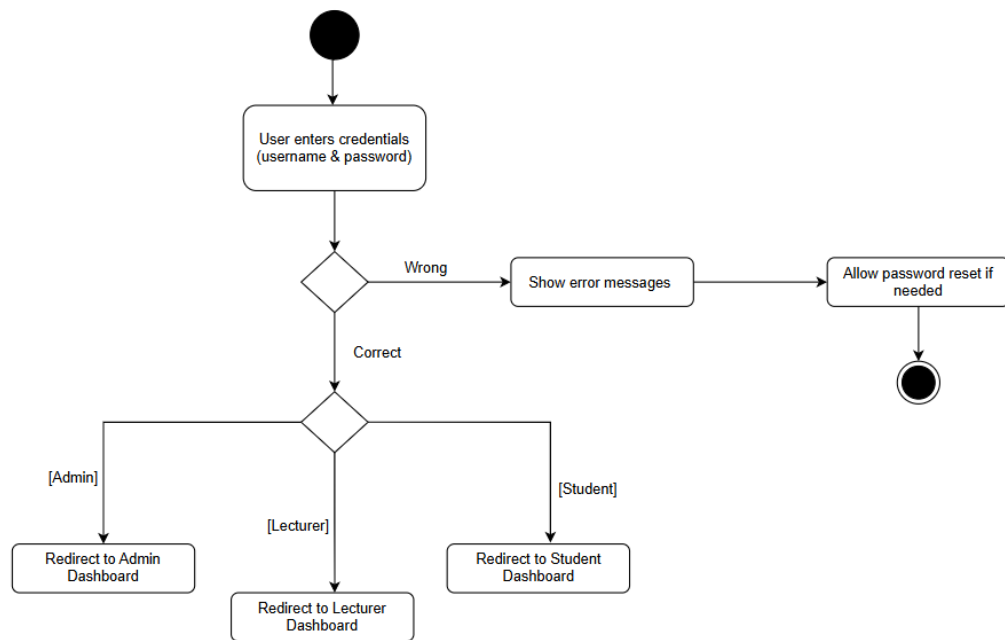


1. User Login & Role-Based Access

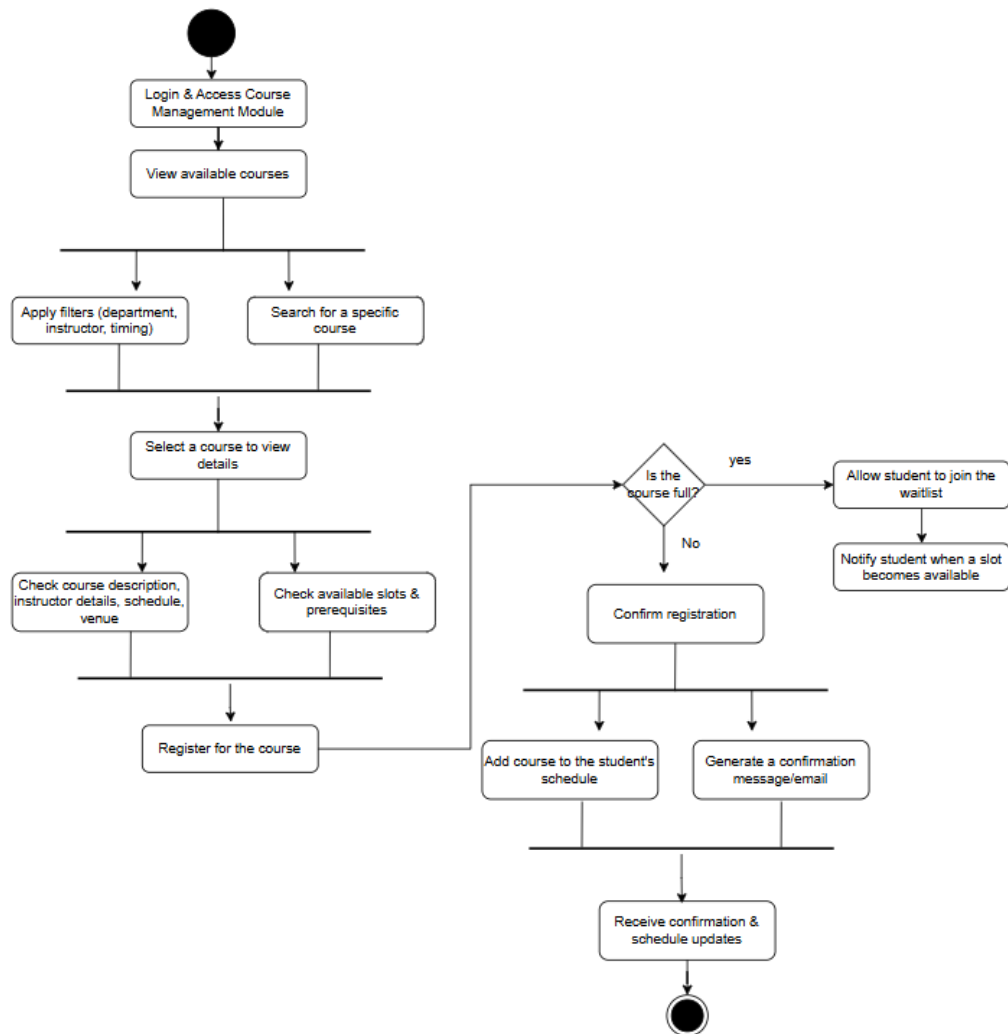
- Users (Admin, Lecturer, Student) log in.
- The system verifies credentials and grants access based on roles.



