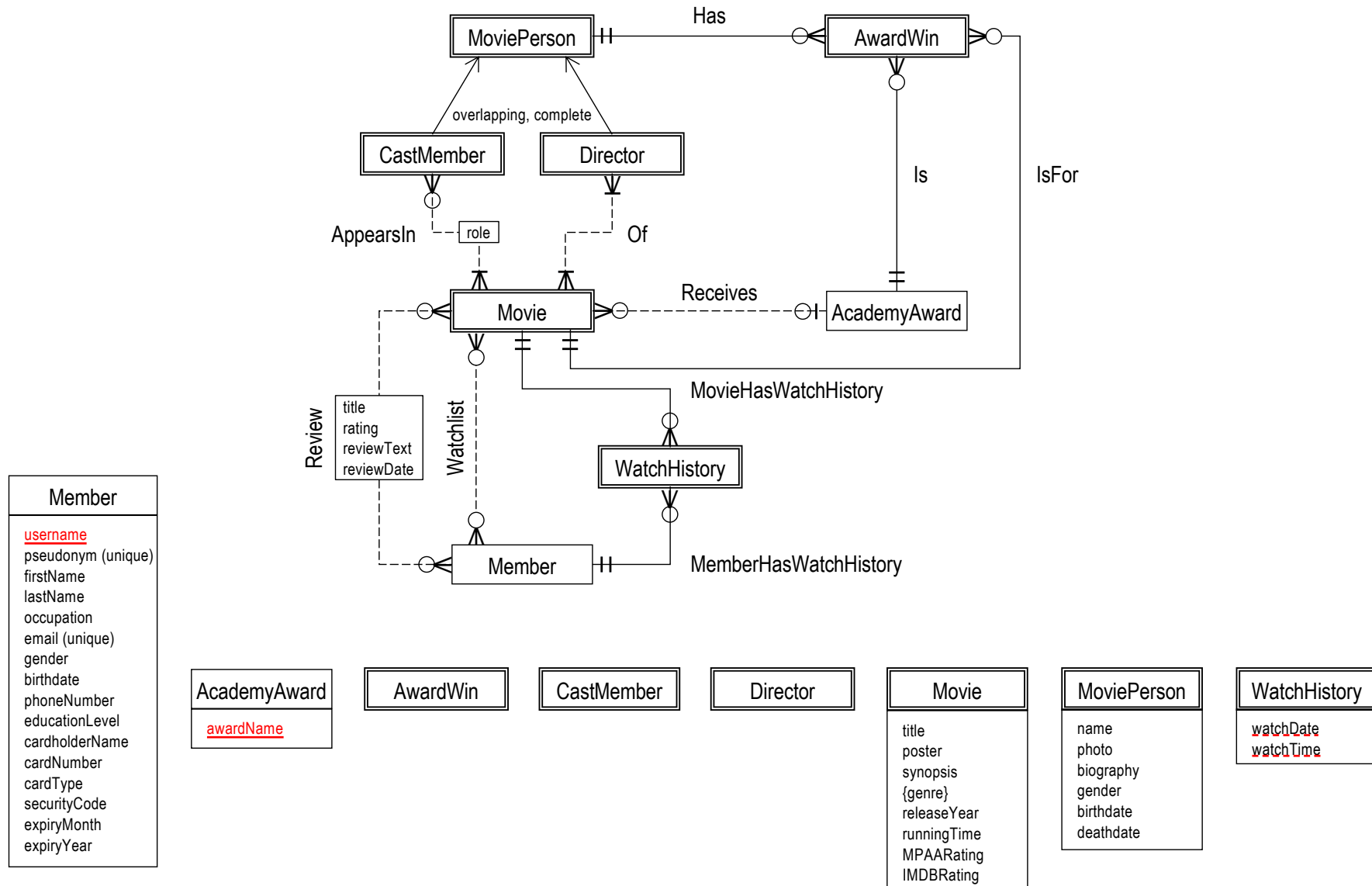


COMP 3311: Database Management Systems

Movie Streaming Management System

Task 1: Entity-Relationship Schema Example Design



Marking Scheme

Concept	Count	Marks per	Total Marks	Notes
Entities	8	2	16	AcademyAward, AwardWin, Actor, Director, Member, Movie, MoviePerson, WatchHistory genre keys: awardName, username; unique: pseudonym, email 2 marks for generalization; 1 mark for coverage constraint
Attributes of entities	32	0.5	16	
multi-valued attributes	1	2	2	
Key/unique attributes	4	2	8	
Relationships	10	2	20	
Attributes of relationships	5	1	5	
Relationship constraints	40	0.5	20	
Identifying relationships	5	1	5	
MoviePerson generalization	1	3	3	
Presentation	1	5	5	
TOTAL			100	

Notes:

1. Different concepts from the sample solution can get the same marks if they represent the requirements correctly/adequately.
2. The Relationships mark is for having a correct and named relationship.
3. The Relationship constraints mark is for each cardinality and each participation constraint for each end of a relationship.
4. The Identifying relationships mark is for each identifying relationship.

Deductions

- 0.5 mark for a missing relationship name or incorrect identifying relationship.
- 1 mark for each operation that is included in a design.
- 1 mark for each unnecessary surrogate key, each incorrect discriminator and each incorrect unique attribute.
- 2 marks for an incorrect relationship (i.e., it relates the wrong entities, or it is incorrectly represented).