

## Test Case for Login

**Test Case ID:** TC-001

**Test Case Type:** Functional

**Requirement Number:** 1

**Module:** Login

**Severity:** Critical

**Status:** Not Run

**Version:** 2.0

**Release:** January 10, 2024

**Pre-Conditions:** The system is running and accessible.

Step no.	Description	Input	Expected Result	Actual Result	Status	Comment
1	Open the browser and navigate to the login page	URL: localhost:3000/User/login	Login page is displayed	As Expected,	Pass	xxx
2	Enter valid username and password	Username: admin, Password: admin	User is successfully logged in	As Expected,	Pass	xxx
3	Enter invalid username and password	Username: adminwrong, Password: adminwrong	Error message "Invalid credentials" is displayed	As Expected,	Fail	xxx
4	Enter valid username and invalid password	Username: admin, Password: adminwrong	Error message "Invalid credentials" is displayed	As Expected,	Fail	xxx
5	Enter invalid username and valid password	Username: adminwrong, Password: admin	Error message "Invalid credentials" is displayed	As Expected	Fail	xxx

**Author:** Bishal Raj Bhattarai

**Date:** 2024/1/10

**Reviewed By:** Tester

**Approved By:** Tester Admin

## Test Case for Student Deletion

**Test Case Name/ID:** (TC-002)

**Test Case Type:** Functional

**Requirement Number:** 2

**Module:** Admin Dashboard - Manage Students

**Severity:** Medium

**Status:** Not Run

**Version:** 2.0

**Release:** February 6, 2024

**Pre-condition:** Admin is logged in and a student record exists in the system.

**Test Data:** Admin credentials, student record to delete

Step no.	Description	Input	Expected Result	Actual Result	Status	Comment
1	Login to the Admin dashboard	Admin credentials	Dashboard is accessible	Dashboard was accessible	Pass	xxx
2	Navigate to Manage Students section		Manage Students page loads	Manage Students page loaded	Pass	xxx
3	Find the student to be deleted	Student ID/name	Student details displayed	Student details were displayed	Pass	xxx
4	Click on the delete button for the student	Delete button clicked	Confirmation prompt appears	Confirmation prompt appeared	Pass	xxx
5	Confirm deletion	Confirm deletion	Student is deleted	Student was successfully deleted	Pass	xxx
6	Verify student is deleted from the system	Search for student	Student not found	Student was not found in the system	Pass	xxx

**Author:** Bishal Raj Bhattarai

**Date:** 2024/2/6

**Reviewed By:** Tester

**Approved By:** Tester Admin

## Test Case for Session Enrollment

**Test Case Name/ID:** (TC-003)

**Test Case Type:** Functional

**Requirement Number:** 6

**Module:** Student Dashboard

**Severity:** Medium

**Status:** Not Run

**Version:**2.0

**Release:** February 8, 2024

**Pre-condition:** Student is logged in and sessions are available for enrollment.

**Test Data:** Student credentials, available sessions.

Step no	Description	Input	Expected Result	Actual Result	Status	Comment
1	Log in to the student dashboard	Student credentials	Dashboard is accessible	Dashboard was accessible	Pass	xxx
2	Browse available sessions	Available sessions	Session's list displayed	Sessions were listed	Pass	xxx
3	Select session to enroll	Session selection	Enrollment form displayed	Enrollment form appeared	Pass	xxx
4	Fill out enrollment form	Enrollment details	Enrollment is successful	Enrollment was successfully done	Pass	xxx
5	Verify student is enrolled in the session	Check enrollment status	Student enrolled in session	Student was enrolled in the session	Pass	xxx

**Author:** Bishal Raj Bhattarai

**Date:** 2024/2/8

**Reviewed By:** Tester

**Approved By:** Tester Admin

## Test Case for Session Initiation

**Test Case Name/ID:** (TC-004)

**Test Case Type:** Functional

**Requirement Number:** 3

**Module:** Teacher Dashboard

**Severity:** Medium

**Status:** Not Run

**Version:** 2.0

**Release:** January 11, 2024

**Pre-condition:** Teacher is logged in and has assigned courses.

**Test Data:** Teacher credentials, course details.

Step no.	Description	Input	Expected Result	Actual Result	Status	Comment
1	Login to the Teacher dashboard	Teacher credentials	Dashboard is accessible	Dashboard was accessible	Pass	xxx
2	Navigate to Manage Course section		Course list is displayed	Course list was displayed	Pass	xxx
3	Select the course to initiate the session	Course Selection	Course details displayed	Course details were displayed	Pass	xxx
4	Click on “initiate session” button	Initiate button clicked	Session initiation form appears	Session initiation form appeared	Pass	xxx
5	Fill out session details	Session Details	Session is initiated	Session was successfully initiated	Pass	xxx
6	Verify session is initiated successfully	Check session status	Session status is “Active”	Session status was “Active”	Pass	xxx

**Author:** Bishal Raj Bhattarai

**Date:** 2024/1/11

**Reviewed By:** Tester

**Approved By:** Tester Admin

### Use Case Description

<b>Name and Description</b>	Manage Education Consultancy System
<b>Actors</b>	Student, Admin, Teacher
<b>Pre-condition</b>	The Educational Consultancy Record Keeping System is operational. Users are registered and have appropriate credentials to access the system.
<b>Post-condition</b>	Data related to student consultations, course details, and payments are accurately recorded and updated in the system.

### Main Success Path

<b>Actors Action</b>	<b>System Responses</b>
1. Admin Logs in with credentials	1.1 System Validates admin credentials
2. Admin access the Admin Dashboard	2.2 System loads Admin dashboard with available functionalities.
3. Admin manages student details	3.1 System displays student details for viewing or deletion.
4. Admin manages teacher details.	4.1 System allows adding, deleting, or updating teacher details.
5. Admin browses and views all session details.	5.1 System displays session details without modification capabilities.
6. Admin manages course details.	6.1 System allows adding and deleting courses, assigning teachers.
7. Admin manages payment details.	7.1 System allows viewing all payment details.

8. Admin updates own profile details	8.1 System allows updating profile information including password.
9. Teacher logs in with credentials.	9.1 System validates teacher credentials.
10. Teacher accesses the Teacher dashboard.	10.1 System loads Teacher dashboard with available functionalities.
11. Teacher initiates a session for the assigned course.	11.1 System allows creating a session for the course.
12. Teacher manages own course details.	12.1 System allows updating session details, changing enrollment status.
13. Teacher updates own profile details.	13.1 System allows updating profile information including password.
14. Student registers or logs in with credentials.	14.1 System validates student credentials or allows registration.
15. Student accesses the student dashboard.	15.1 System loads Student dashboard with available functionalities.
16. Student views enrolled sessions and exits.	16.1 System displays enrolled sessions and allows exiting from sessions.
17. Student browses courses and finds sessions.	17.1 System displays course details and available sessions.
18. Student makes payment for sessions.	18.1 System allows payment for enrolled sessions.
19. Student updates own profile details.	19.1 System allows updating profile information including password.