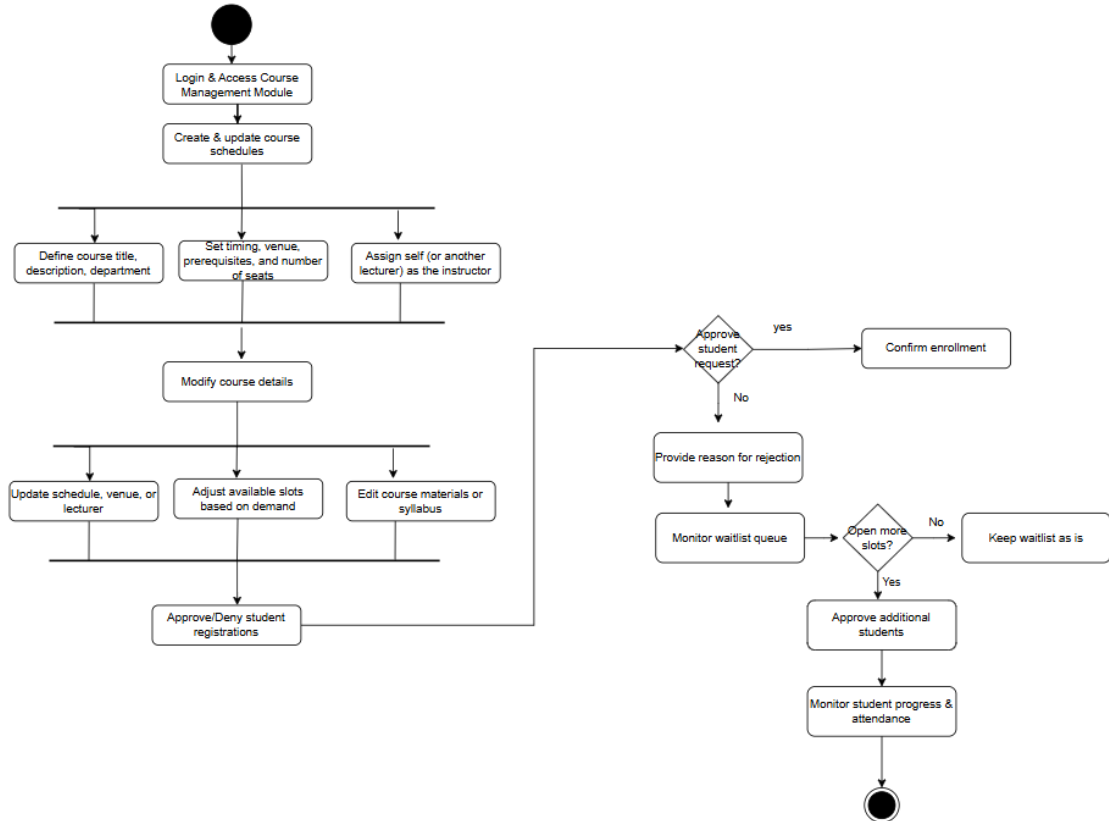
2. Course Management & Scheduling

- Students view available courses and register.
- Lecturers manage course schedules and availability.
- The system updates course details.

