

SEMESTER END PROJECT EXAMINATION

STUDENT ATTENDANCE AND PERFORMANCE TRACKER

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CLASS - II AI&DS - 'B'

59. Student Attendance and Performance Tracker Objective To create an online platform for managing student attendance, academic performance, and faculty feedback in a transparent and data-driven manner.

Core Use Cases

- Login & Authentication – Secure login for students, faculty, and admins.
- Attendance Management – Faculty can mark and update daily attendance.
- Performance Tracking – Stores student grades and evaluation results.
- Feedback System – Enables faculty to provide qualitative feedback.
- Report Generation – Generates attendance summaries and grade charts.

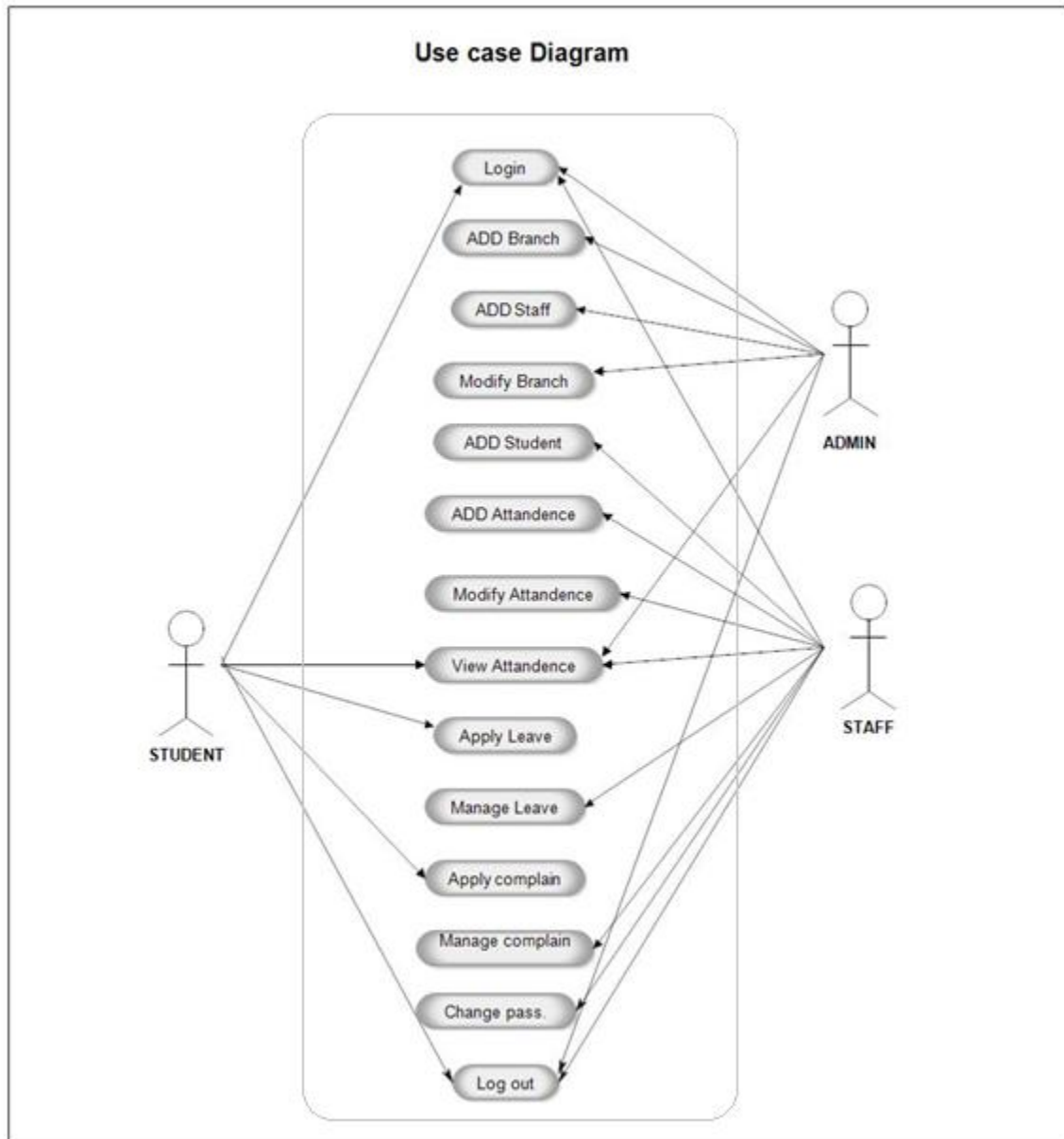
System Modules

- User Management Module – Controls authentication and role access.
- Attendance Module – Handles attendance entry and reporting.
- Performance Module – Stores and analyzes academic performance.
- Feedback Module – Records teacher comments and evaluations.
- Report Module – Generates detailed student progress reports.

