

Group 4:

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## Deliverable 2 Questions

**Can a coach be both a street bike and dirt bike coach?**

Yes, they can be both.

- Only one "Coach" entity is necessary and can be flagged as a street bike coach, dirt bike coach, or both.

**If a coach is a street bike coach, are they automatically also a classroom teacher or could they be a street bike range only coach?**

We can have only range coaches, only classroom coaches, mixed, etc... Any combination is possible.

- Again, allow for a range of coach types.

**Can Students, Coaches, and Courses all have a unique id (i.e., student id, coach id, course id)?**

Yes, of course, if that makes your work easier that is ok for me!

- Using unique IDs will simplify the internal structure, so each entity will have them.

**Do dirt bike courses also have a written test? (The requirements say each student has both written and practice, but I ask since dirt bike courses do not have a classroom session).**

And that is a really good one... yes, we have some nice picnic tables near the dirt range and we take the written tests there. So, yeah, every course has both tests (I think that makes the app easier :wink:)

- No need to differentiate between dirt bike and street bike courses in terms of written and practical exams.

**Do we store the same information about teachers as we do coaches (is a teacher basically a limited type of coach?)**

For the coaches we keep the same info, but we need to know if they can or not teach in the classroom, if they can or not teach dirt bikes, and if they can or not be a Street Bike Range Coach. So a coach is the same thing as a teacher, but later it calls teachers to the classroom ones and coaches to the ones riding. Sometimes a customer can use language that is not always coherent, and it is a very good thing to ask.

So, we only have coaches. they can be able to teach or not in the classroom and on each of the ranges... no difference between them, except for the "certifications" that they have to teach different things.

- Use coach as an umbrella entity. Coaches can now be flagged as street bike coaches, dirt bike coaches, or classroom coaches.

### **For bike reports do we include past and present course assignments?**

A report for a bike must show all the history of that bike, repairs past and present (and future if that is a possibility) course assignments.

- Use a singular report to show repair and course assignment information.

**Each course needs one classroom teacher and three range coaches. Can the person who is both a coach and classroom teacher, teach the am classroom session then teach a pm riding session for the same course?**

Yes

- Updated "course" cardinality annotation in diagram.

### **What happens if a student fails a course? Will they need to pay again? Can they retake a test?**

If the student fails, fails. That is it. No partial retakes or anything like that. He can enroll again and take the course again.

- Simplify relationships between student/exam attempt, course/exam attempt, and student/course. They can all be separate and not depend on each other.