STUDENT



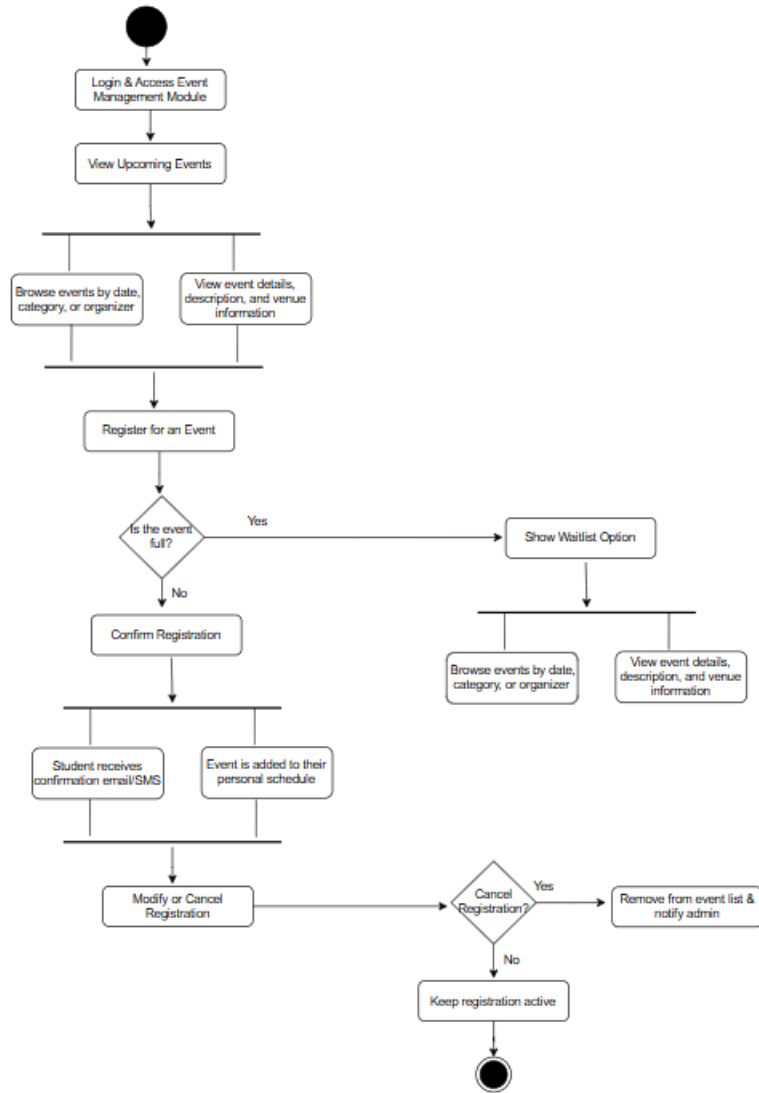
LECTURER



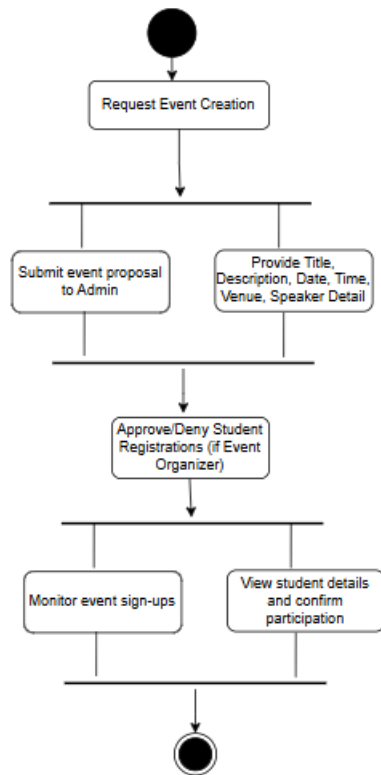
3. Event Management

- Admins create & announce events.
- Students register for events.
- The system tracks participation.

