

NETFLIX DATABASE

Description

The database created is a simplified idea of 'Netflix' database. It consists of 21 tables created to save details about content, users, and how they interact.

One of the crucial entities of the database is 'Content.' It contains data about all the TV shows and movies. About each content we know: its ID, name, description, and a reference to age group, ensuring appropriate access and viewing restrictions (table 'AgeGroup' stores age group ID, name, and minimum age). Along with mentioned properties, database provides us with such information about each content as warning tags ('Sex,' 'Language,' 'Violence,' etc.), availability of subtitles or audio in particular languages, cast (actors that were playing in each of the contents), genres ('Thriller,' 'Comedy,' 'Drama,' etc.). *Many-to-many connections were used to store relations between these entities and 'Content.'* Table 'Promotion' saves information about trailers, recaps, and teasers of every content. (Promotion ID, name, and reference to a content).

Table 'Series' inherits 'Content.' It has information about series ID and status (if the TV show is completed, it stores 1, 0 — otherwise).

The 'Episode' entity stores information about episodes of all the TV shows. It has episode ID, reference to the series it belongs to, name, season, order number in the season, length, and release date.

Table 'Film' inherits 'Content' too. It stores data about all the movies have been added to the database. It can provide us with film ID, its length and release date.

Another significant entity is 'UserAccount'. It saves data about the platform users: user ID, name, surname, date of birth, email (is unique), password, reference to language and subscription ('Subscription' table has information about subscription name and number of allowed connected devices). The 'Device' table stores data about the devices of each user.

The 'Watched,' 'List,' and 'Liked' tables store information about content that users have started watching, added to their list, or liked, respectively.

Functional Requirements

1. The database should show all genres, warning tags, languages (for subtitles or audio) actors or promotions for a given content.
2. The database should show all the watched, added to list or liked contents by a given user.
3. The database should show suitable content for a given user, considering their age and language preferences. It should check for subtitles or audio in the user's language and verify whether the user meets age restrictions.
4. The database should show us contents ordered by number of their likes.
5. The database should show all the episodes along with their information for a given series.
6. The database should show if a given series is completed or not.
7. The database should show information about user's subscribing (name and number of devices that user is allowed to connect).
8. The database should show information about all the devices of a given user.