

Quiz 2

Score (out of 13)

Taken by:

Name

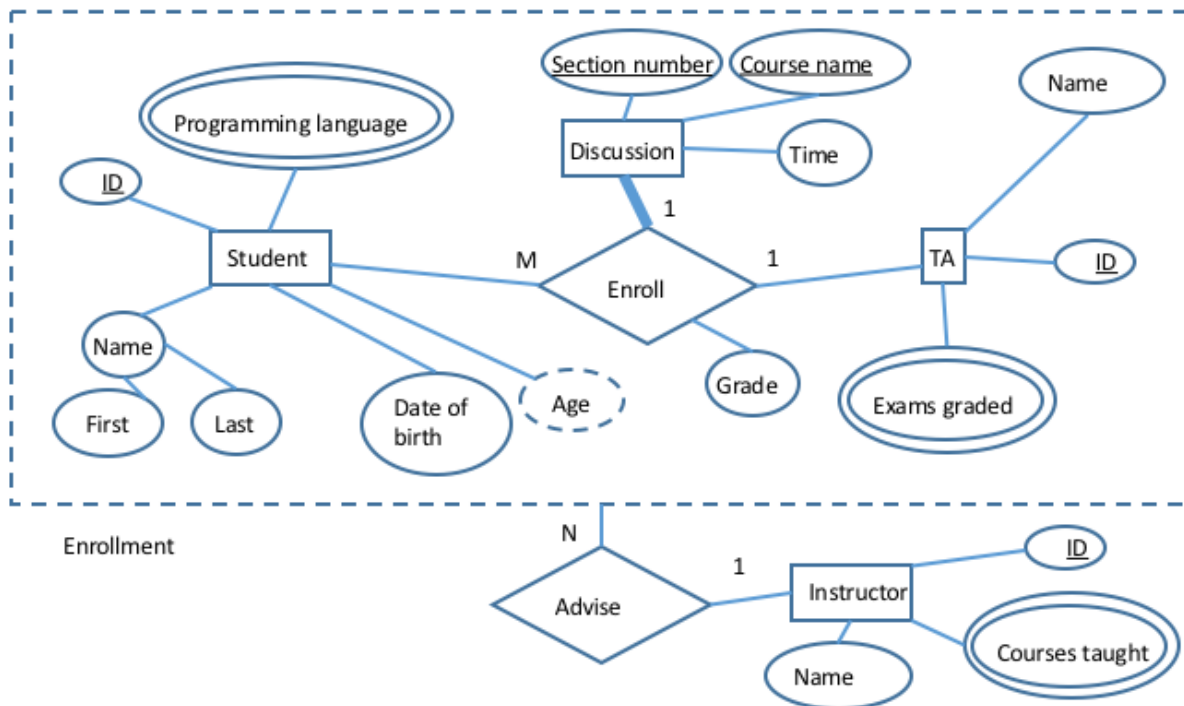
Student ID

Graded by:

Name

Student ID

- You will have 15 minutes to finish this quiz.
- Please don't start the quiz until the instructor directs you to do so. On the flip side, when the time is up, please stop writing when the instructor directs you to do so.
- We will discuss the answers right after the quiz. You will grade another student's quiz. For this, please switch quizzes with another student.



(1 point for each part) Consider the above ER diagram for designing a database for our class, CS122A, in Spring 2016. Now, identify the following:

1. Entities – **Student, Discussion, TA, Instructor**
2. Relationship(s) – **Enroll, Advise**

3. Simple key(s) – **Student.ID, Instructor.ID, TA.ID**
4. Composite key(s) – **Section number + Course name**
5. Composite attribute(s) – **Student.name**
6. Derived attribute(s) – **Age**
7. Multi-valued attribute(s) – **Programming language, Courses taught, Exams graded**
8. Entity set(s) (with more than one entity) –
9. Aggregation(s) – **Enrolment**
10. Binary relationship(s) – **Advise**
11. Ternary relationship(s) – **Enroll**
12. Check the following participation constraint: “Every discussion has a TA”.
 - a. **True**
 - b. False
13. Check the following participation constraint: “Every TA has a discussion section”.
 - a. True
 - b. **False**

Signed: _____ Date: _____