

## Assignment 5: Entity-Relationship Modeling

Due: Friday October 26, 2018 by 11:59pm

Solve the following problem is the textbook *Database Systems: The Complete Book 2nd Edition* by Hector Garcia-Molina, Jeffrey D. Ullman, and Jennifer Widom.

1. Problem 4.1.3 (page 139)

Make sure to appropriately indicate constraints and the type of relationships (binary, ternary, many-many, many-one, or one-one).

2. Problem 4.1.4 (page 139)

Make sure to appropriately indicate constraints and the type of relationships (binary, ternary, many-many, many-one, or one-one).

Modify your “people” database design of Exercise 4.1.6 to include the following special types of people:

3. Problem 4.1.6 (page 139)

Make sure to appropriately indicate constraints and the type of relationships (binary, ternary, many-many, many-one, or one-one).

4. Problem 4.1.7 (page 139)

Make sure to appropriately indicate constraints and the type of relationships (binary, ternary, many-many, many-one, or one-one).

5. Problem 4.6.2 (page 171)

Make sure to appropriately indicate primary key and foreign key constraints.

6. Problem 4.6.1 a and 4.6.1.b (page 171)

Make sure to appropriately indicate primary key and foreign key constraints.