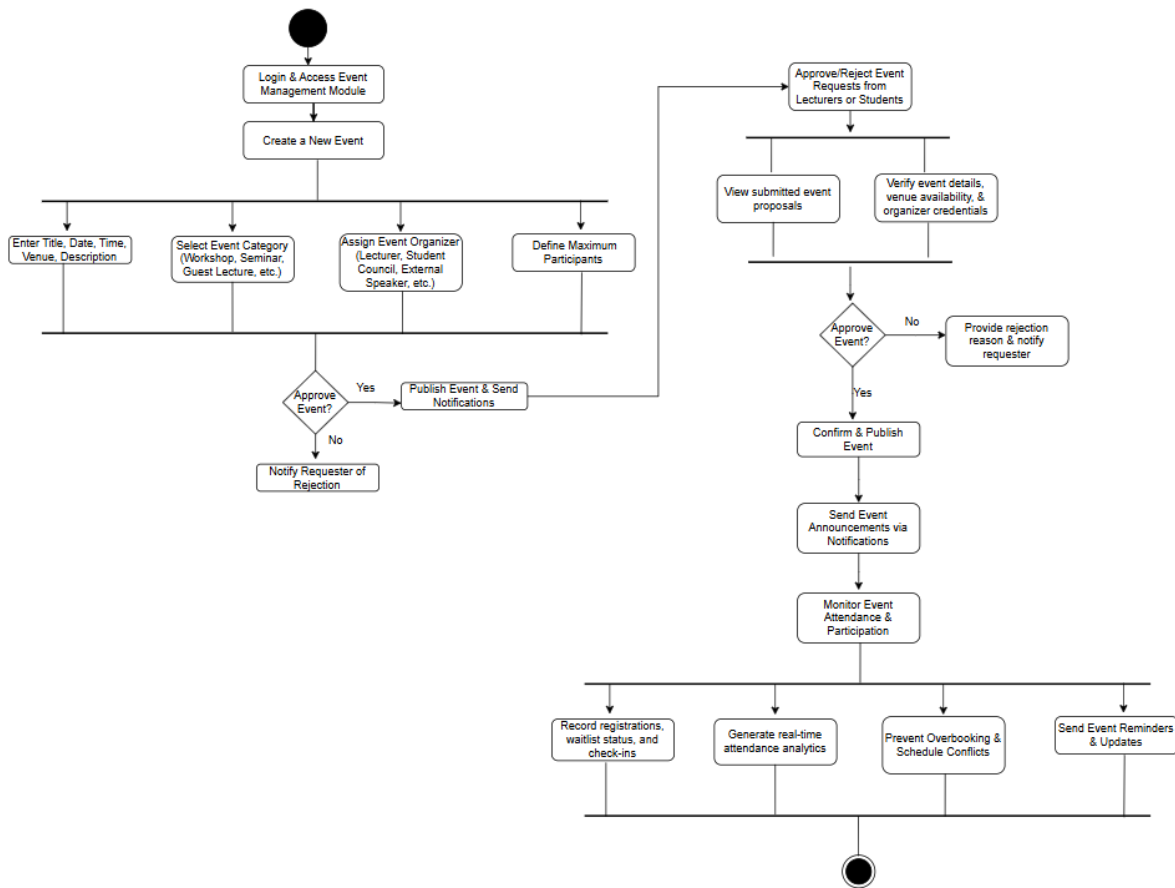
STUDENT



LECTURER



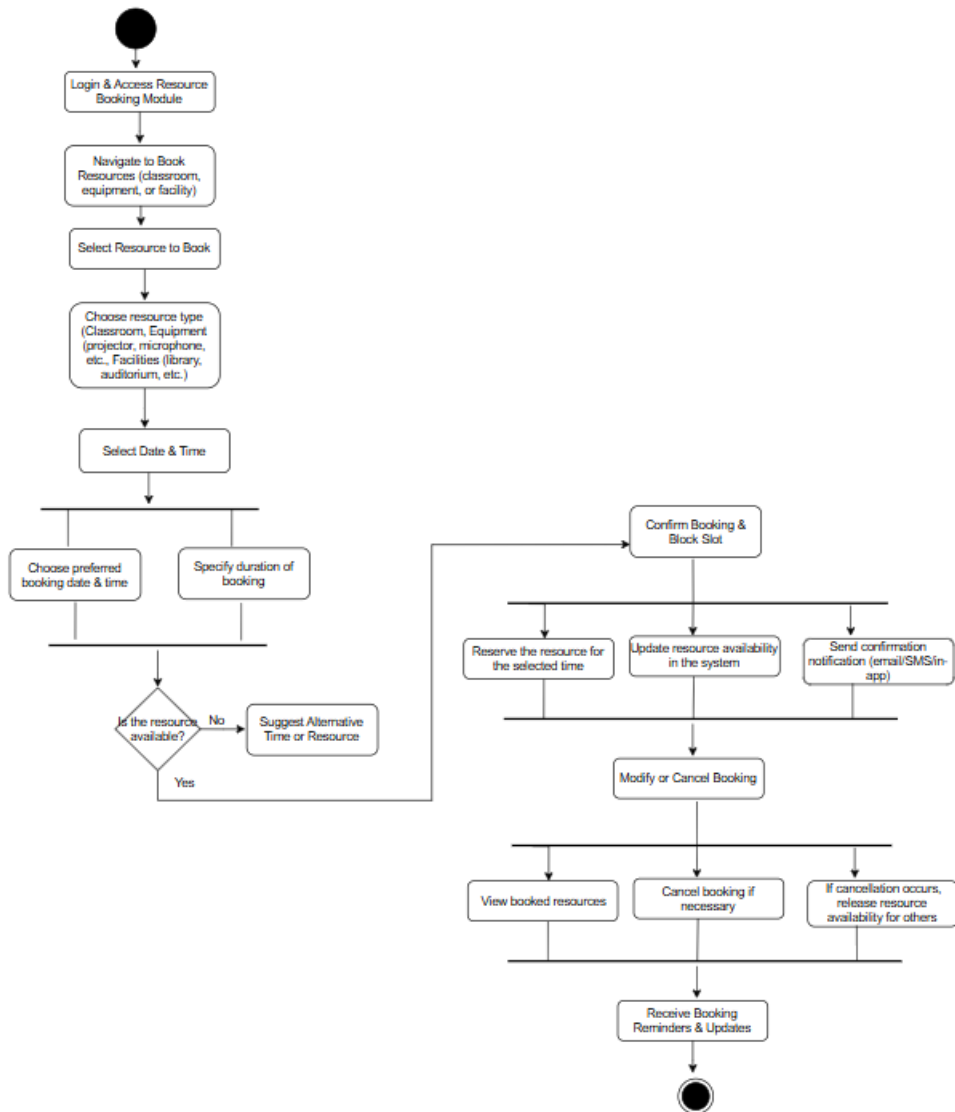
ADMIN



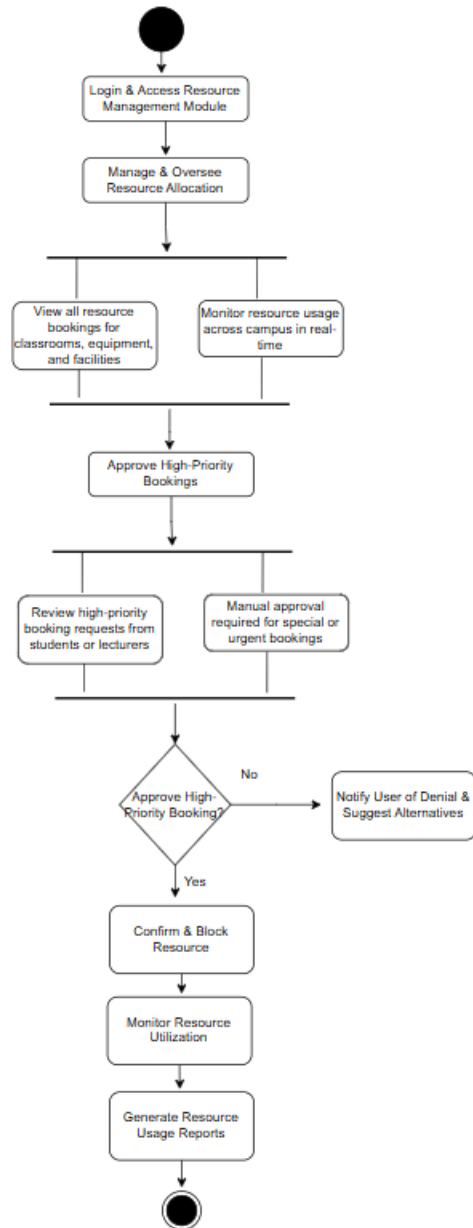
4. Resource Allocation & Booking

- Users book classrooms, equipment, and facilities.
- The system checks availability and prevents scheduling conflicts.