### Alternative Path

Actors Action	System Responses
1. Admin accesses the admin dashboard.	1.1 System displays error message for invalid credentials.
2. Admin manages course details.	2.1 System prompts to assign a teacher to the course.

3. Teacher initiates a session.	1.1 System detects a scheduling conflict with another event.
4. Teacher updates course details.	4.1 System encounters an unexpected error while retrieving course information.
5. Student tries to register for a course.	5.1 System indicates that the course is at full capacity.
6. Student tries to make a payment.	4.1 System encounters a temporary payment processing issue.

#### **Exception paths:**

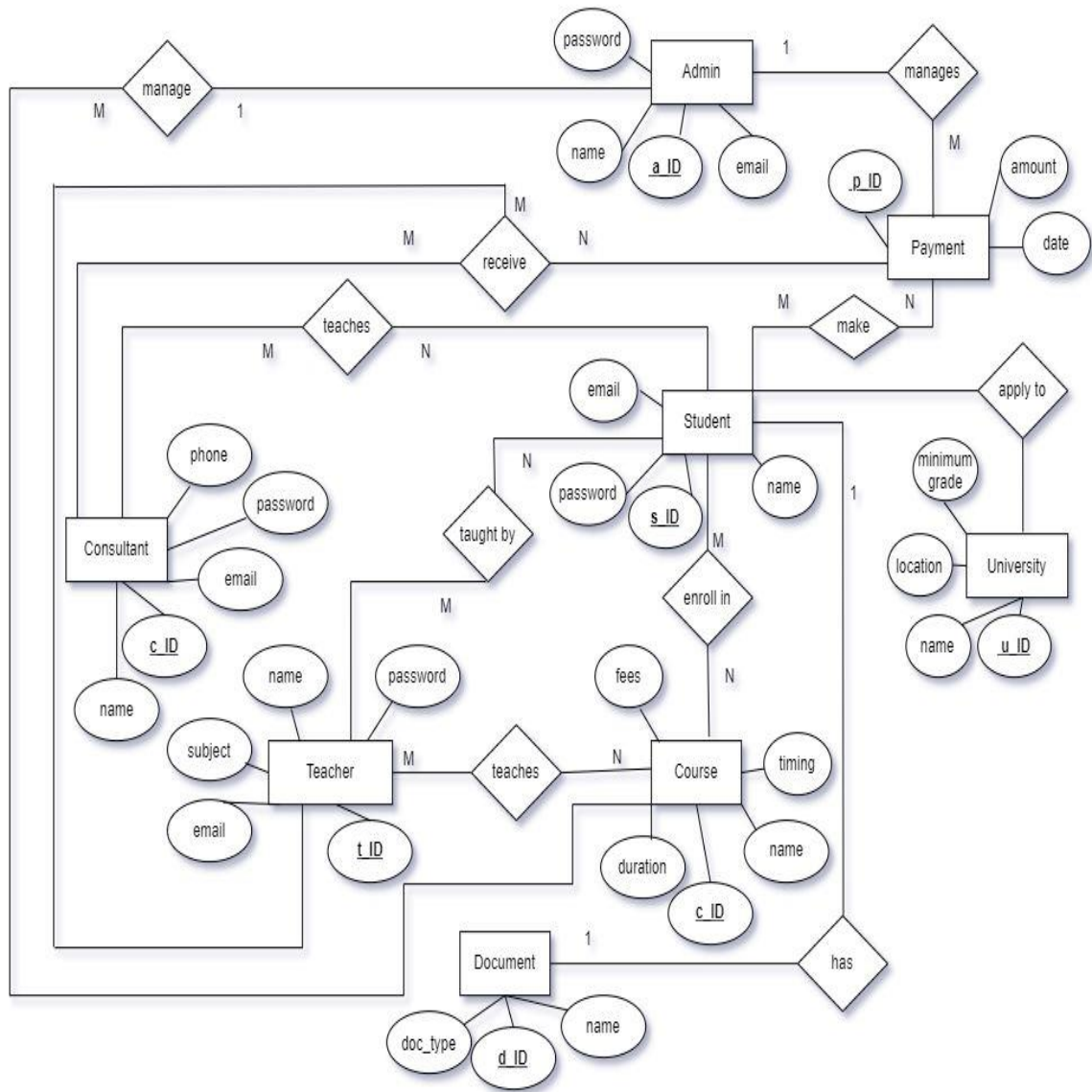
<b>Actors Action</b>	<b>System Responses</b>
1. Admin attempts to access the admin dashboard.	1.1 System encounters a server error.
2. Admin manages course details.	2.1 System encounters unexpected database issues.
3. Teacher tries to initiate a session.	3.1 System encounters unexpected technical issues.
4. Teacher updates course details.	4.1 System experiences a database connection failure.
5. Student attempts to register for a course.	5.1 System encounters unexpected errors during course registration
6. Student tries to make a payment.	6.1 System faces issues with payment gateway integration.

