

3. The Training Database

You are asked to design a database for your company's training program. There are in total 8 instructors teaching in 5 different courses. Because of classroom capacity and different schedule needs, each course may have several class sections.

Each instructor is responsible for up to five classes, and each class is taught by only one instructor. If an instructor does administrator works, s/he will not have teaching load.

A class can handle up to 25 trainees per class. A trainee may register up to 5 classes at the same time. A class will be canceled if it has fewer than 5 trainees.

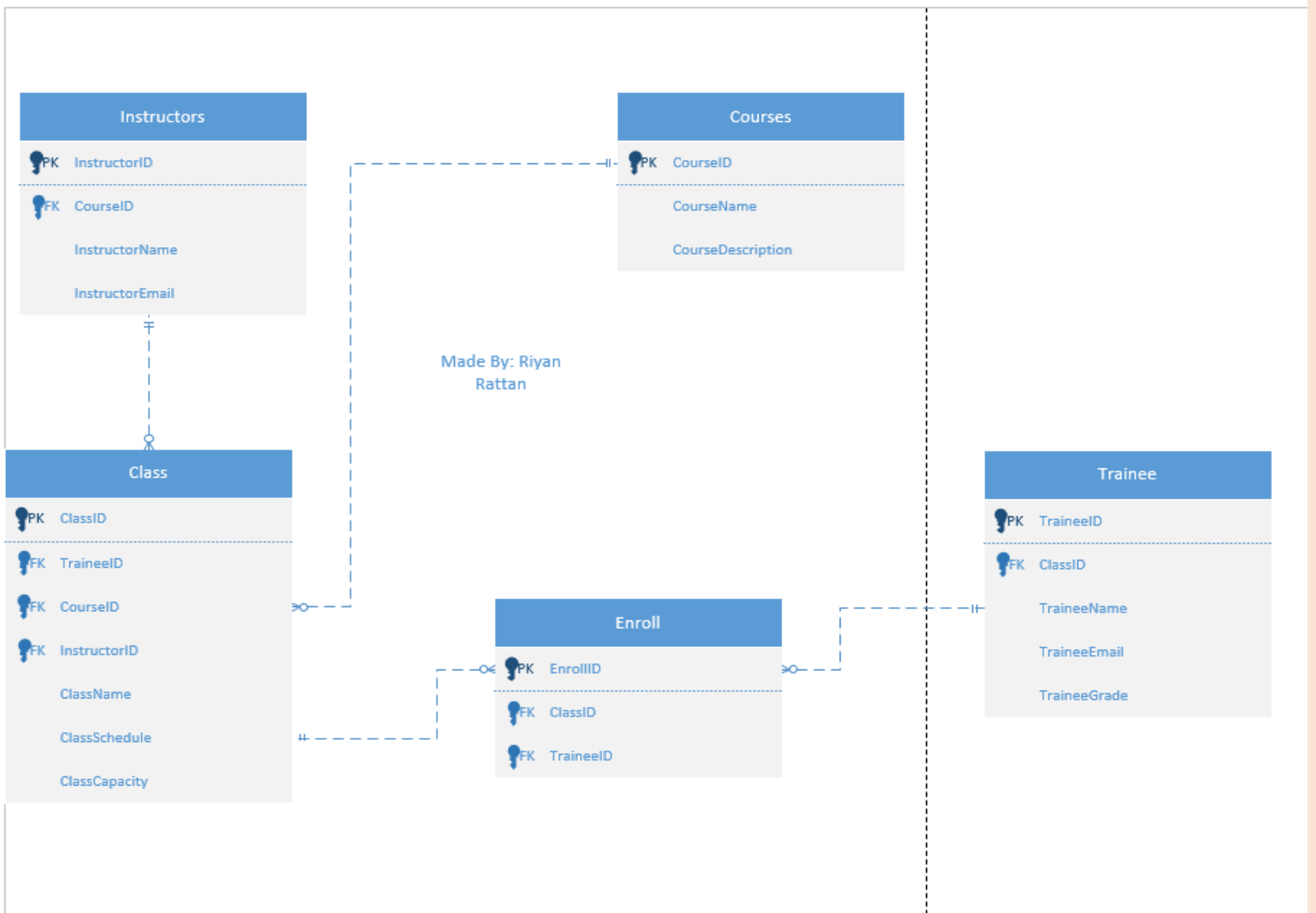
An ID is needed for each entity. Other data needed in the database includes (separate the attributes into smaller attributes when appropriate): instructor name, instructor e-mail, course name, course description, class name, class schedule, class capacity, trainee name, and trainee e-mail.

Also, a grade for each trainee on each class should be recorded in the database.

Note:

- There is **no** relationship with instructor and course; an instructor teaches classes **not course**
- If already placed an associative entity, no need to connect another line (like class and trainee)
- The line that connects the associative entity has two options:
 - Non-identifying (dashed): if only have a PK and FK(s) separately
 - Identifying (solid): if the attribute(s) is both PK/FK in one

Paste Your Answer Diagram Here:



Note:

The associative entity ENROLL can be made like above, or you can have ClassID (PK/FK) and TraineeID (PK/FK) and connect both sides of lines as identifying (solid) (no EnrollID)

