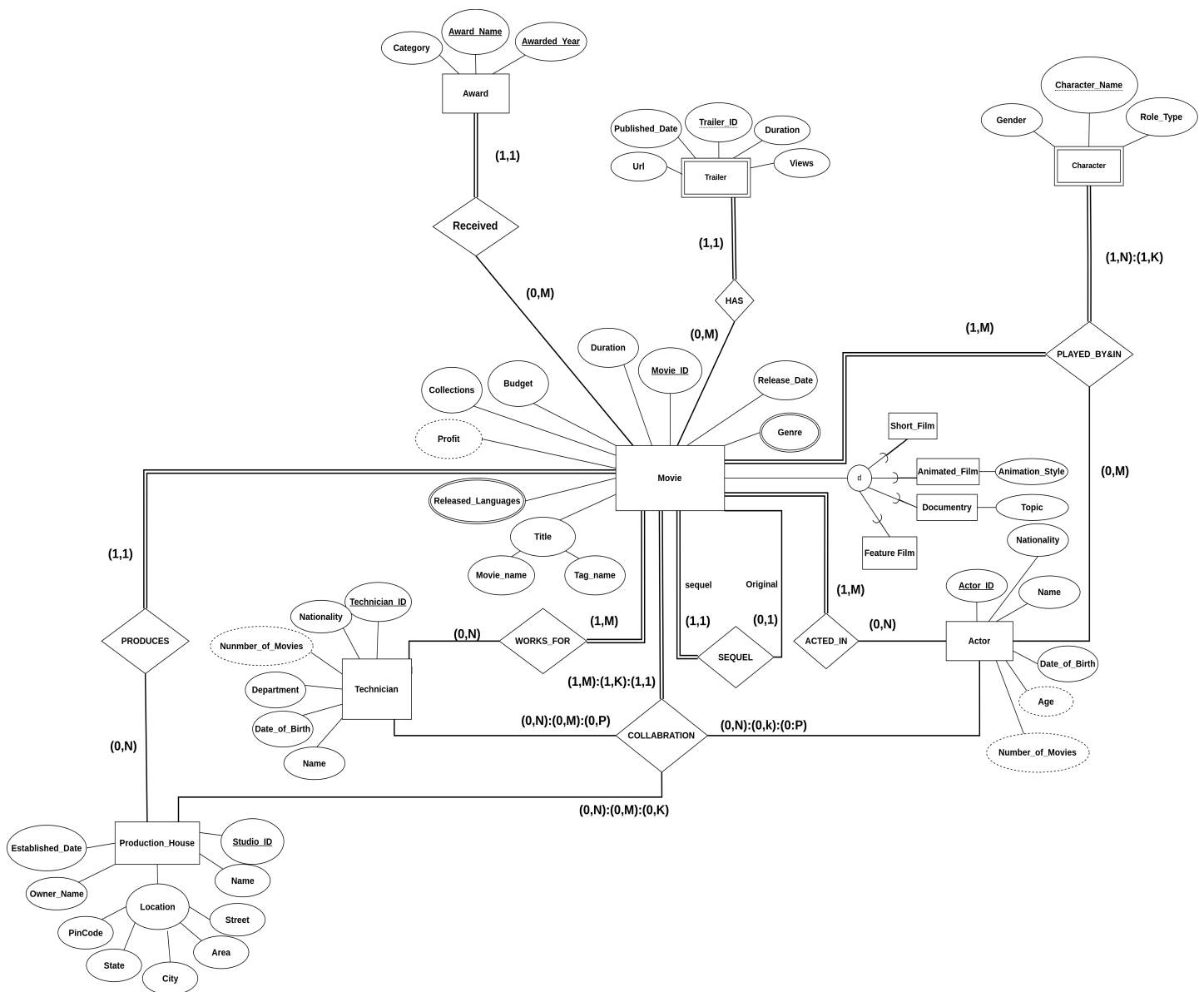


# PROJECT PHASE-2

Team-39

## ER-DIAGRAM FOR CINEMA-BASE:



—————The ER diagram contains both min-max Notation and Participation Constraint—————

### Changes:

- Removed the assumption “A character will be played by only one Actor”
- changed the cardinality ratio for COLLABORATION to N:M:K:P

### Explanation For min max Notation of COLLABORATION:

Take movie, the min max notation for movie is (1,M):(1,K):(1,1) this means 1 movie can collaborate with min 1 Actor, 1 Technician, 1 Production\_House and max M Actors, K Technicians, 1 Production\_House. Similarly, for Actor, Technician, Production\_House also.

### Order of min max notation:

In **COLLABORATION**: Movie (Actor : Technician : Production\_House), Actor (Movie : Technician : Production\_House), Technician (Movie : Actor : Production\_House), Production\_House (Movie : Actor : Technician)

In **PLAYED\_BY&IN**: Character (Movie : Actor), Movie (Character), Actor(Character)