## Scenarios

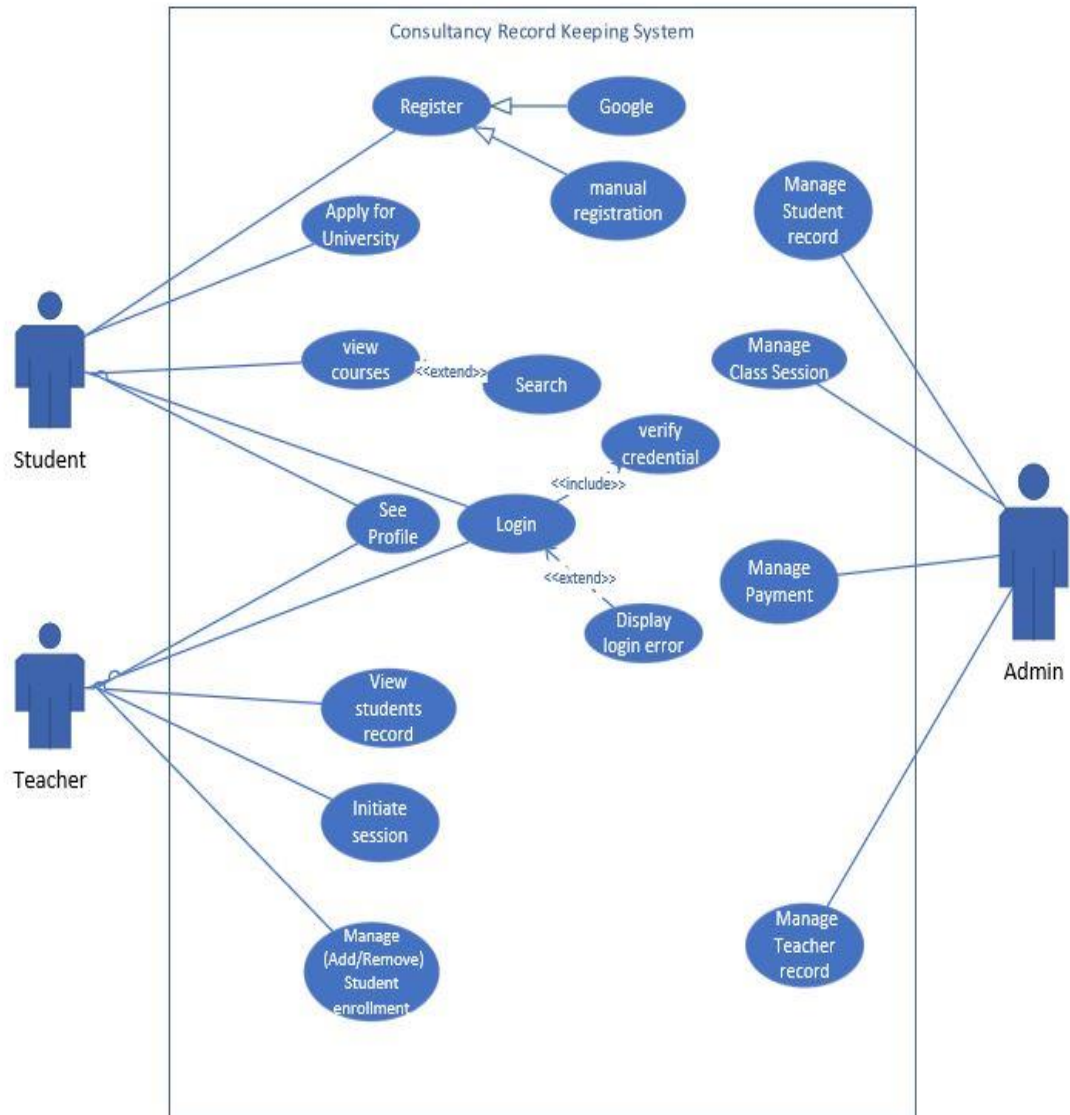
Scenario	Post-condition	Flow
Admin Adds a New Course	Course details are updated in the system	Admin logs in and accesses the admin dashboard. Admin navigates to course management. Admin adds a new course with details. System prompts to assign a teacher to the course. Admin selects a teacher and assigns them to the course. System updates course details with the assigned teacher.
Student Registers for a Course	Student is enrolled in the selected course.	Student logs in and accesses the student dashboard. Student browses available courses and selects desired course for enrollment. Student provides necessary information for registration. System confirms the enrollment and updates student's course list.
Teacher Initiates a Session	Session details are created and scheduled in the system.	Teacher logs in and accesses the Teacher dashboard. Teacher selects the course for which the session needs to be initiated. Teacher schedules the session with date, time, and duration. System confirms the creation of the session and updates the session details.



