CSE 370– Database Systems

Assignment 2

Summer 2023
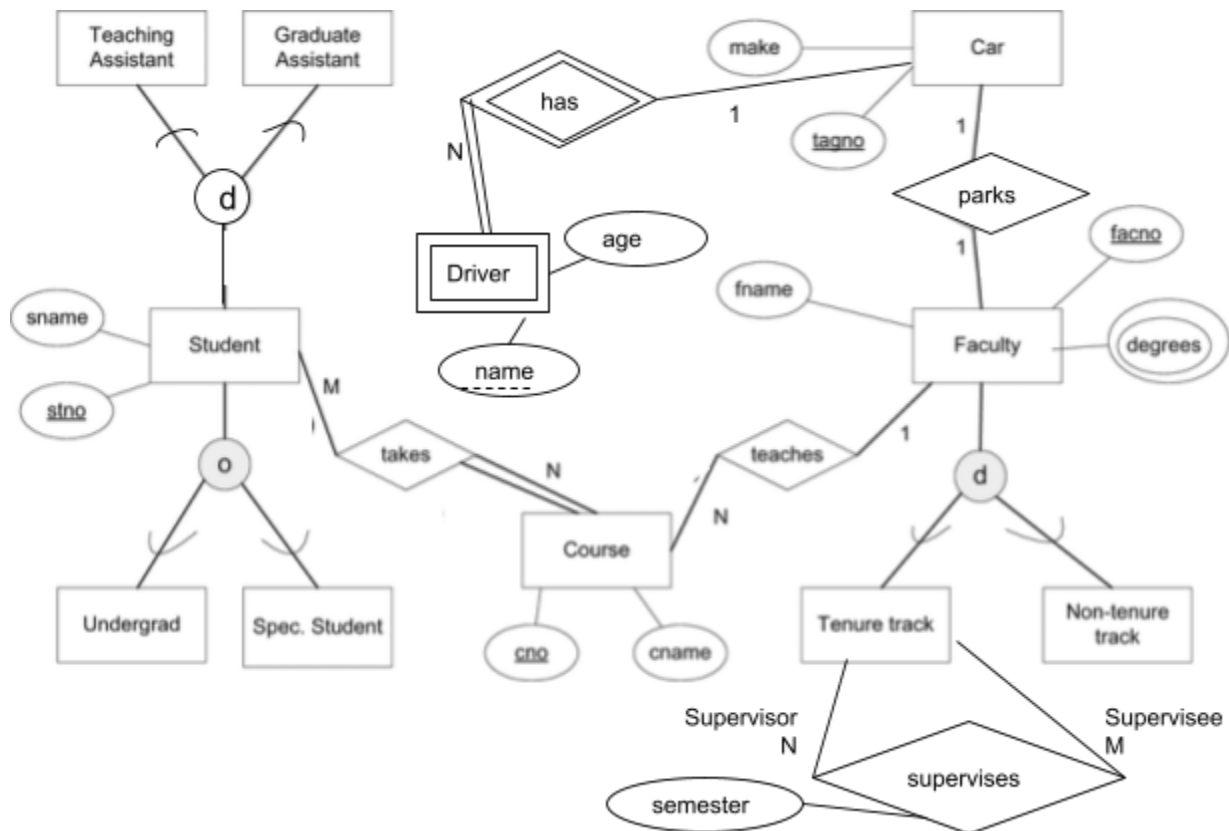
QUESTION 1 [CO3]   [10 Points]

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

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]