STUDENTS AND LECTURERS



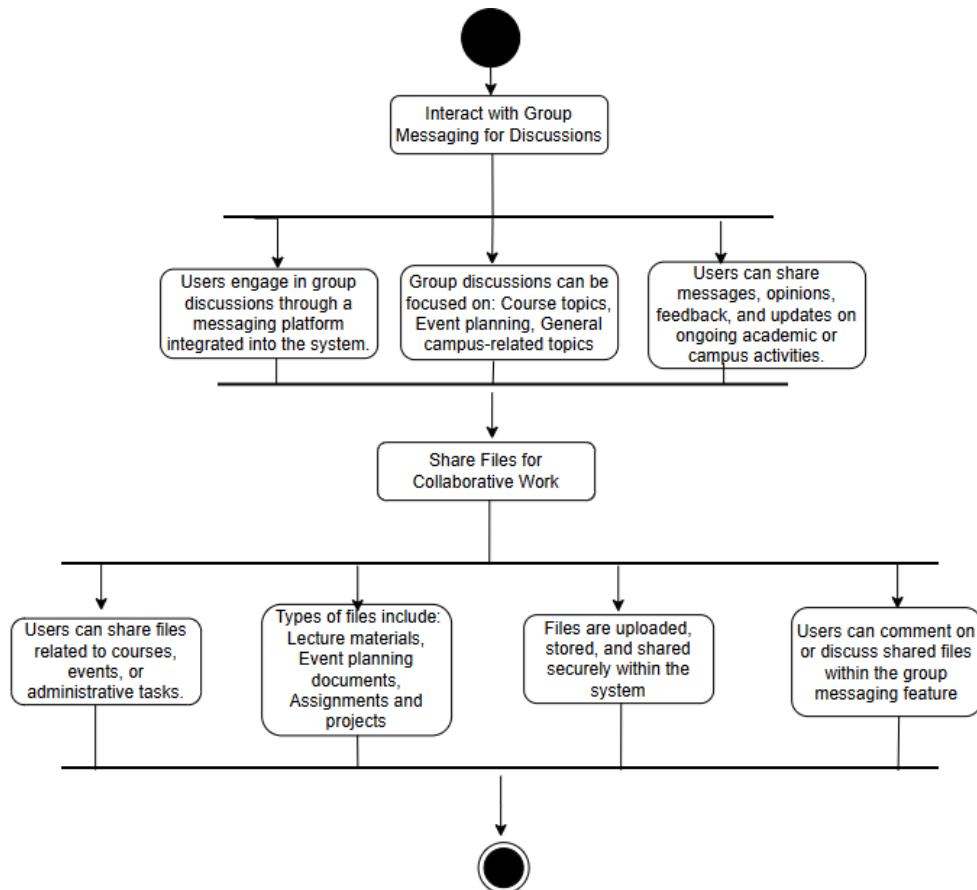
ADMIN



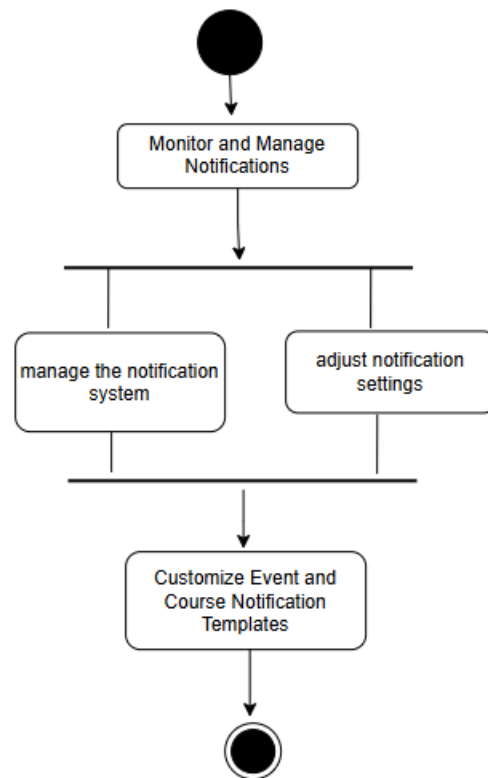
5. Communication & Notifications

- The system sends notifications via email/SMS/in-app alerts.
- Users engage in group messaging, file sharing, and discussions.