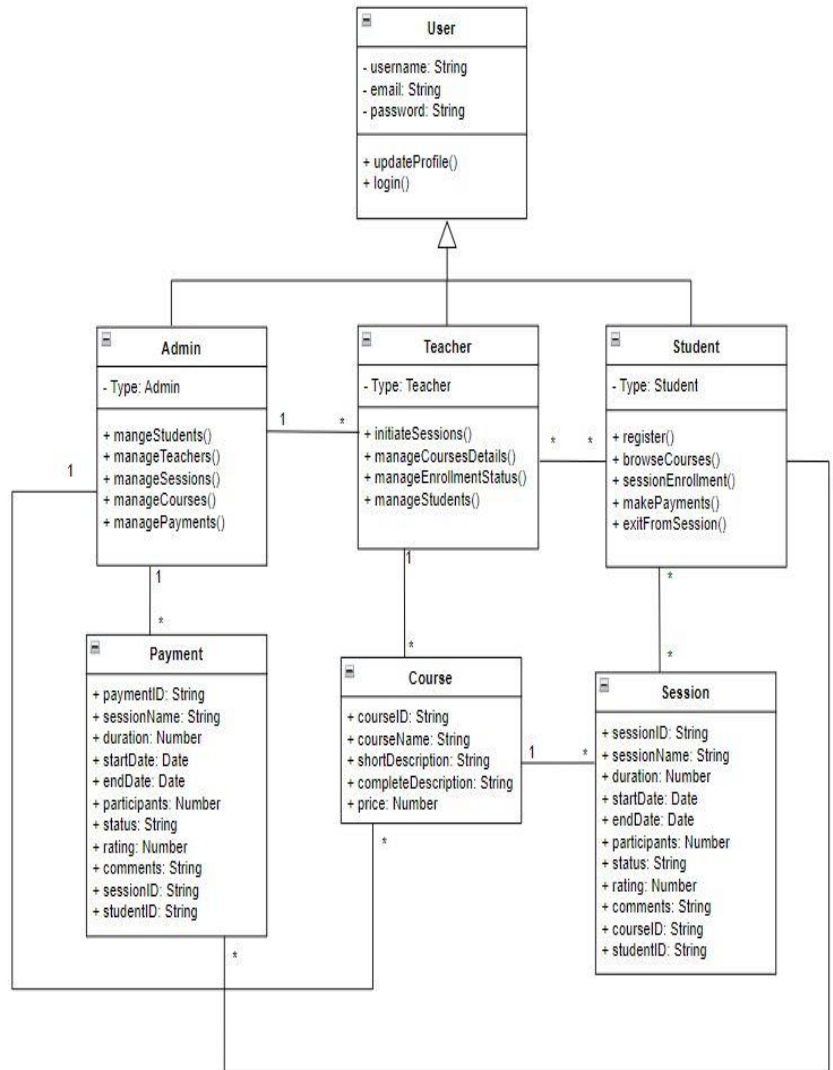
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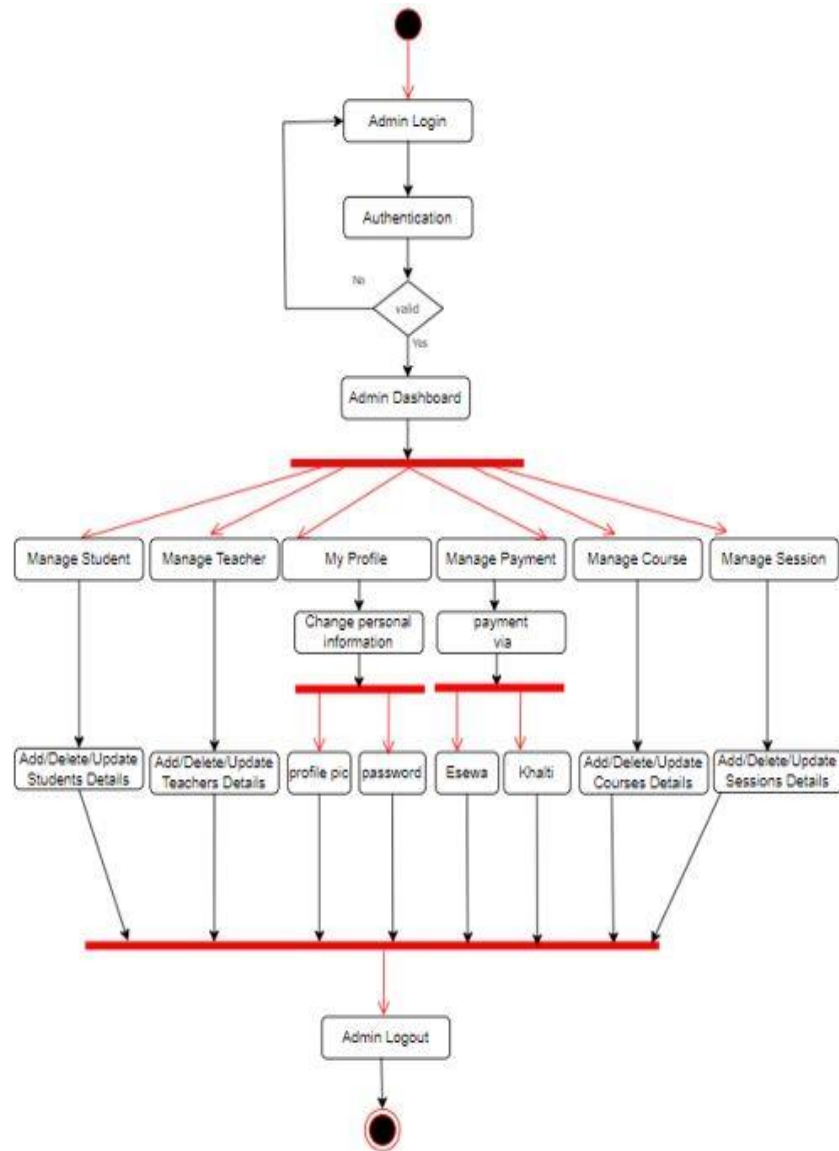
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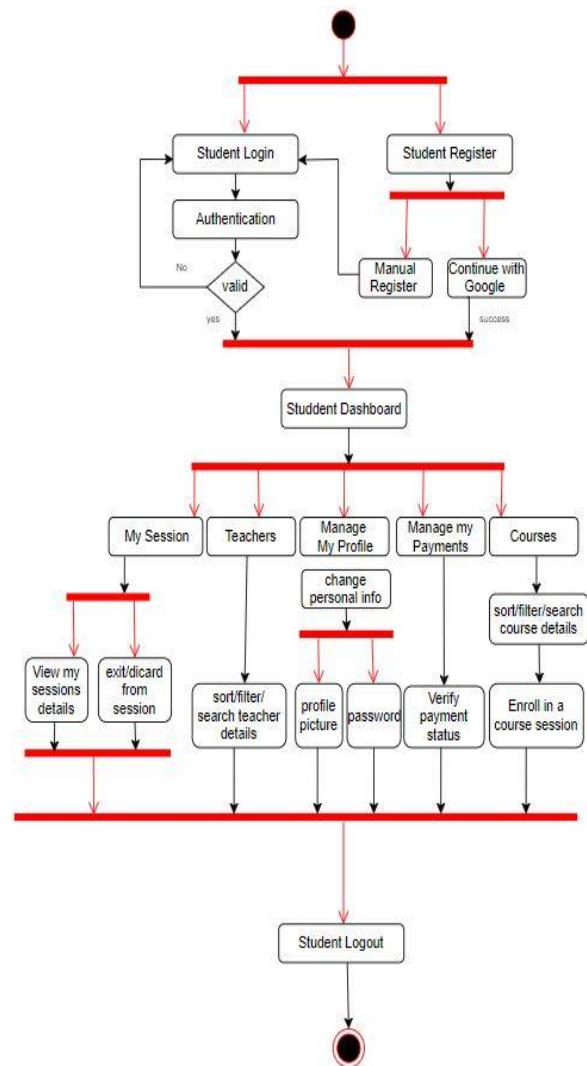
