

DATABASE PROJECT

OTT (Over- The-Top) Platform

- Group Number : 2
- Team ID : 7
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Objective:

Design and implementation of an OTT Platform database. It will contain a wide array of information that will help users to browse various genres of movies, TV shows, etc. The primary goal of this database management project is to ensure that the platform can deliver a seamless and personalized viewing experience to users while ensuring data privacy and security.

Description:

Our OTT platform is a streaming service that offers a wide range of movies and TV shows to its users. The platform also provides a personalized viewing experience to users by recommending content based on their viewing history and preferences. Users can create an account on the platform and choose from different subscription plans to access premium content. The platform also offers a variety of payment gateways to facilitate easy and secure payments.

Users can browse and search for movies and TV shows by title, genre, release date, and cast. Each movie or TV show has a detailed description that includes information about its plot, cast, crew, duration, and content rating. Users can rate movies and TV shows, and view the ratings given by other users. The platform also provides information about content warnings, so that users can make informed decisions about what to watch. They can also add items to their watchlist, rate and review the content.

Cast information is also available on the platform, including the names of actors and their roles in movies and TV shows. Popular genres are highlighted to help users discover new content. Users can also create and manage their watchlist, and resume watching from where they left off.

Overall, the database for this OTT platform will store information related to users, subscription plans, videos, cast, ratings, content warnings, payment gateways, and more. The goal is to provide a seamless and personalized streaming experience to users, while ensuring security and privacy of their information. The database will enable efficient management of content, users, and payments, as well as facilitate accurate recommendations and ratings.

Tentative list of reports (Queries):

1. Display the top-rated movies in the particular genre with their titles, ratings, and release dates.
2. Show the average rating of the content directed by a particular director.
3. List the users who have subscribed to the "Premium" plan and their billing addresses.
4. Count the number of movies in the "Horror" genre with a rating of 7 or higher.
5. Retrieve the billing history of a specific user for the past month.
6. Calculate the total revenue of the platform for the current quarter.
7. Display the top 10 most popular genres based on the number of views and watchlists.
8. Show the actors/actresses who have appeared in the most watched movies on the platform.
9. Find the content with the highest number of user reviews and show its title, genre, and average rating.

10. List the users who have added "The Dark Knight" to their watchlist.
11. Retrieve the playback history of a specific user for the past week.
12. Report on user retention and churn, showing how many users are returning or canceling their subscription each month.
13. List of videos that have been watched the most by users in a particular age range, along with their ratings and content warnings.
14. List the movies or shows for a particular actor or actress with a particular genre or a particular rating.
15. List the top genres according to views and ratings.