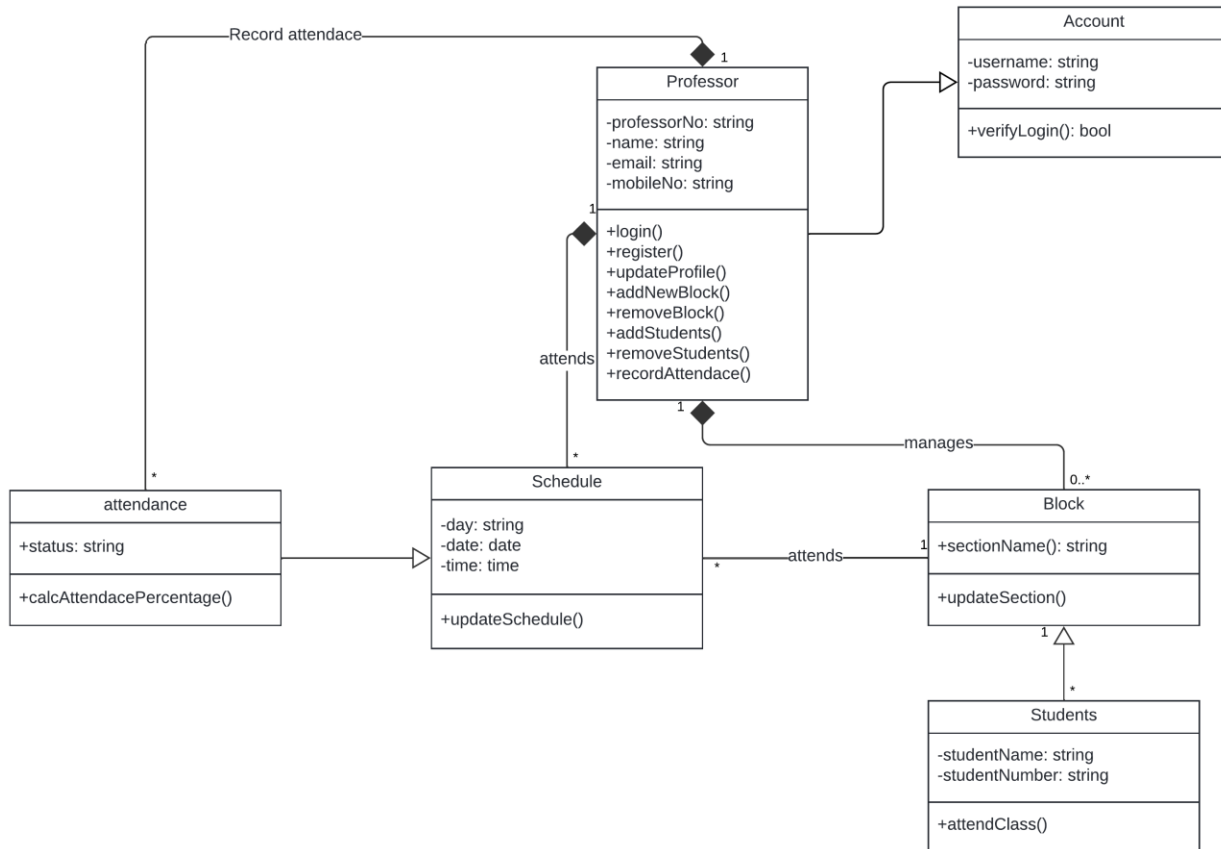
Expected Design Components

- Create UML diagrams for attendance and performance workflows.
- Provide an ER diagram based on student–faculty relationships.
- Design database tables for users, attendance, grades, feedback, and reports.
- Define RESTful APIs for student and faculty data management.
- Implement role-based authentication for access control.
- Include input validation and error handling.