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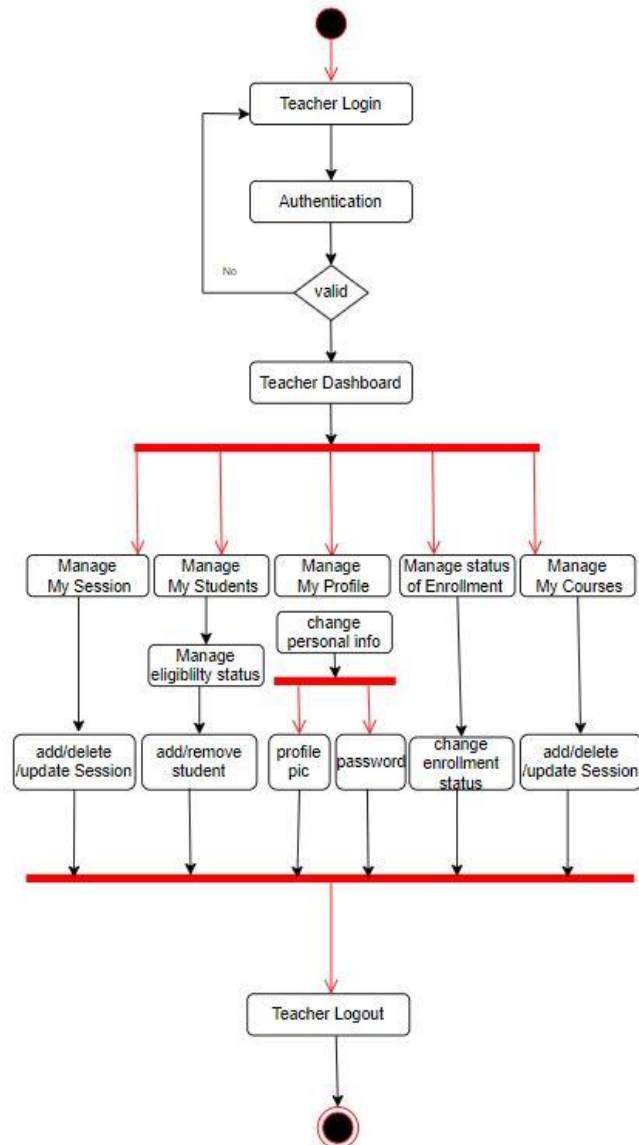
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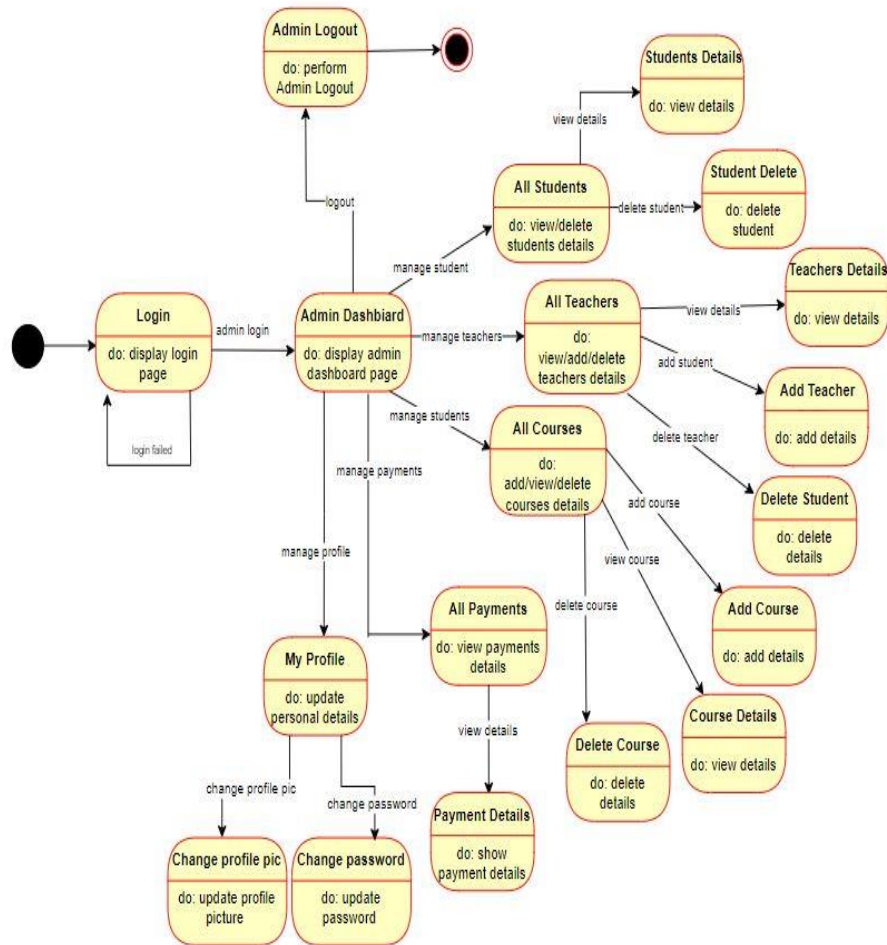
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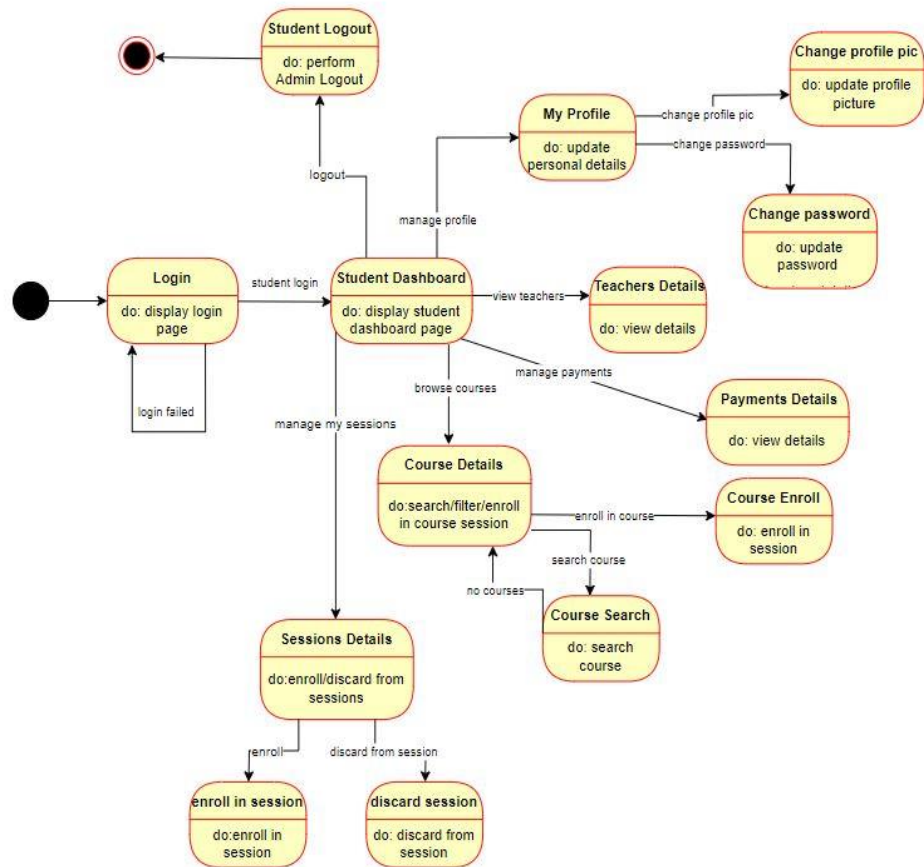
## OUTPUT:



