN		

Table 4-4 Table: Department

Column	Data Type	Null	Keys & Constrains	Default Value & Description
DepartmentID	VARCHAR(100)	NN	PK	
DepartmentName	VARCHAR(100)	NN		

Column	Data Type	Null	Keys & Constrains	Default Value & Description
HoD	VARCHAR(100)	NN		

Table 4-5 Table: Hostel

Column	Data Type	Null	Keys & Constrains	Default Value & Description
HostelID	INT	NN	PK	
RoomNo	INT	NN		
EnrolmentNo	INT	NN		Reference of Student Table
NoOfRooms	INT	NN		
Vacancy	INT	NN		
Location	VARCHAR(500)	AN		

5 Stories and Scenario

5.1 Story-1: Raise Complaint

*Story # **S1***	:	**As a** Student, **I want to** raise a complaint regarding any issue I face in the college **So that** the administration can address and resolve it.
Priority	:	High
Estimate	:	M
Reason	:	Allowing students to raise complaints ensures that issues are reported and resolved, improving the overall student experience

5.1.1 Scenario# S1.1

*Scenario# **S1.1***	:	Raising a Complaint with Valid Information
Prerequisite	:	The student is logged into the college management system.
Acceptance Criteria	:	**Given:** The student navigates to the complaint page and sees the "Raise Complaint" option. **When:** The student selects the "Raise Complaint" option. Enters valid complaint details, including the issue description, relevant category (e.g., academic, hostel, transportation), and any supporting information. The student clicks the "Submit" button to raise the complaint. **Then:** The system successfully records the complaint. The student receives a confirmation message with a unique complaint ID. The complaint status is set to "Open" and visible in the student's complaint dashboard.

5.1.2 Scenario# S1.2

*Scenario# **S1.2***	:	Raising a Complaint with Incomplete Information
Prerequisite	:	The student is logged into the college management system.

Acceptance Criteria	:	**Given:** The student is on the complaint page. **When:** The student selects the "Raise Complaint" option. Enters incomplete or incorrect complaint details (e.g., missing issue description, wrong category). The student clicks the "Submit" button to raise the complaint. **Then :** The system displays error messages for the incomplete or incorrect information.
		The complaint is not recorded. The student is prompted to correct the information and resubmit.

5.2 Story-2: Manage Assignment

Story # S2	:	**As a** Faculty, **I want to** manage assignments for my courses **So that** I can keep track of student submissions, deadlines, and feedback.
Priority	:	High
Estimate	:	M
Reason	:	Efficient management of assignments ensures timely feedback and improves the overall educational experience.

5.2.1 Scenario# S2.1

Scenario# S2.1	:	Giving an Assignment with Valid Information
Prerequisite	:	The faculty member is logged into the college management system.

Acceptance Criteria	:	**Given:** The faculty member navigates to the course management page and selects the course for which they want to give an assignment.
		When:
		The faculty member selects the "Give Assignment" option.
		Enters valid assignment details, including the assignment topic, description, due date, and any required files or resources.
		The faculty member clicks the "Submit" button to give the assignment.
		Then:
		The system successfully records the assignment and notifies the students enrolled in the course.
		The students receive an alert with the assignment details and due date.
		The assignment is visible in the students' course dashboard.

5.2.2 Scenario# S2.2

Scenario# **S2.2**	:	Editing an Existing Assignment
Prerequisite	:	The faculty member is logged into the college management system.
Acceptance Criteria	:	**Given:** The faculty member navigates to the assignments page and selects an existing assignment they wish to edit. **When:** The faculty member clicks on the "Edit" button next to the assignment. Enters the updated assignment details, including title, description, due date, or relevant course. The faculty member clicks the "Save" button to update the assignment.
		Then : The system successfully updates the assignment with the new details. The faculty member receives a confirmation message that the assignment has been updated. The updated assignment is visible in the faculty member's assignments dashboard.

5.3 Story-3: Manage Student Records

Story # **S3**	:	**As** an Admin, **I want** to manage student records **So that** I can keep student information up-to-date and accurate.
Priority	:	High

Estimate	:	M
Reason	:	Keeping accurate student records is essential for smooth administrative operations and regulatory compliance.

5.3.1 Scenario# S3.1

*Scenario# **S3.1***	:	Adding a New Student Record
Prerequisite	:	The admin is logged into the college management system.
Acceptance Criteria	:	**Given:** The admin navigates to the student records page and sees the "Add New Student" option.
		When:
		The admin selects the "Add New Student" option.
		Enters valid student details, including name, date of birth, contact information, and enrolment details.
		The admin clicks the "Submit" button to add the new student record.
		Then:
		The system successfully records the new student.
		The admin receives a confirmation message with the student ID.
		The new student record is visible in the admin's student records dashboard.

5.3.2 Scenario# S3.2

*Scenario# **S3.2***	:	Editing an Existing Student Record
Prerequisite	:	The admin is logged into the college management system.
Acceptance Criteria	:	**Given:** The admin navigates to the student records page and selects an existing student record they wish to edit.

When:

The admin clicks on the "Edit" button next to the student record.

Updates the student details, such as contact information or enrolment status.

