

CSCI 4333
Design of Database Systems
Fall 2020
Homework #4

ER Model to Relational Model

(1) Using the *suggested* ERD solution of Homework #3, [ER](#) (*not* your own solution) *and the specification of HW #3*, construct the relation schema to implement the ER diagram). For each relation, underline the PK and list:

1. all candidate keys: e.g. [1] FacultyId, [2] {FirstName, LastName, DepartmentNumber}
2. all foreign key references: e.g. [1] ChairFacultyId references Faculty[FacultyId], [2] StudentId references Student[StudentId]
3. Attributes known for sure that can be null [i.e. Nullable]: e.g. [1] MiddleInitial, [2] Phone

Use [h4sol_template.docx](#) as the template. Rename it as H4_<<Your name>>_<<Your Student ID>>.docx and submit your homework through Blackboard.