## OUTPUT:

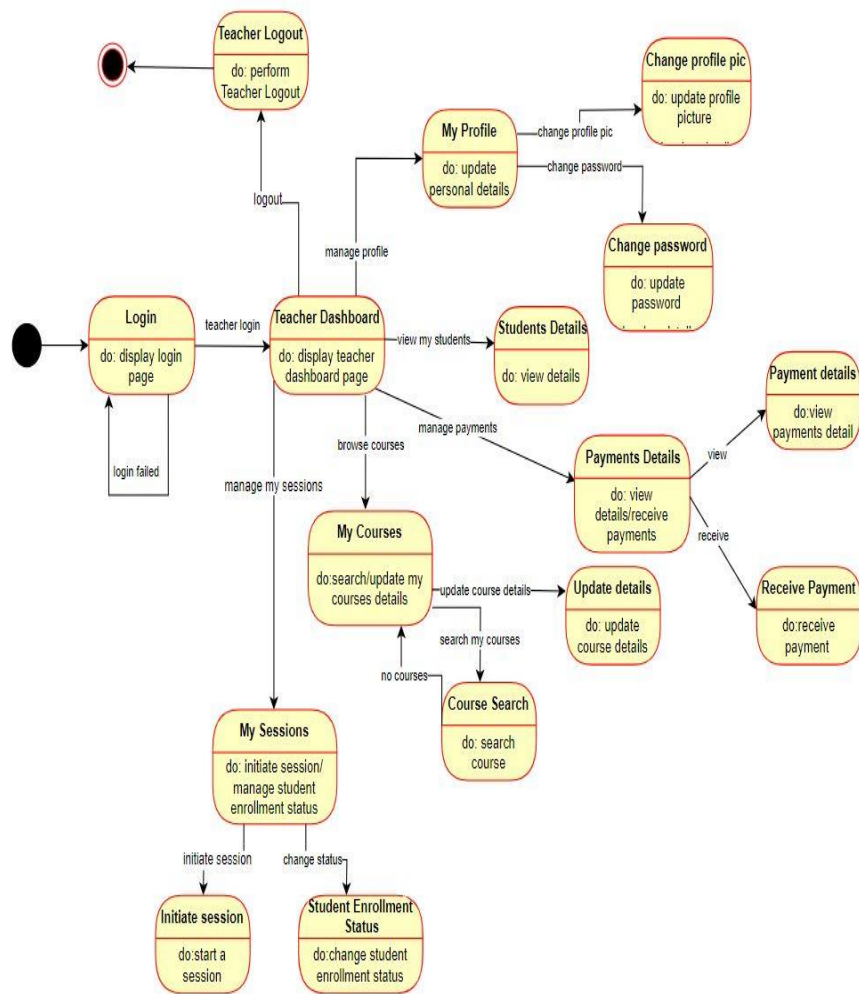


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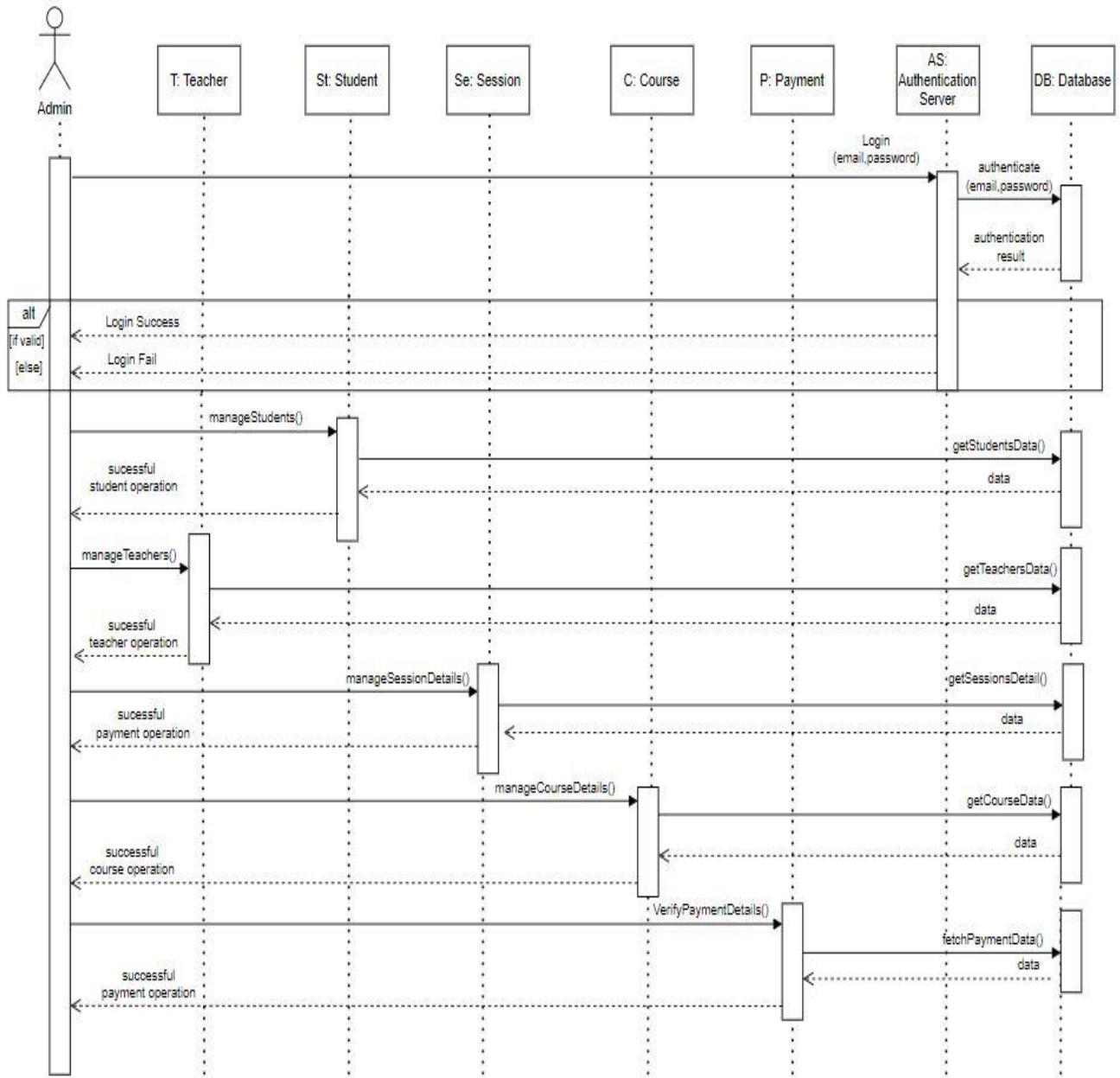




