

Part1: (E)ER design

Database Design

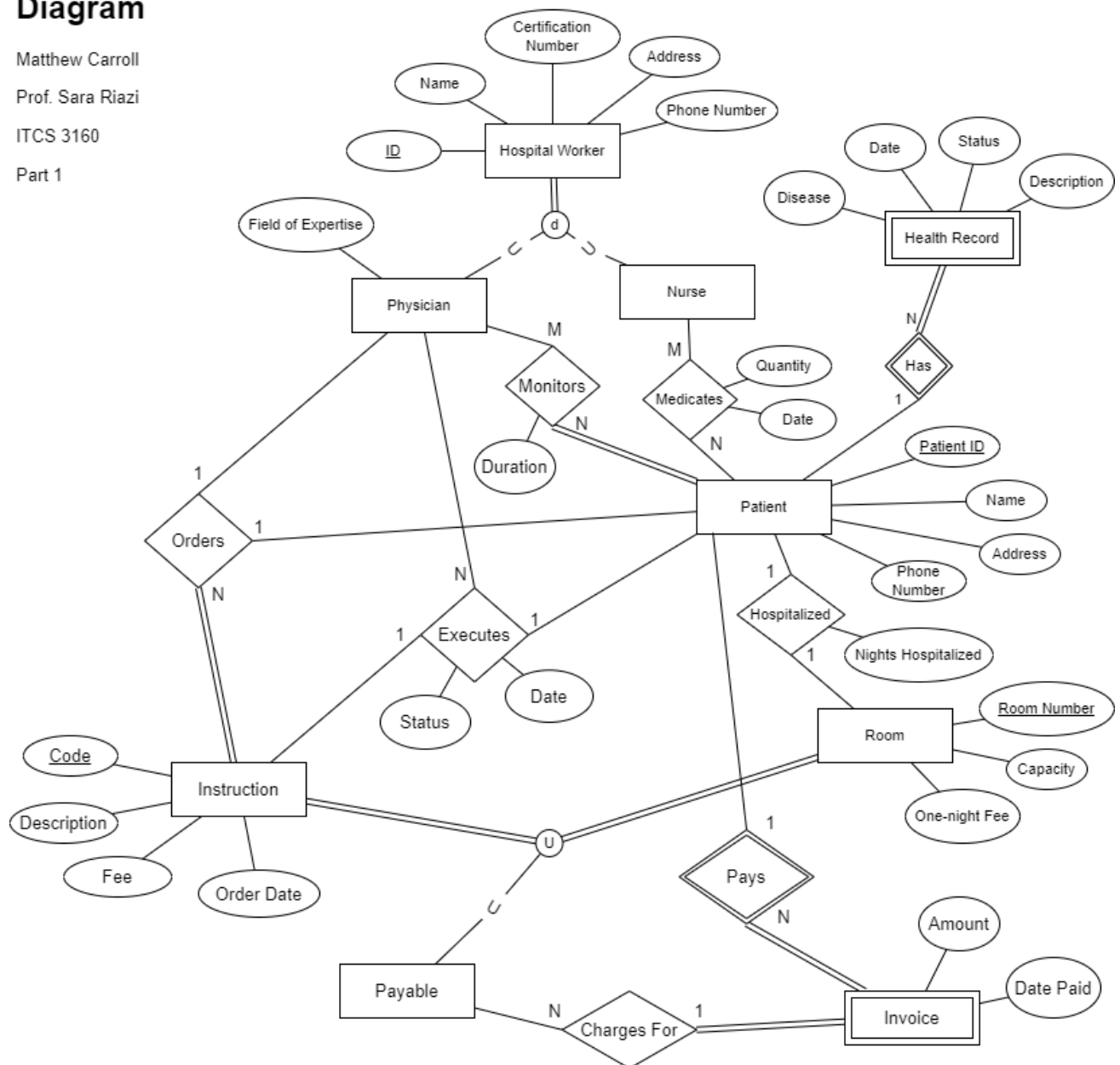
Hospital EER Diagram

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ITCS 3160

Part 1



- * Full drawio file submitted with assignment for easier viewing
- * All cardinalities are shown next to the relationships on the diagrams
- * Some lines cross due to so many intertwining parts, however all connecting lines are straight to reduce confusion

Assumptions

- Invoice is defined by its relationship to Patients in specific (an invoice is assigned to a patient), so the relationship between the two is defining
- Since every Instruction must be ordered when it is created, the date ordered attribute is assigned to the Instruction itself rather than the relationship
- Rooms are assumed to only hold one Patient at any time
- Hospital Workers must be either a Nurse or Physician in the case of this database