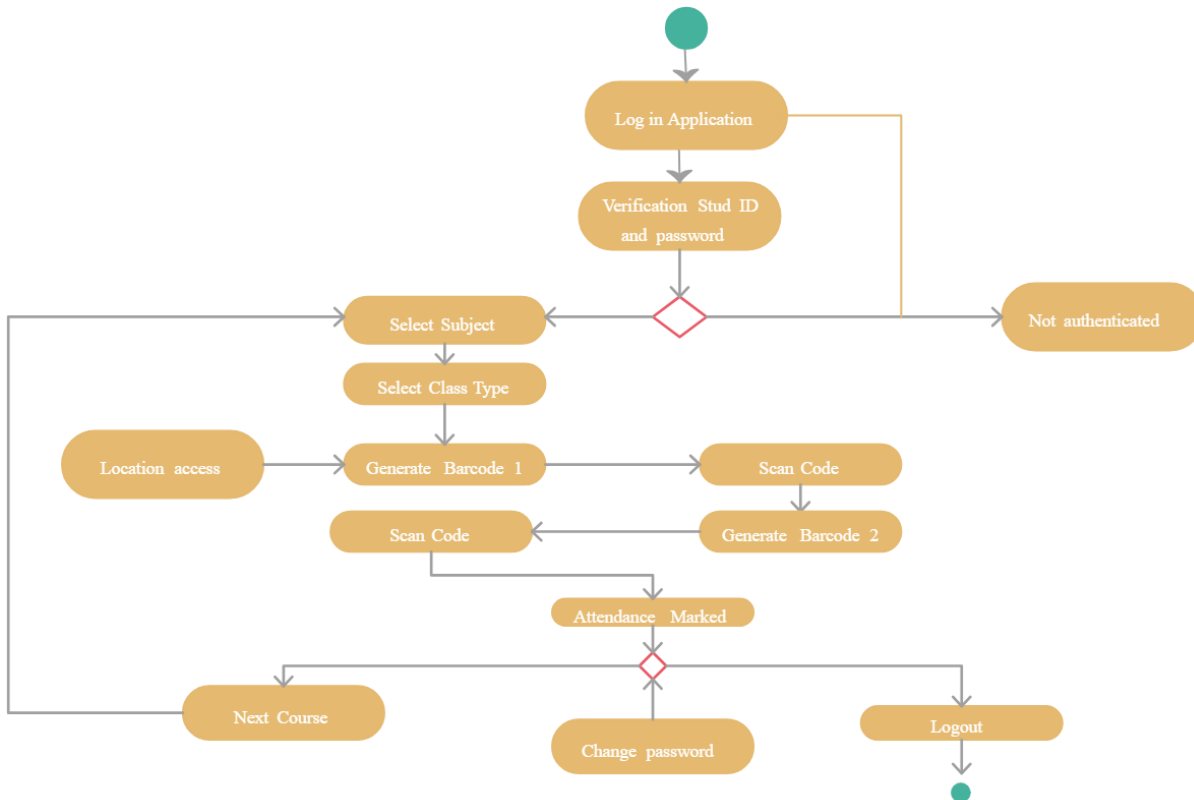
1)USE CASE DIAGRAM



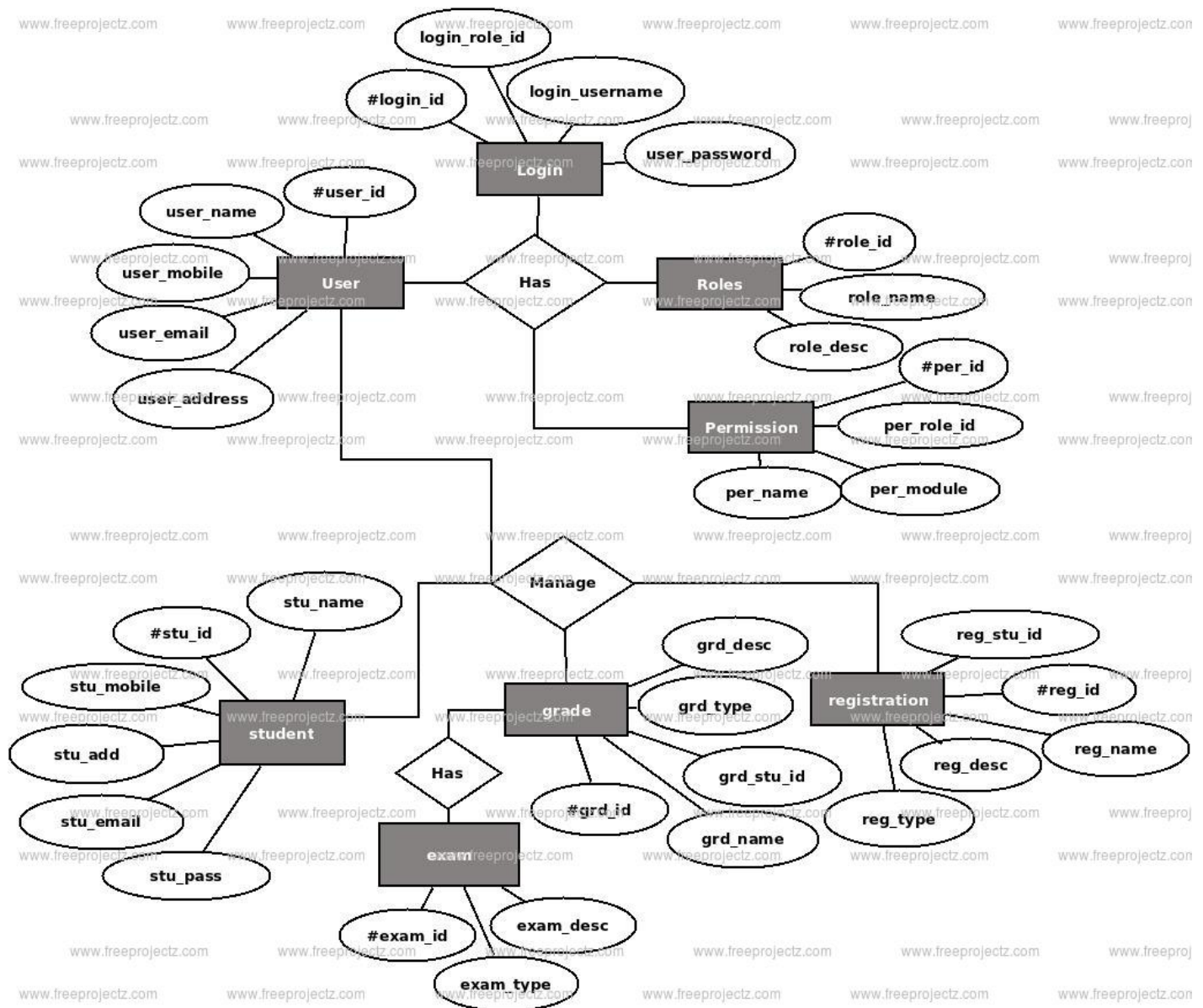
2)CLASS DIAGRAM



3)INTERACTION DIAGRAM



4)ER DIAGRAM



ER Diagram For Student Evolution System

5)DB SCHEMA