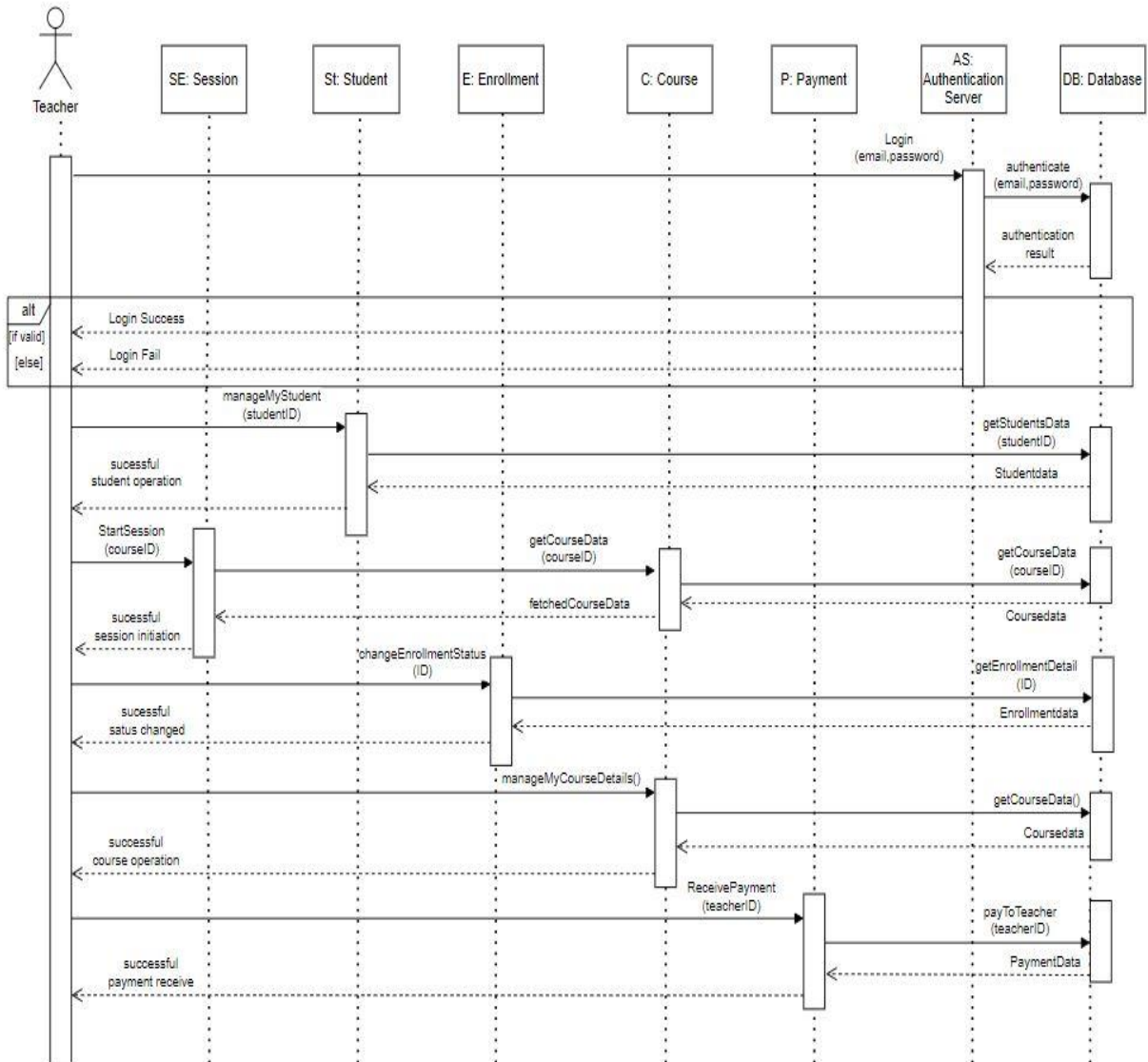
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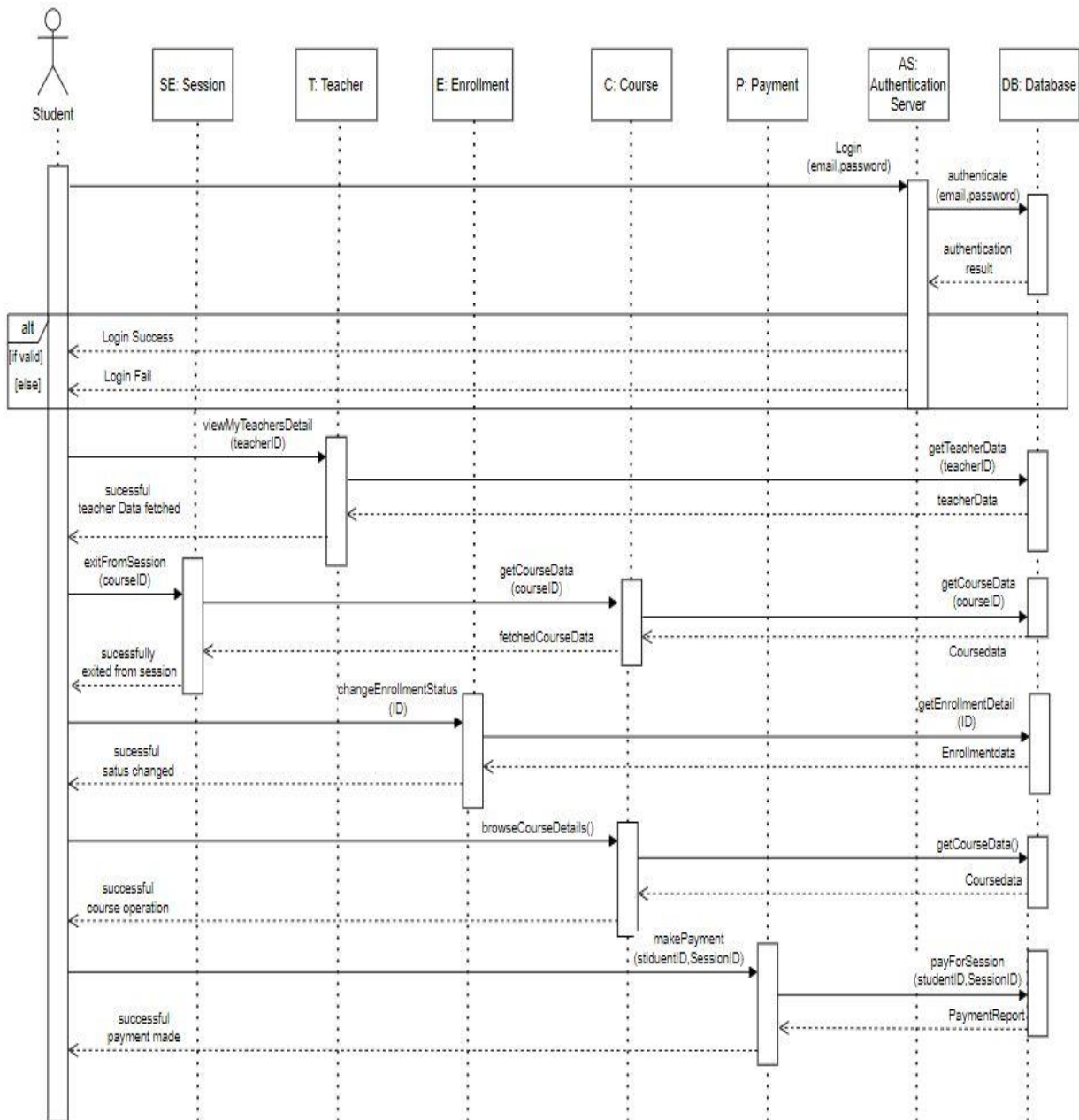
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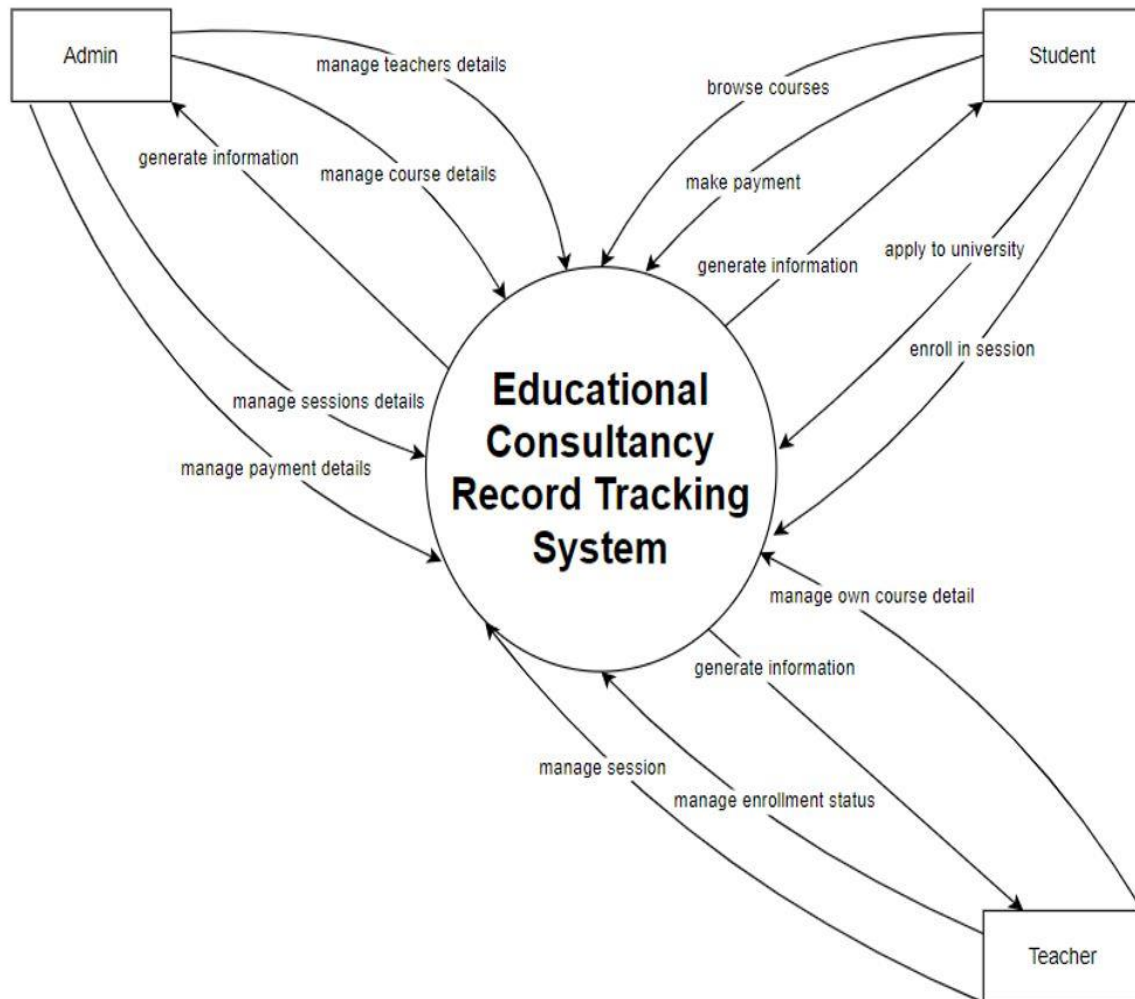
## OUTPUT:



