Frame by Frame

Movie Rating System

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Mapping:

The Frame by Frame ER diagram represents a movie recommendation and rating platform designed to focus on active user participation and community interaction. In our project, the User entity stores account credentials and links one-to-one with ProfileInfo, which records each member's join date and chosen username. Users can create multiple Watchlist entries to organise the movies they want to watch, and they can publish reviews through the Review entity. Reviews connect back to the Movie entity (a single user may write many reviews, while each review belongs to one movie), and community feedback is captured through Comments and Likes, allowing other users to respond directly to reviews.

At the core of our diagram, the Movie entity maintains essential information such as ID, title, release year and description. Around this core, several classification tables keep the data flexible and normalised. AgeRating stores standard classifications such as G, PG, PG-13, R and NC-17. Tags describe genre, cast or director, Categories identify types such as Feature, Short or Blockbuster; and Sources represent access channels such as streaming, purchase or rental. We designed it this way because separating these features into their own entities allows multiple tags, categories or sources to be linked to a single title and makes it straightforward to extend the model as new values emerge.

In our diagram, we aimed for an adaptable structure. This design mirrors the ER diagram and supports efficient browsing, filtering and recommending. By separating user interaction, movie details and classification data, the model remains well-organised and scalable to meet both the platform's current requirements and future expansion.