CECS 323 LAB WHICH MANY TO MANY

OBJECTIVE: Give you some experience deciding which sort of many to many to employ.

INTRODUCTION: When I was a teenager and dinosaurs roamed the earth, we would go on camp outs. Each meal had the same chores that needed to be accomplished. Different members of the scouting troop would be assigned these various chores.

- A meal is either breakfast, lunch, or dinner on a certain day.
- Each meal typically had a scout assigned to fire, water, and wood (back when we could gather wood in the wilderness), cook and KP (kitchen police for you who have never heard that lovely term).
- Each scout **could** get assigned a given task more than once over the course of the trip. For instance, they might be fire, water, wood for breakfast on Monday morning, and get the same assignment for dinner the following evening.
- A given scout **never** gets two tasks assigned them for the same meal.
- Sometimes, especially for dinner, we might have more than one scout assigned a particular chore. For instance, Friday night dinner might have two cooks and two KPs.

PROCEDURE:

1. Model the above business rules in UML.
2. Produce the corresponding relation scheme diagram.
3. Write up your rationale for why you chose to model it the way that you did. Cite specific business rules to explain your decisions.

WHAT TO TURN IN:

- UML model in drawio.
- Relation scheme diagram in drawio. Note, they can both be in the same file, just two different pages.
- Document explaining your approach.
- Your team's filled out collaboration document. You can find a template for that [here].