

1. Business Requirements

ID	Requirement	Description
BR1	Personalized Learning Dashboard	Show tasks, deadlines, and progress specific to each student.
BR2	Task and Deadline Management	Help students manage their academic tasks with reminders and calendars.
BR3	Motivation and Engagement Tools	Use gamification and motivational elements to keep students engaged.
BR4	Smart Study Recommendations	Suggest study materials and time Management strategies
BR5	Peer Interaction and Support	Enable chat, forums, and study groups.
BR6	Teacher and Mentor Access	Provide students with access to teacher or m mentor feedback and help.
BR7	Progress Reports and Analytics	Offer analytics and reports for students and educators to track performance.

2. Functional Requirements

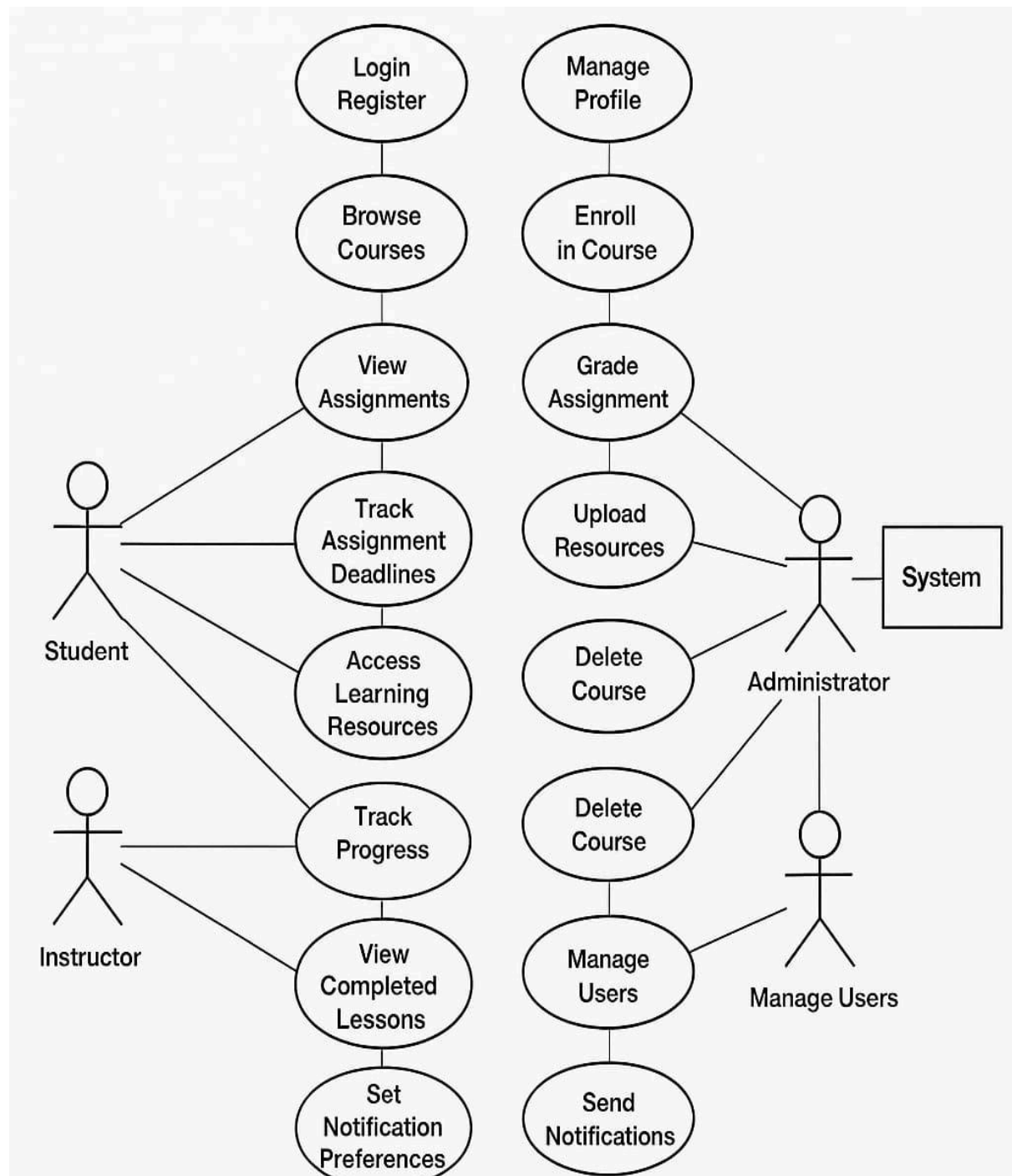
ID	Requirement	Description
FR1	User Authentication	Allow students/teachers to register, log in, and manage accounts securely.
FR2	Dashboard View	Display personalized tasks, deadlines, and progress data.
FR3	Assignment Management	CRUD operations on tasks and assignments, calendar view.
FR4	Reminders and Notifications	Send reminders via app notifications or emails for upcoming deadlines.
FR5	Study Resource Recommendation	Suggest materials based on activity and preferences.
FR6	Chat and Discussion Forums	Support messaging and discussion boards.
FR7	Gamification Engine	Reward badges, points, or streaks for completing tasks.
FR8	Progress Tracking	Visual analytics (graphs/charts) for time spent, progress, and task completion.
FR9	Exportable Reports	Generate PDF or spreadsheet progress reports.

3. Non-Functional Requirements

ID	Requirement	Description
NFR1	Usability	UI/UX should be intuitive for students with minimal training.
NFR2	Scalability	System should handle thousands of concurrent users.
NFR3	Performance	Load dashboards and content within 2 seconds.
NFR4	Availability	System should be available 99.9% of the time.

USE CASE DIAGRAM

- NFR5 Security Ensure secure logins, encryption, and compliance with data protection laws.
- NFR6 Maintainability Easily update able and modular codebase.
- NFR7 Portability Support access via web, tablets, and smartphones.
- NFR8 Accessibility Follow accessibility standards (e.g., WCAG 2.1) for inclusive design.



USE CASE DIAGRAM