

Fall 2007 CS 157A
Midterm 3 Question #1

Not a Presentation

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“OK, question #1...”

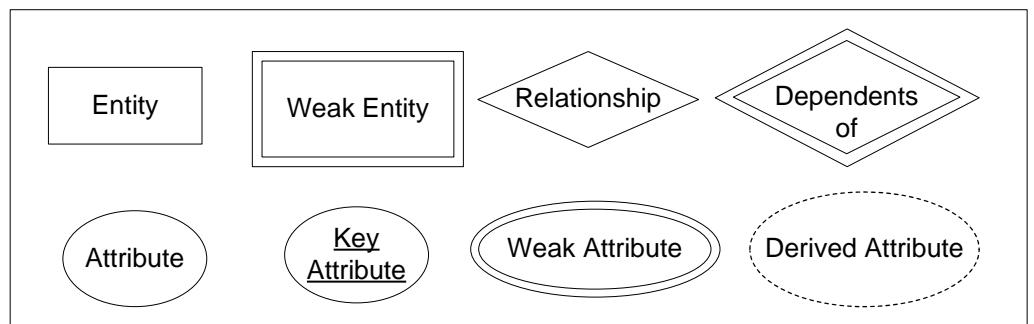
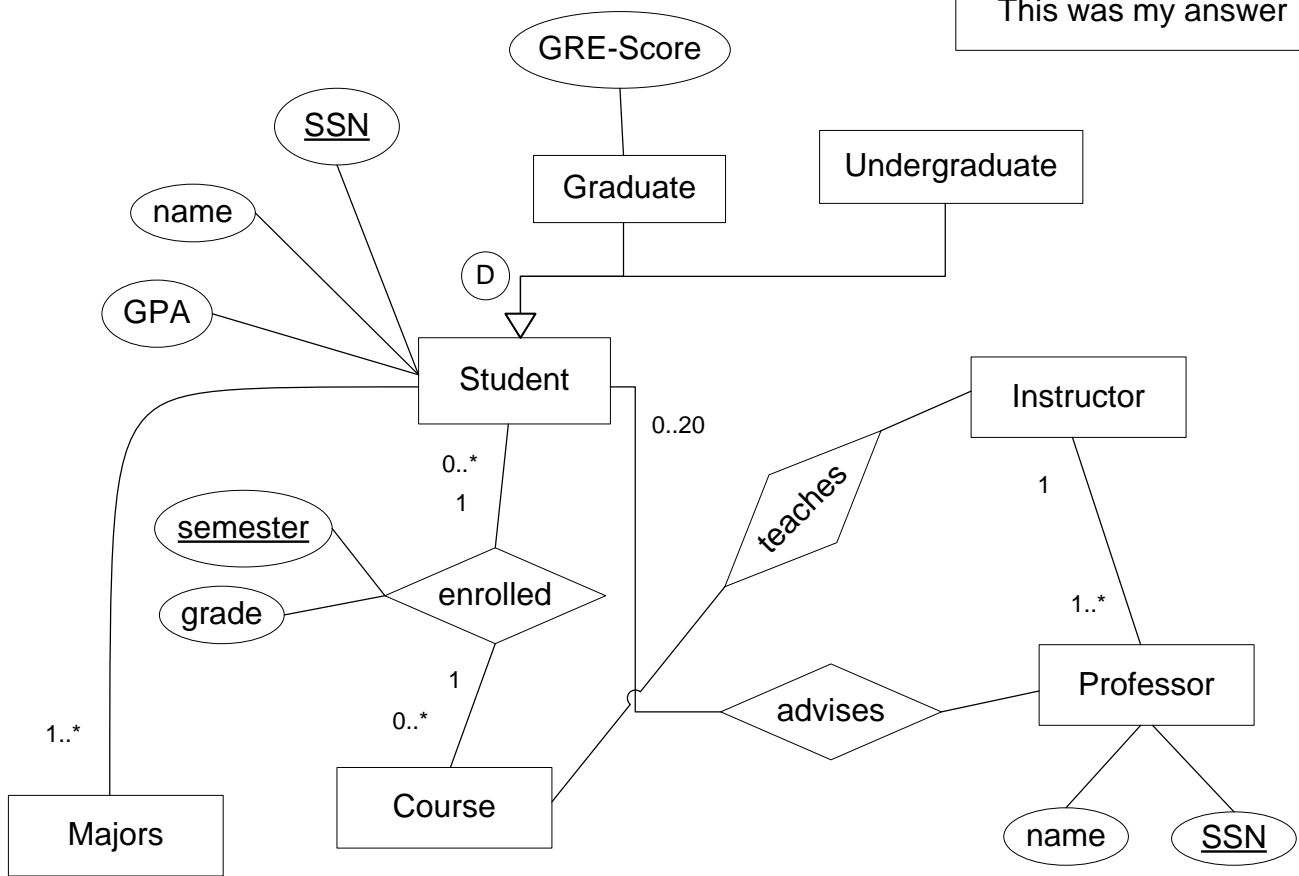
“ER Diagram?!?”

“What the...”

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Design a "good" entity-relationship diagram that describes the following objects in an university application: students, instructors, professors, and courses. Students are subdivided into graduate and undergraduate students. Students take a course in a particular semester and receive a grade for their performance. Sometimes students take the same course again in a different semester. There are no limits on how many courses a student can take, and on how many students completed a particular course. Each graduate student has exactly one advisor, who must be a professor, whereas each professor is allowed to be the advisor of at most 20 students. Courses have a unique course number and a course title. Students and professors have a name and a unique ssn; students additionally have a gpa; moreover, graduate students have a GRE-score, and undergraduate students have a single or multiple majors. Professors can be students and take courses, but graduate students cannot be undergraduate students.

This was my answer



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This is a much improved answer.
Of Course, it's correctness can be debated, but Dr. Lee liked it.

