# Instructions

1. **Project scope (short paragraph)**
   Write a story that defines the purpose and scope of the database. Describe the main entities (e.g., students, lecturers, etc).
2. **Entities and EER diagram**
   List all entities with brief descriptions of their roles and attributes (e.g., Student, Course, Class, Lecturer, etc).
3. **Table design**
   State how many tables are required after mapping the EER to a relational schema.

## Project scope

Yoobee College of Creative Innovation is an institution that provides a series of courses for undergraduate and postgraduate students, both national and international. For that, it needs a robust system to manage its courses(Subjects), classes, lectures, and students.

## Entities and EER diagram

List all entities with brief descriptions of their roles and attributes (e.g., Student, Course, Class, Lecturer, etc).

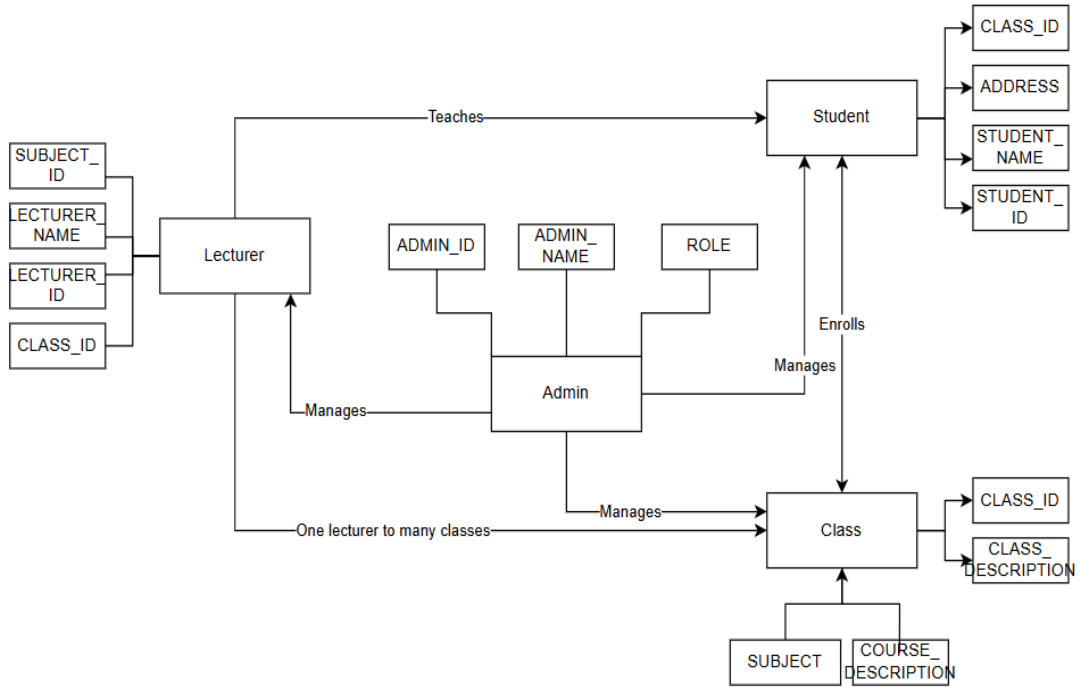


**Table design**
State how many tables are required after mapping the EER to a relational schema.

Lecturer: LECTURER_ID / Foreign ID: CLASS_ID; SUBJECTS_ID

Subject: SUBJECT_ID / Foreign ID: CLASS_ID

Student - STUDENT_ID / Foreign ID: CLASS_ID

Class: CLASS_ID

**Week 4 - Activity 1: Design use case diagram**

Step 1: Write the number of actors and use cases for your college project, defining the scope of the project in the same way as the activity completed in Week 3 for your college.

Share your GitHub Link with your scenario from Week 3.

