

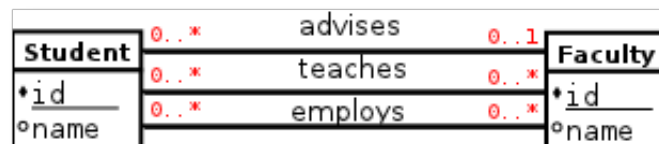
CS386 Homework 5

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a. ERD with cardinality constraints:¹



Relational Schema for this ERD:

Student(id, name, advisor) advisor references Faculty.id

Faculty(id, name)

Teachers(faculty_id, student_id) faculty_id references Faculty.id, student_id references Student.id

Employments(faculty_id, student_id) faculty_id references Faculty.id, student_id references Student.id

b. ERD with cardinality constraints:

¹ERDs drawn using Dia. <http://projects.gnome.org/dia/>
Edited with the GIMP [GNU Image Manipulation Program]