## OUTPUT:

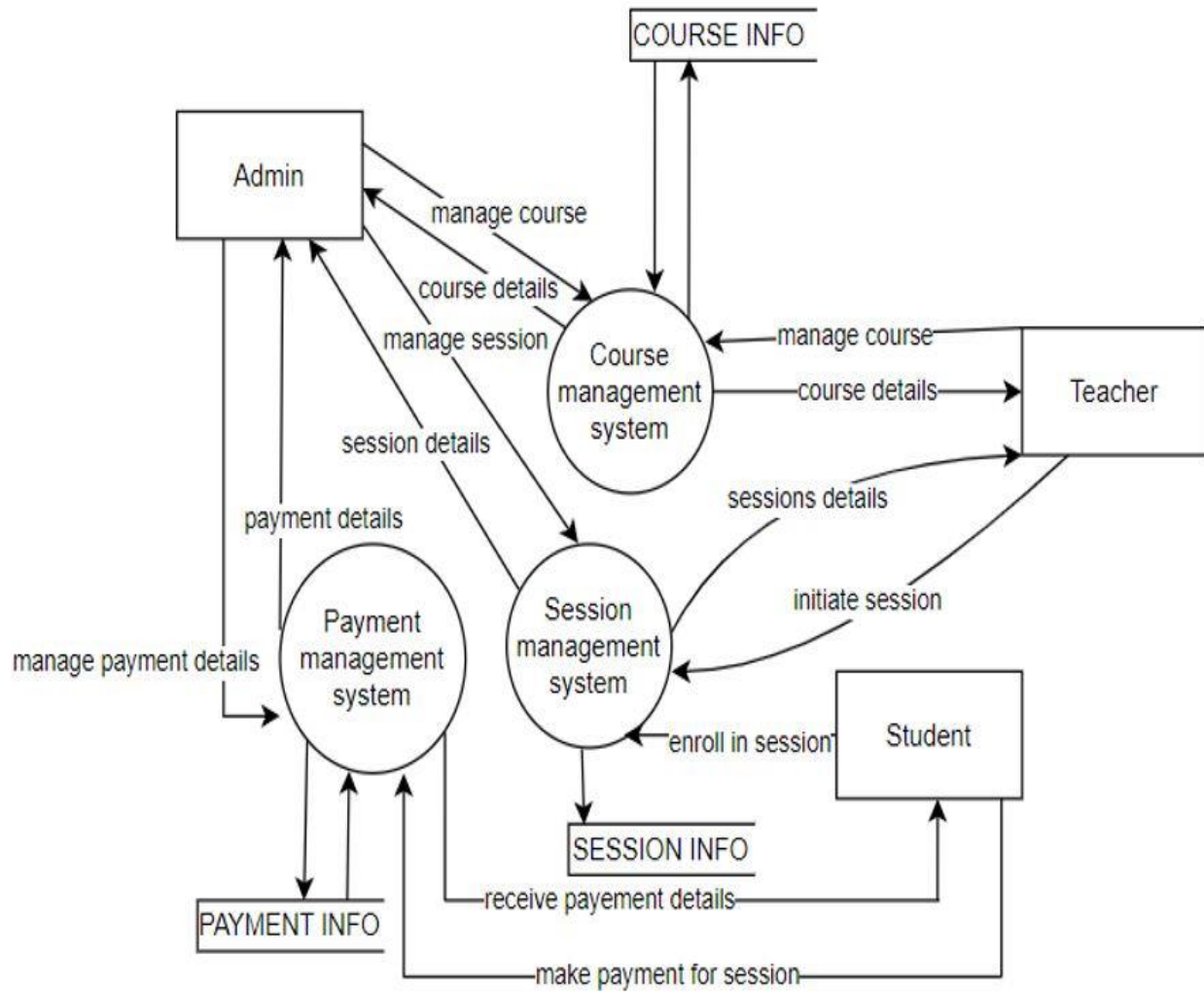


## OUTPUT:



Level 0 DFD

## OUTPUT:



Level 1 DFD



**Lab Report on**

**Software Engineering**

**(Educational Consultancy Record Keeping System)**

**Submitted By:**

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