Frame by Frame

Movie Rating System

Group Members:

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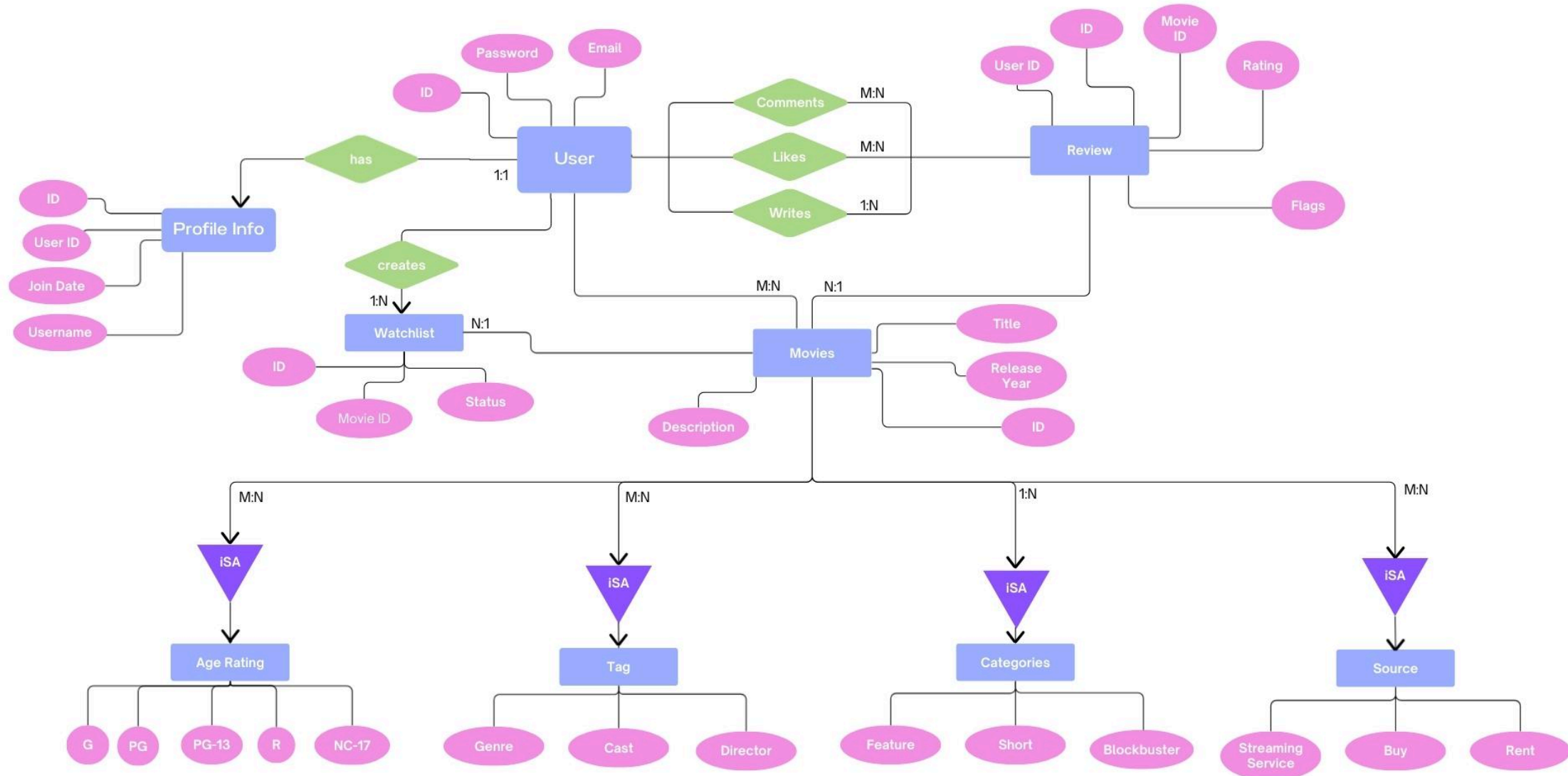
Intended Functionality:

The "Frame by Frame" system is meant to be a movie rating and recommendation platform that allows both individual and community interaction. From a user's perspective, it offers a single place to discover films, share opinions, and organize future viewing. The system's main aims are storing detailed information about movies, such as titles, genre, cast and directors. This information provides the foundation for browsing, searching and filtering movies according to the users' preferences.

In addition to storing movie details, the platform encourages user participation. Registered users have the possibility of creating accounts to share ideas, opinions and also make recommendations through ratings and comments, encouraging movie discussion and building communities. Reviews and ratings also contribute to aggregated scores, giving each movie a visible average rating within the system.

Moreover, the platform enables users to create and manage personalized watchlists. This feature helps them keep track of movies they plan to watch and organize them according to viewing priorities in a structured way. Tagging or categorising based on moods supports discovering films which better match specific themes or interests of the user.

Together, all these elements establish a system that is both functional and engaging, which combines reliable data storage with interactive features.

ER diagram(4 ISA hierarchies)

User interaction description:

- <u>Registration & Login</u>:
    Users can create an account and log in securely to access the
    platform. Incorrect login details will generate an error message.
- <u>Viewing Data</u>:
    Users can browse available movie entries. Each movie includes
    basic information such as title, genre, cast, director and release
    year.
- <u>Searching & Filtering</u>:
    Users can look up specific information in the system using
    keywords such as the title, the name of an actor or of a director.
- <u>Adding Reviews</u>:
    The user can write text reviews and provide star ratings for the
    movies. The reviews which are submitted to a corresponding
    movie will influence its overall rating.
- <u>Reading Reviews</u>:
    Users can read reviews left by others on each movie's page.
    Reviews may include the username of the reviewer, the rating
    and the written comment.
- <u>Problematic Behaviour:</u>
    When users attempt unauthorized edits, submit invalid reviews,
    or provide misleading ratings, the system flags these actions in
    the database. Flagged entries may be marked as invalid or
    pending moderation, logged with user details and timestamps,
    and excluded from overall rating calculations.