

CS4.301: Data and Applications (Monsoon 2024)

Homework - 2

Submission Deadline: Oct 23, 2024

Assigned Task

You are required to draw an ER diagram for the same mini-world that you were given in HW1. However, you must do this based on another team's requirement analysis document. The ER model should capture all entity types (subclass, generalization, weak, if any) and the relationship types stated in the requirements document.

Since the requirements document is from another team, you are expected to review and evaluate the requirements analysis document based on several parameters such as:

- Are the requirements complete?
- Are any requirements incorrect?
- How easy is it to model the mini-world with these requirements?

If you believe that there exist inconsistencies, you are allowed to rectify them. You are required to mention any modification in the analysis section of this HW's submission.

How to draw?

- You are free to draw your ER diagram using any digital tool such as [creately](#), [draw.io](#), [lucidchart](#).
- You are required to adhere to notations from the textbook that this course follows. Considering that online tools might have certain limitations, minor variations in the notations will be accepted.
- Use (min, max) notation for cardinality and participation constraints.
- Common mistakes include missing cardinality constraints, ambiguous participation constraints, and undifferentiated attributes (multivalued, primary key, etc.). Make sure to avoid these.

Submission Guidelines

- The document assigned to you can be found in the following folder with the filename *your_team_number.pdf*
- One member per team must upload a PDF document (**<team_number>.pdf**) with the ER diagram and the critical evaluation (analysis) of the requirements document.

Folder: https://drive.google.com/drive/folders/1fIAZE3Wr_cbDv0hTqC2th-hyFJWe9Ap6?usp=sharing