The admin clicks the "Save" button to update the student record.

Then :

The system successfully updates the student record with the new details.

The admin receives a confirmation message that the student record has been updated.

The updated student record is visible in the admin's student records dashboard.

6 Test cases

6.1 Module – 1 : Give Assignment

Project Name:	College Management System	Test Designed by:	Keval Dhandhukiya
Module Name:	Give Assignment	Test Designed date:	01-02-2025
Release Version:	1.0	Test Executed by:	
		Test Execution date:	

Pre-condition: Web application should be accessible				
Test Case ID	Test Title	Test Type	Description	Test Case ID
TC_001	Assign a New Assignment to Students	Functional	Verify that a faculty member can successfully assign a new assignment to students in the College Management System.	TC_001
TC_002	Verify Assignment Creation Form Elements	GUI	Verify the presence and functionality of all elements on the assignment creation form in the College Management System.	TC_002

6.1.1 Test Case – 1.1

Test Case Title	Assign a New Assignment to Students
Test Type	Functional
Test Priority	High
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Navigate to the "Assignments" section	Faculty should be redirected to the Assignments page.	Faculty is redirected to the Assignments page.	Pass			

2	Click on "Create New Assignment" button	Faculty should be redirected to the assignment creation form.	Faculty is redirected to the assignment creation form.	Pass			
3	Enter assignment details such as title, description, due date, and upload any	Assignment details should be input successfully.	Assignment details are input successfully.	Pass			
	necessary files						
4	Click on "Save" button	Assignment should be created and assigned to the selected students/class.	Assignment is created and assigned to the selected students/class.	Pass			

6.1.2 Test Case – 1.2

Test Case Title	Verify Assignment Creation Form Elements
Test Type	GUI
Test Priority	Medium
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Navigate to the "Assignments" section	Faculty should be redirected to the Assignments page.	Faculty is redirected to the Assignments page.	Pass			

2	Click on "Create New Assignment" button	Faculty should be redirected to the assignment creation form.	Faculty is redirected to the assignment creation form.	Pass			
3	Verify that the form contains fields for title, description, due date, and file upload	All fields should be displayed properly on the form.	All fields are displayed properly on the form.	Pass			
4	Verify that tab functionality is working properly or not	When tab pressed cursor move in next control	Cursor moving in next control	Pass			
5	Verify that all the fields has a valid placeholder	All text fields have proper placeholder	All text fields have proper placeholder	Pass			
6	Verify that the "Save" or "Assign" button is present and enabled	The button should be displayed and enabled.	The button is displayed and enabled.	Pass			

6.2 Module – 2 : Add New Student

Project Name:	College Management System	Test Designed by:	Keval Dhandhukiya
Module Name:	Add New Student	Test Designed date:	01 -02-2025
Release Version:	1.0	Test Executed by:	

		Test Execution date:	

Pre-condition: Web application should be accessible				
Test Case ID	**Test Case ID**	**Test Case ID**	**Test Case ID**	**Test Case ID**
TC_001	Add a New Student to the System	Functional	Ensure that a new student can be successfully added to the College Management System by verifying all necessary fields and steps.	TC_001
TC_002	Verify Student Registration Form Elements	GUI	Check the presence and functionality of all elements on the student registration form within the College Management System.	TC_002

6.2.1 Test Case – 2.1

Test Case Title	Add a New Student to the System
Test Type	Functional
Test Priority	High
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Navigate to the "Students" section	Admin should be redirected to the Students management page.	Admin is redirected to the Students management page.	Pass			
2	Click on "Add New Student" button	Admin should be redirected to the student registration form.	Admin is redirected to the student registration form.	Pass			

		Student details should be input successfully.	Student details are input successfully.	Pass			
3	Enter student details such as name, email, contact number, and select class/section	Student details should be input successfully.	Student details are input successfully.	Pass			
4	Upload a profile picture and required documents	Profile picture and documents should be uploaded successfully.	Profile picture and documents are uploaded successfully.	Pass			
5	Click on "Save" button	New student should be added to the system, and a confirmation message is displayed.	New student is added to the system, and a confirmation message is displayed.	Pass			

6.2.1 Test Case – 2.2

Test Case Title	Verify Student Registration Form Elements
Test Type	GUI
Test Priority	Medium
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID

1	Navigate to the "Students" section	Admin should be redirected to the Students management page.	Admin is redirected to the Students management page.	Pass			
2	Click on "Add New Student" button	Admin should be redirected to the student registration form.	Admin is redirected to the student registration form.	Pass			
3	Verify that the form contains fields for name, email, contact number, class/section, and file upload	All fields are displayed properly on the form.	All fields are displayed properly on the form.	Pass			
4	Verify that tab functionality is working properly or not	When tab pressed cursor move in next control	Cursor moving in next control	Pass			
5	Verify that all the fields has a valid placeholder	All text fields have proper placeholder	All text fields have proper placeholder	Pass			
6	Verify that the "Save" button is present and enabled	The button should be displayed and enabled.	The button is displayed and enabled.	Pass			

7 References

- http://www.w3schools.com/html/html_intro.asp
- https://www.w3schools.com/php/default.asp
- https://www.javatpoint.com/uml