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Course: CS-434

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Project 1

The University Academic System Application will have data about students, advisors, instructors,

courses, sections, grades, and different majors. I would try to find real data to insert to my database.

The database will be used to answers following questions:

1) How many students enrolled in a course specific section taught by professor X are

undergraduate?

2) How many students get an A in a specific course section taught by professor Y in Fall 2016?

3) What are the average ratings for professor Z for a specific course in Spring 2015?

4) How many students are assigned to advisor X that are from CS and undergrads?

Although, there are many other questions we can ask to this database. The database will have two types

of employee: advisors and instructors. Instructors can teach many course sections. A section can be only

taught by one professor. Each course can have many sections. Students can enroll in many courses.

Students cannot enroll in many sections for a same course. Students have course grade for each

enrolled course. Students can choose many majors. A student is assigned to one advisor. An advisor can

have many students. Students can rate a professor for a specific course section.

Constraints:

Students must have type (Undergrad or Grad). Students cannot enroll in multiple sections of a same

course. Exactly one advisor is assigned to each student. Students cannot enroll in a course that have

time conflicts.