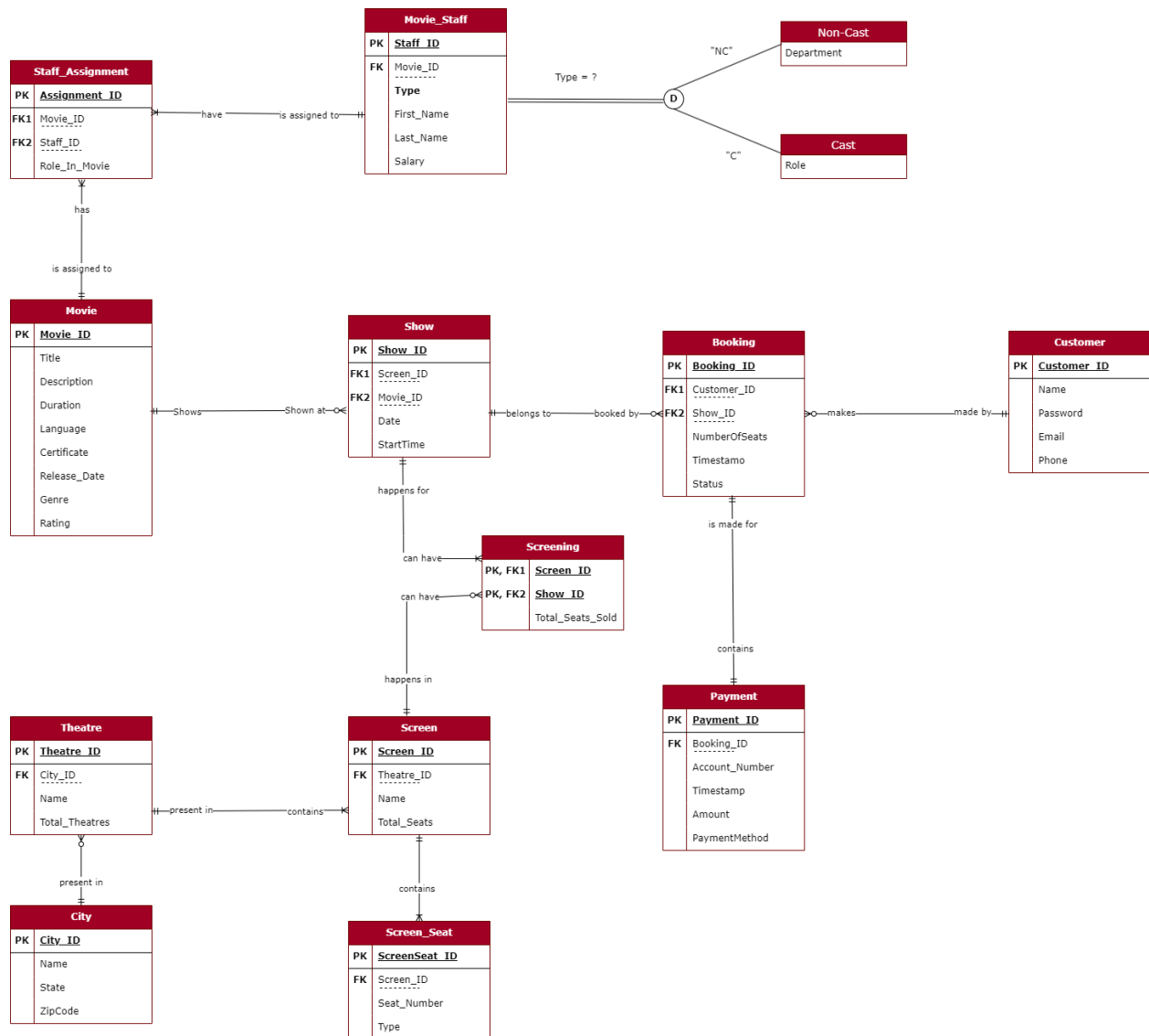


DAMG6210

Group 16

## P3 Logical Model | MovieMate



### **Comments Provided by Professor:**

Can a Theater only show a single “show”? Movie\_Information seems to encapsulate different concepts: actors, genre, directors. All these can be separate entities. Go through and ensure your entities and relationships make sense (read them both ways)

### **Changes Made from previous ERD:**

1. Updated Movie Information table
  - a. Created a new entity called Movie\_Staff
  - b. Added an associative entity called Staff\_Assignment between Movie and Staff
  - c. Movie Staff can be of 2 types, Cast and Non Cast
  - d. Cast can be Lead roles, support roles etc
  - e. Non Cast, can be from Departments like Photography, Directing etc
  - f. Relation of Associative Entity is :
    - i. A movie has one or more staff assignment records and these records are assigned to one movie each
    - ii. Movie\_Staff can have one or many assignment records and each record pertains to a staff member
2. Renamed Cinema to Theatre
3. Renamed Theatre to Screen
4. Added an associative entity between Screen and Show
  - a. The entity is called Screening
  - b. A Screen may have 0 or more screenings
  - c. A Screening is always associated to one Screen
  - d. A Show must have atleast one Screening
  - e. A Screening happens for only one show at a time
5. Removed Show\_Seat Entity, It was a redundant entity
6. Updated relationships
  - a. A Theatre has to have atleast one screen
  - b. A Screen should have atleast one seat
  - c. Booking and Payment have mandatory 1:1 relationship now. Every booking has a payment entity ( even if free )

### **Note:**

This is a Movie Ticketing System, so less emphasis is placed on Movie Staff and further information.

