

Web Data Management - CSE 5335

Group 14

Ravi Rajpurohit - 1002079916

Aashiq Sayyed - 1002082459

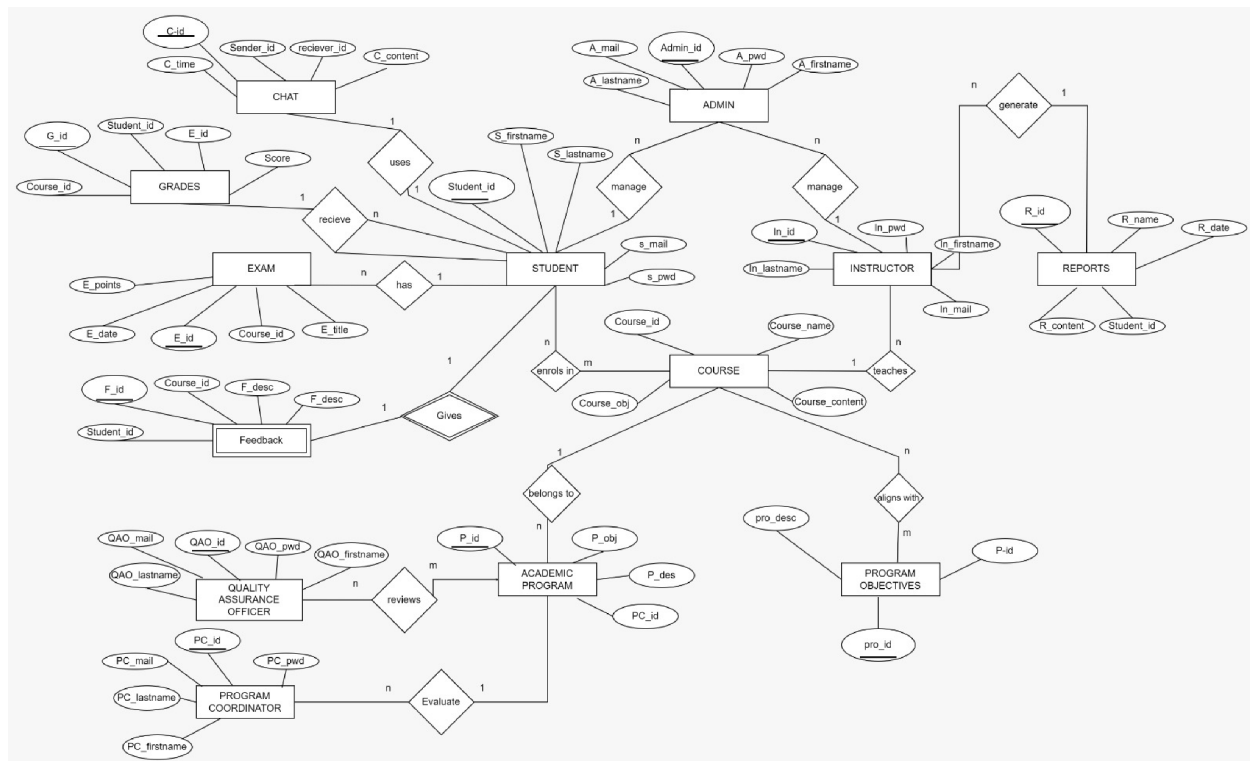
Rutva Thaker - 1002121470

Anirudh Sai Khande Rao - 1002075887

Sai Ruthwik Reddi - 1002063535

ER DIAGRAM

Following is a Entity-Relationship diagram showing how entities, such as people, objects, or concepts, will relate to each other within the project.



Relationships

1. User-Program (Many-to-Many)

- A user (Student) can be enrolled in multiple programs.
- A program can have multiple enrolled students.

2. User-Course (Many-to-Many)

- A user (Instructor) can teach multiple courses.
- A course can have multiple instructors.

3. Program-ProgramObjective (One-to-Many)

- A program can have multiple program objectives.
- A program objective belongs to one program.

4. Course-Exam (One-to-Many)

- A course can have multiple exams.
- An exam belongs to one course.

5. Course-Assessment (One-to-Many)

- A course can have multiple assessments.
- An assessment belongs to one course.

6. User-PerformanceResult (Many-to-Many)

- A user (Student) can have multiple performance results.
- A performance result is associated with one user (Student).
- A course can have multiple performance results.
- A performance result is associated with one course.
- An exam can have multiple performance results.
- A performance result is associated with one exam.
- An assessment can have multiple performance results.
- A performance result is associated with one assessment.

7. User-Message (Many-to-Many)

- A user (Student, Instructor, etc.) can send and receive multiple messages.
- A message has one sender and one or more receivers.