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In-Video Quiz

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Q1

1/1 point (ungraded)

Consider a database containing information about courses taken by students. Students have a unique student ID and (possibly not unique) name; courses have a unique course number and (possibly not unique) title; students take a course in a given year and receive a grade. Which of the following schemas would you recommend?

- ☐ Took(sID, name, courseNum, title, year, grade)
- ☐ Course(courseNum, title, year), Took(sID, courseNum, grade)
- ☒ Student(sID, name), Course(courseNum, title), Took(sID, courseNum, year, grade)
- ☐ Student(sID, name), Course(courseNum, title), Took(name, title, year, grade)



Explanation

Answer 1 has anomalies similar to the video example. Answer 2 associates year with a course rather than with a student taking it. Answer 4 uses non-unique values (name, title) to identify students and courses.

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