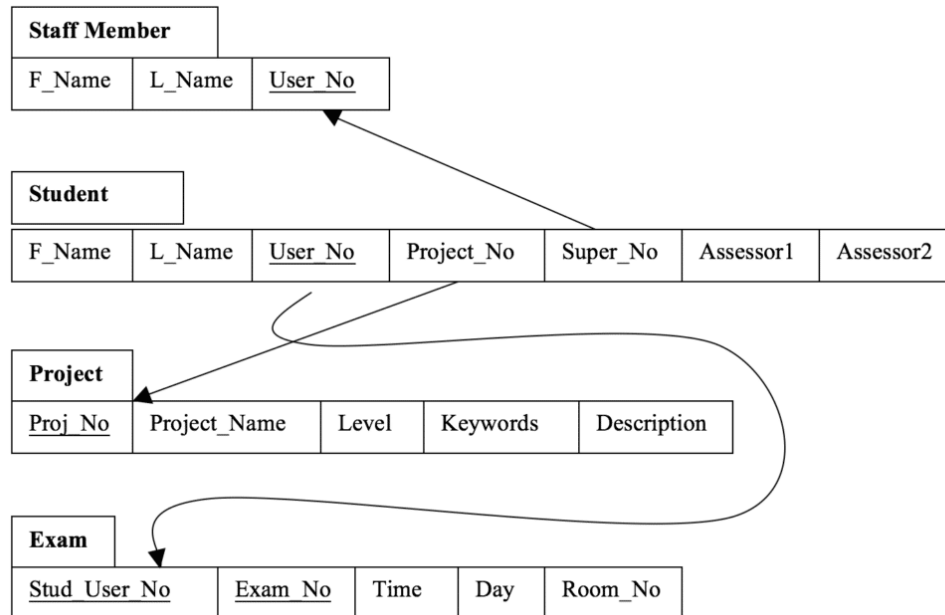| Course:	Database Systems	Course Code:	CS-2005
Program:	BSSE	Semester:	Spring 2024
Submission Date:	20-Feb-24	Total Marks:	
Exam:	Assignment 01	Roll No.	

Instruction/Notes:

1. *Assignment should be submitted in class or in my office before the deadline. Softcopy should be submitted on classroom.*
2. *Late submission will cause you to* <mark>lose 10% per day</mark>*. After three days of deadline no submissions will be entertained.*
3. *Copied assignments will get* <mark>straight ZERO</mark>*.*
4. *There will be* <mark>a quiz based on assignment</mark> *in the very next class of the submission date.*
5. *Maximum usage of concepts discussed in class will get more credit.*

Question 1: **Identity and enlist all the Keys from the below ER. Also specify the DDL (Create, Drop, Alter) to entertain all the constraints applied.**
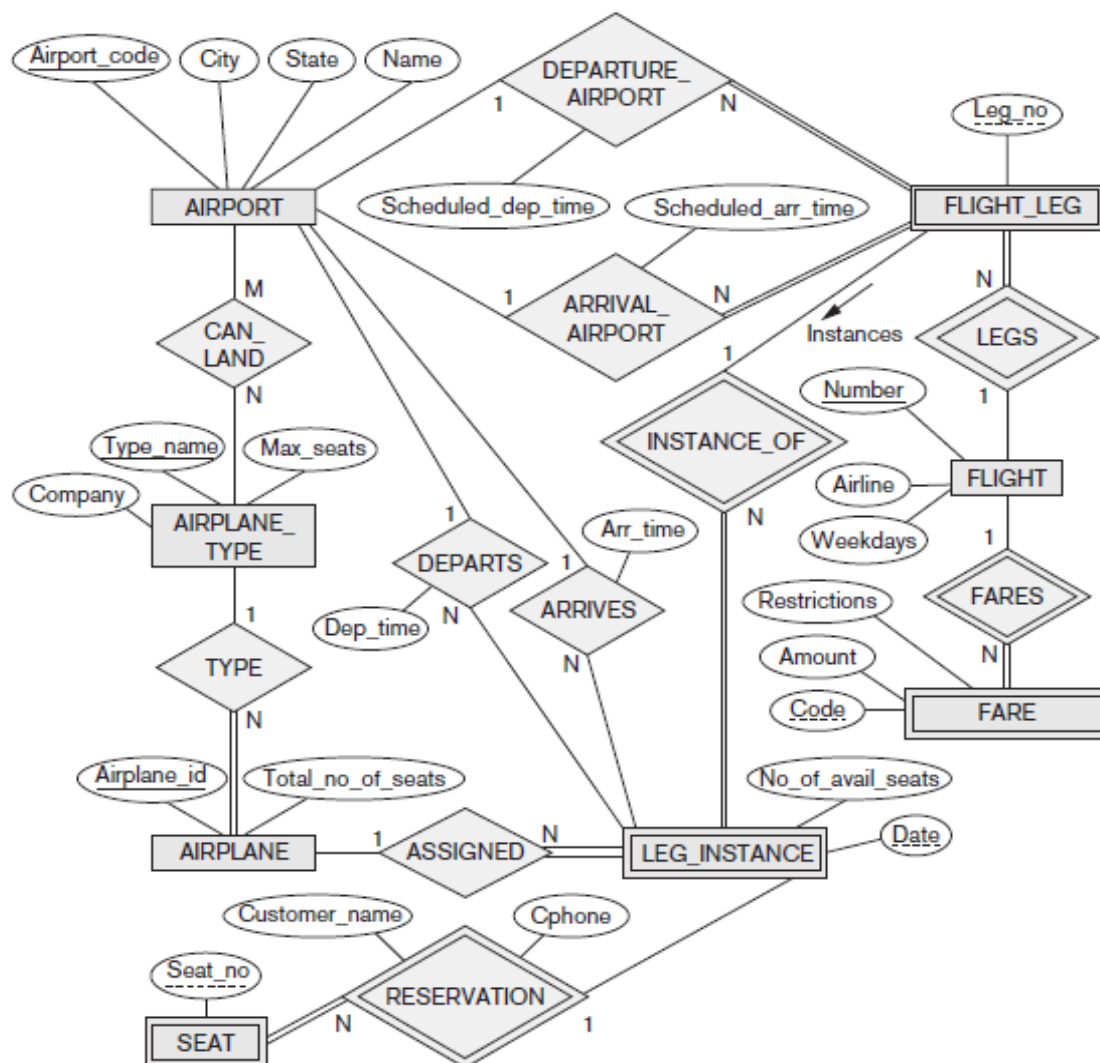
Question 2: **Consider the following relations for a database that keeps track of exams and projects. Create database using the following relational schema. Please define primary and foreign keys as well. Also, take sensible assumption if need (for constraints and data type).**

Staff Member

F_Name	L_Name	User_No

Student

F_Name	L_Name	User_No	Project_No	Super_No	Assessor1	Assessor2

Project

Proj_No	Project_Name	Level	Keywords	Description

Exam

Stud_User_No	Exam_No	Time	Day	Room_No

1. **Populate sensible data in the following database. Using Insert statement to insert 3 rows per table.**
2. **Delete the records of all students who are working on project no 10.**
3. **Change the level of projects from 4 to 5 which have 'Android' in their keywords.**
4. **Write query for the following problems**
    1. Find exam time and date of student user no: 1010 and Room_no = 005
    2. Show all Projects names of their names.
    3. Show fname of staff member with L_Name starting with A and ending with A.
    4. Show name of student who has not been assigned any supervisor as yet.
    5. Show user no who are sitting between room 005 and 009 during exam.
    6. Show students name with its supervisor name and project number.