STUDENTS AND LECTURERS

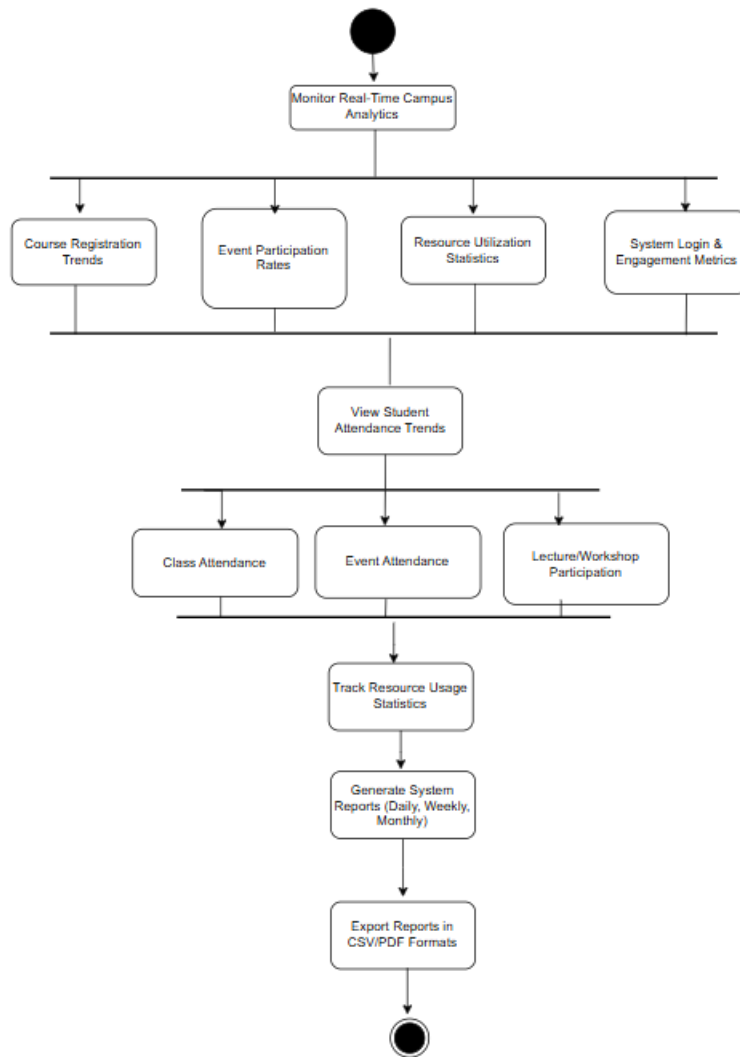


ADMIN

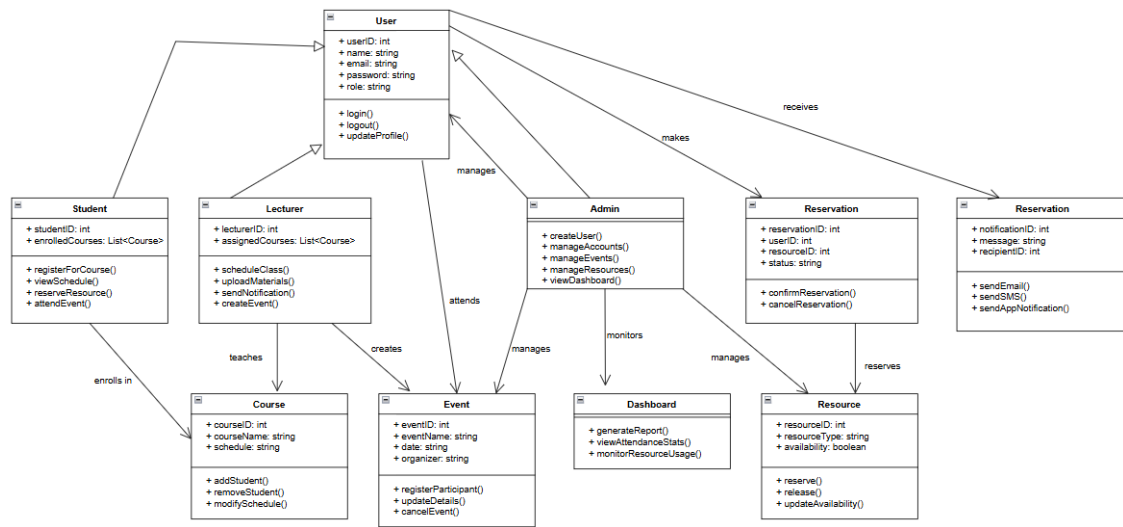


6. Admin Dashboard & Reporting

