CECS 323 LAB: HEAD NURSE

OBJECTIVE: Give you some experience with many to many and a colliding foreign key.

INTRODUCTION: In a typical hospital setting, the 24 your day is divided into three shifts. Each shift on each day has several nurses. Conversely, each nurse will be assigned various shifts on various days. A nurse could get the morning shift this Tuesday and the evening shift this Wednesday, and then next week get the morning shift on Wednesday and the night shift on Thursday. Out of the nurses assigned to a shift on a specific day, one and only one of those nurses is designated the "head nurse" for that shift.

PROCEDURE: Do the design work in UML class model and build the relation scheme model.

- The shifts will either be "morning", "afternoon", or "night". They are 8 hours each. Come up with a way to make sure that no one ever enters an invalid shift type.
    - Do not worry about capturing when the shifts start and end.
- Each shift is identified by the date and the shift type.
- Assume that the nurse is identified by an EmployeeID and we keep their first and last name on file as well.

WHAT TO TURN IN:

- Your UML class model
- The relation scheme diagram
- A brief explanation of how your relation scheme diagram enforces the constraint that the head nurse for a given shift must also be one of the nurses **assigned to that shift**.
- Your team's collaboration document. You can find the template for this at BeachBoard | Content | Student Helps | Lab Collaboration Document.