COSC265 Assignment 1 Assumptions

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Plenty of assumptions were made about the given LEARN data model to complete the EER diagram. Here are the assumptions listed below:

- For the **USER** parent entity: Assume that a user can be a student and a teacher at the same time.

- For the **TAUGHT_BY** relation: Assume that each lecturer teaches at least one course.

- For the **ENROLLED_IN** relation: Assume that each course has at least one student.

- For the **COURSE_CATEGORY** entity: Assume that the course category ID is unique within all courses. (This was specified very ambiguously in the document.)

- For the **HAS_A** relation binding **RESOURCE** and **COURSE_SECTION**: Assume that each course section has at least one resource.

- For the **PARTICIPATE_IN** relation: Assume that each forum has at least one user.

- For the **MAKE_POST** relation: Assume that you need to be a registered user to post.

- Also, for the **MAKE_POST** relation: Assume that a post cannot be shared across forums.

- For the **REPLIES_TO** relation: Assume it is never possible for a post to reply to itself.

- Also, for the **REPLIES_TO** relation: Assume that you cannot reply to multiple posts at once in the same post.

- For the **QUESTION** entity: Assume that question IDs are unique for all possible quizzes. (This is very ambiguously stated in the assignment document.)

- Also, for the **QUESTION** entity: Assume that questions can be shared across quizzes. For example, if a lab expires, and changes to a practice quiz, it can share the same questions from the expired lab.

- Finally, for the **QUESTION** entity: Assume that each question resides in at least one quiz.

- For the relations between **STUDENTS** and **QUIZZES** and **QUESTIONS**: Assume that sometimes, no students will submit a question or a quiz.