Show the data model using UML with numeric ranges for the **Huge Video Production** company which is a low budget independent producer of movies. **Huge** needs a database for use in managing the production of its movies and actor assignments. For each movie, it needs a movie ID, title, genre, and expected completion date. Huge must track each scene for each movie. Initially, there aren't any scenes. Each scene within a movie is given a sequential scene number (beginning with 1), a location, a date, time, and description about the scene. Huge also records information about its actors including unique employee ID, name, gender, and birthdate. To keep track of assignments of actors to scenes, Huge needs to record the actors **for each scene**. This includes recording the actor's employee ID, role, and makeup description (e.g., vampire, werewolf). Actors might appear in many scenes for a movie, but aren't assigned to every movie. Due to the tight budgets, actors may play multiple roles on a movie, but at most one role per scene. A scene might not have any actors.

Movie(moviesID, title, genre, ExpCompletionDt)

Scene(movieID, seqNum, location, date, time, desc)

Actor(empId, name, gender, birthDt)

Assignment(empId, movieID, seqNum, role, makeup);

Actor N0 .. N Scene

Movie 1 .. 0N Scene

For this information, show a logical schema using **UML with numeric ranges**.

Notes: - underline primary keys in each

- your logical structures should reduce redundancy as much as possible

- if necessary, show your answer on the back of this page