

SUMMARY SHEET GROUP 13

Movie Database Management System

GitHub Repository Link- <https://github.com/aishdhandore/Group-13--DMDD-Project-Fall-2023>

Group Members –

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CHANGES MADE IN THE ERD:

1. **Introduction of Associative Entities:** Associative entities have been incorporated into the ERD to represent relationships between multiple entities. These entities explicitly portray the connections between entities, enhancing the clarity and accuracy of the data model.
Associative entities introduced: Movie_Production, Movie_Genre, Movie_Honors, Cast_Honors, Movie_Role, Movie_broadcaster
2. **Placement of Foreign Keys:** Foreign keys have been strategically placed within the associative entities. These keys establish the links between the associative entities and their respective parent entities, ensuring data integrity and maintaining referential relationships.
3. **Primary Identifiers for Associative Entities:** Each associative entity is equipped with a unique primary identifier. This identifier serves as the distinguishing attribute for the entity, enabling its unambiguous identification within the data model.
4. **Corrected Cardinality between Cast and Crew Entity and Character entity:** A cast and crew member can portray multiple characters, and a character can be played by a single cast and crew member.

Future scope:

- **Categorization of Broadcasters:** To further refine the data model, broadcasters can be categorized based on their specific attributes, such as ownership, geographic reach, and programming focus. This categorization will provide a more granular understanding of the broadcasting landscape.
- **Enabling Review Comments:** To foster user engagement and facilitate constructive criticism, the option to comment on reviews can be introduced. This feature will

encourage discussions, provide additional insights into movie perceptions, and enrich the overall user experience.

- Many-to-Many Relationship between Movies and Production Companies:** To accurately represent the complex relationships between movies and production companies, a many-to-many association can be implemented. This will allow a movie to be linked to multiple production companies, and vice versa, reflecting the collaborative nature of film production.
- Categorizing (subtyping) Cast and Crew Members:** To better capture the diverse roles and contributions within the film industry, cast and crew members can be categorized based on their specific professions, such as actors, directors, producers, and screenwriters. This categorization will provide a more detailed representation of the filmmaking process and the individuals involved.

