

## Final ERD

**Team members:** Yi-Tang Chou, Ziyi Ling, Ting-Kai Liu, Yin Song, Wei Yu

**Course:** INFO 6210 Database Management and Database Design

**Instructor:** Prof. Manuel D. Montrond

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### Modifications based on the feedback

1. Removed the MovieID field from *Script*.
2. Removed the PercentageAgreement field from *Screen Writer*.

### Other Modifications

1. Transformed the Member Name field of *Production Member* into two separate fields: First Name varchar(25), Last Name varchar(25), in order to address the 1NF rule of deconstructing multivalued attributes.
2. Created appropriate M:N relationship between *Production Member* and *Movie* by adding the following:
  - 1) Created an M:N relationship between *Director* and *Movie* by linking them with an associative entity, *Movie Directed*
  - 2) Created an M:N relationship between *Star* and *Movie* by linking them with an associative entity, *Movie Performed*
  - 3) Created an M:N relationship between *Screen Writer* and *Movie* by linking them with an associative entity, *Movie Script*
3. Modified several data types such as Company Name, Movie Name, Script Name to maintain domain constraint.
4. Created a 1:M relationship between *Movie* and *Company* to accelerate queries, allowing users to search for movies based on countries faster.