**Actors:**

Lecturer

Student

Admin

**Use Cases**

Lecturer (Teaches, Takes classes)

Lecturer insert, update and view student grades

Lecturer view and update classes

Student enroll classes

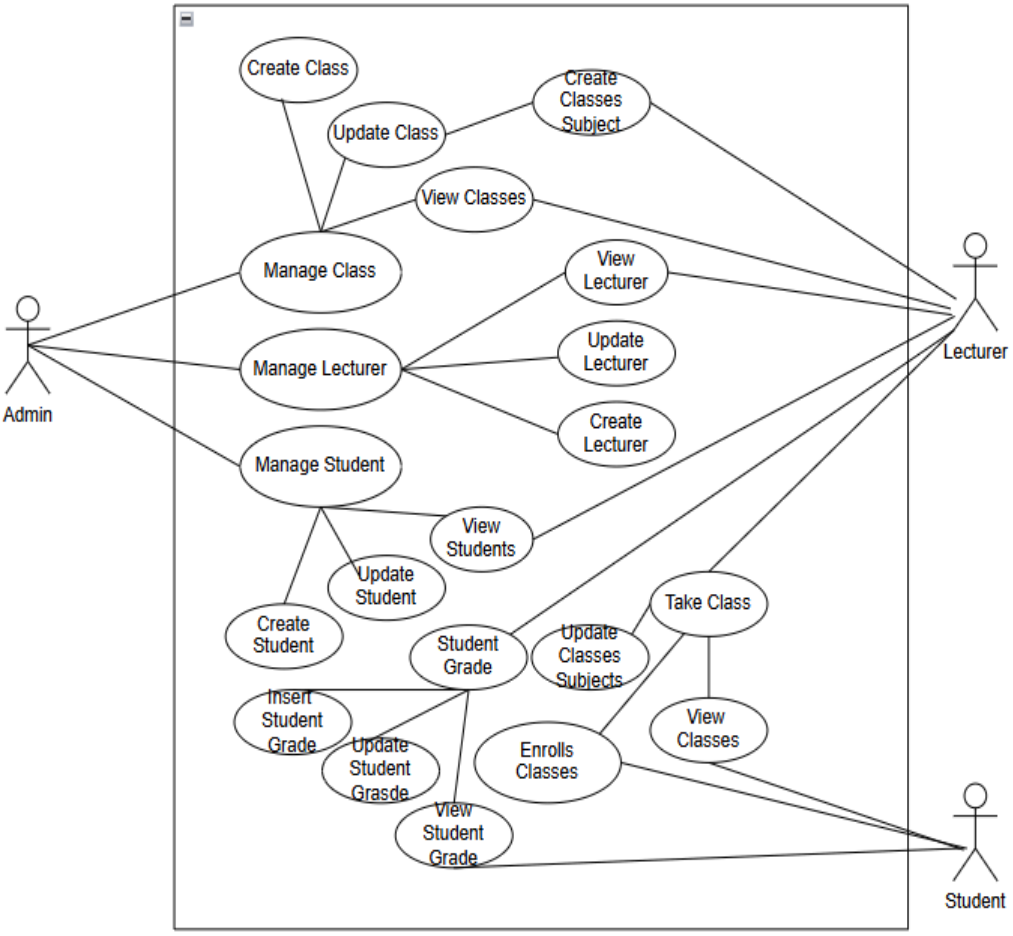
Student has their classes subjects taking classes

Students view class

Admin manage class (create, update, view classes and subjects)

Admin manage lecturer (create, update, view lecturers)

Admin Student lecturer (create, update, view Students)


Create Class
Update Class
Create Classes Subject
View Classes
Manage Class
View Lecturer
Manage Lecturer
Update Lecturer
Create Lecturer
Manage Student
View Students
Update Student
Create Student
Student Grade
Update Classes Subjects
Take Class
Insert Student Grade
Update Student Grasde
View Student Grade
Enrolls Classes
View Classes
Admin
Lecturer
Student