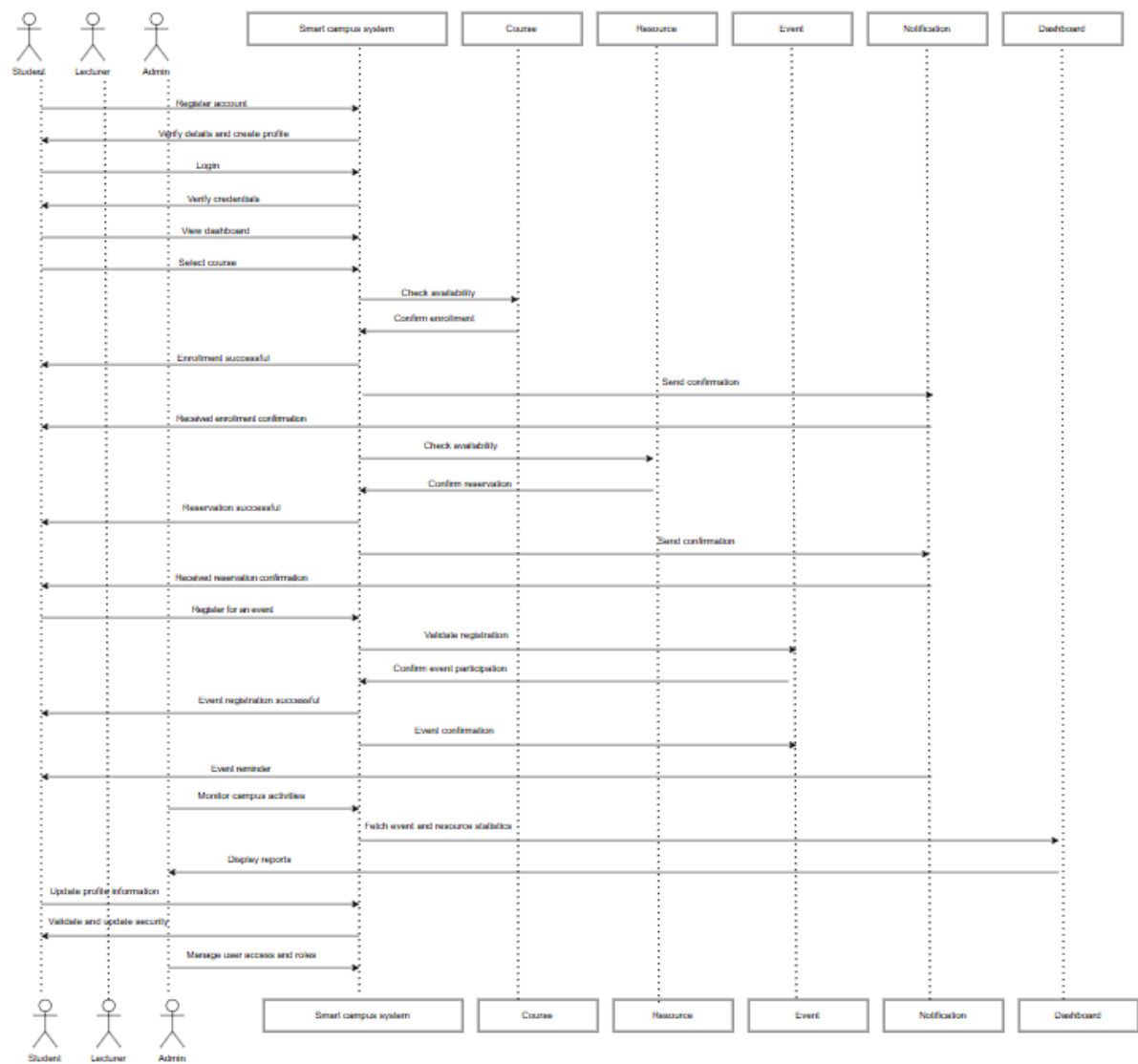
- Admins track resource usage, event participation, and system analytics.



CLASS DIAGRAM



SEQUENCE DIAGRAM



ER DIAGRAM

