

# CSE 370– Database Systems

## Assignment 2

Summer 2023

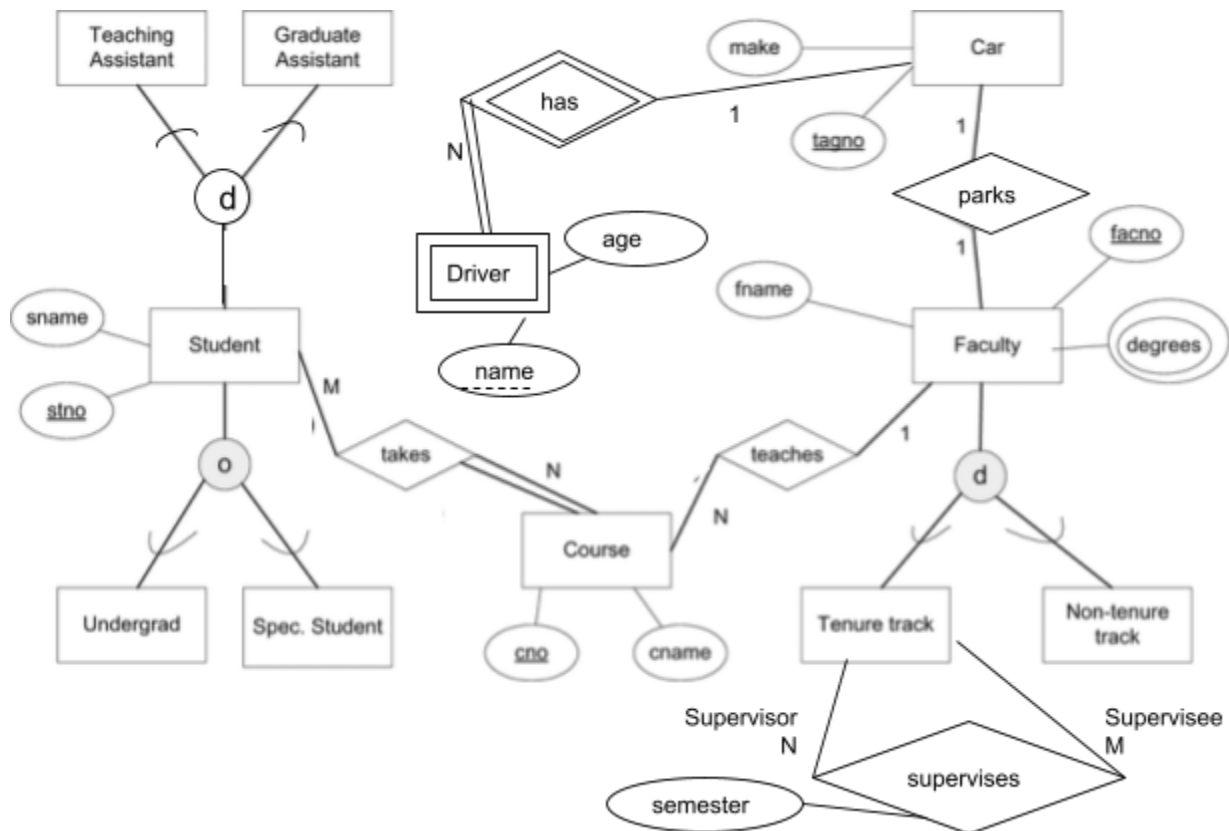
### Submission Instructions:

1. Write your name, id, section on top of the first page
2. Your answer should be handwritten, take pictures and create a single pdf.
3. **Submit the pdf in the following form:** <https://forms.gle/A5FPp5WHSwrzFoBN9>
4. **Submission Deadline:** 7th August, 2023(Monday) 11:59 pm (midnight)
5. **NO LATE SUBMISSION WILL BE ACCEPTED**

### QUESTION 1 [CO3]

[10 Points]

**Construct** a relational schema diagram from the Extended Entity Relationship (EER) diagram below.



**QUESTION 2****[10 Points]**

In a restaurant, there are Food Items with the following attributes: ID (unique), Name, Price, Description. The food Items can fall under any of the three categories: Indian Item, Japanese Item and Chinese Item. There are no other categories. Some food items are fusions, so they can fall under multiple categories. Indian Items have an origin\_state attribute, Japanese items have a calorie count attribute

A. Represent the above scenario using an EER diagram. [2 Points]

B. There are four options for mapping specialization/generalization. Map the above EER using all four options. If any option is not applicable for the above scenario then explain why. [8 points]