

# SQL RSVP MOVIES CASE STUDY

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# Index

1. Introduction
2. Questions
3. Conclusion



# INTRODUCTION

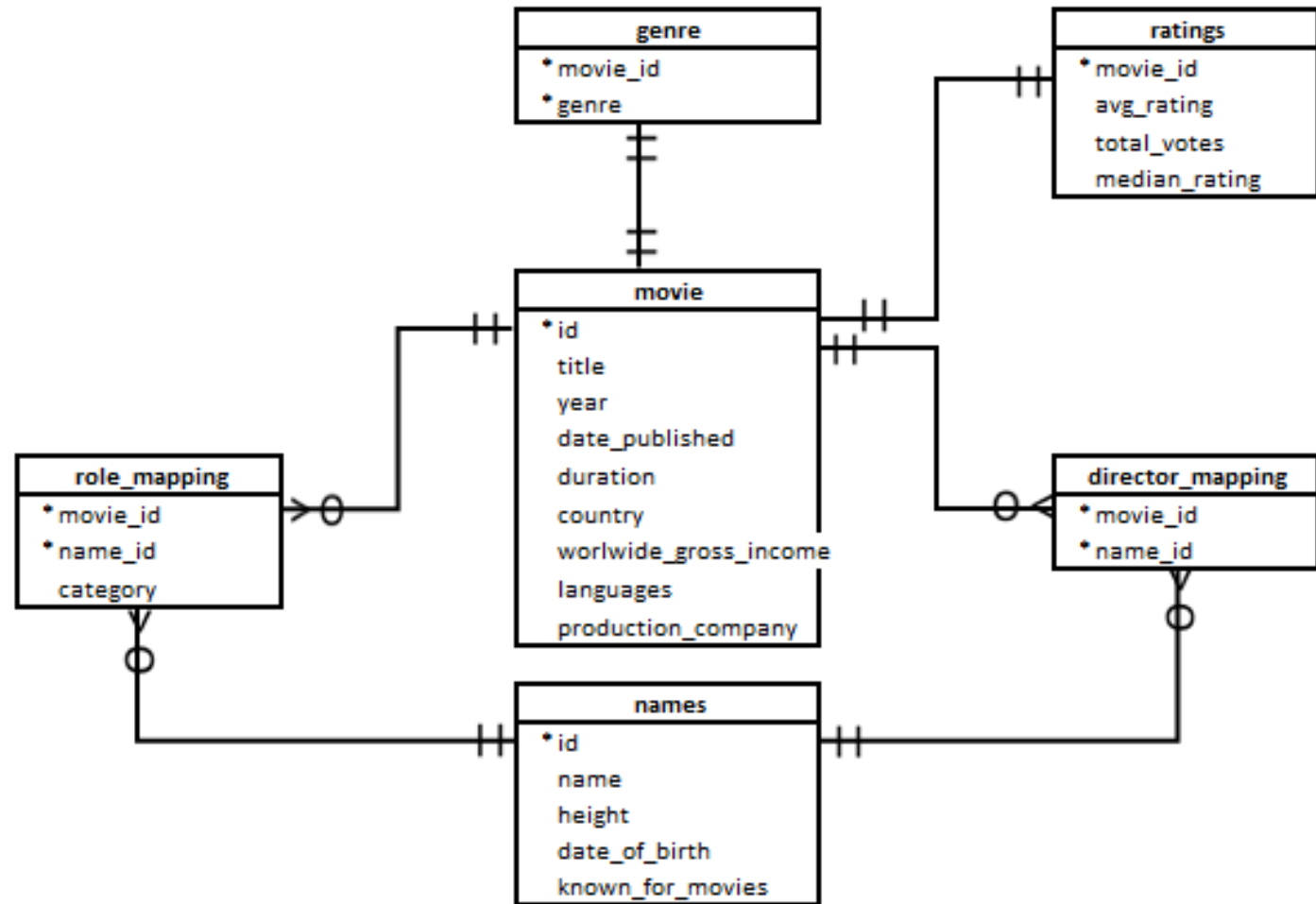


The RSVP\_Movies dataset serves as the foundation for a detailed case study led by **Gayatri Bhinge and Gayathry Sadananda Kaimal**. Through this analysis, the team seeks to uncover actionable insights that can drive strategic decisions and enhance understanding of industry trends.



# ERD

table	column
movie	id
movie	title
movie	year
movie	date_published
movie	duration
movie	country
movie	worldwide_gross_income
movie	languages
movie	production_company
genre	movie_id
genre	genre
director_mapping	movie_id
director_mapping	name_id
role_mapping	movie_id
role_mapping	name_id
role_mapping	category
names	id
names	name
names	height
names	date_of_birth
names	known_for_movies
ratings	movie_id
ratings	avg_rating
ratings	total_votes
ratings	median_rating





# QUESTIONS

- Q1. Find the total number of rows in each table of the schema
- Q2. Which columns in the movie table have null values?
- Q3. Find the total number of movies released each year? How does the trend look month wise? (Output expected)
- Q4. How many movies were produced in the USA or India in the year 2019??
- Q5. Find the unique list of the genres present in the data set?
- Q6. Which genre had the highest number of movies produced overall?
- Q7. How many movies belong to only one genre?
- Q8. What is the average duration of movies in each genre?
- Q9. What is the rank of the 'thriller' genre of movies among all the genres in terms of number of movies produced?
- Q10. Find the minimum and maximum values in each column of the ratings table except the movie\_id column?
- Q11. Which are the top 10 movies based on average rating?
- Q12. Summarise the ratings table based on the movie counts by median ratings.
- Q14. How many movies released in each genre during March 2017 in the USA had more than 1,000 votes?
- Q15. Find movies of each genre that start with the word 'The' and which have an average rating > 8?
- Q16. Of the movies released between 1 April 2018 and 1 April 2019, how many were given a median rating of 8?
- Q17. Do German movies get more votes than Italian movies?

- Q18. Which columns in the names table have null values??
- Q19. Who are the top three directors in the top three genres whose movies have an average rating > 8?
- Q20. Who are the top two actors whose movies have a median rating >= 8?
- Q21. Which are the top three production houses based on the number of votes received by their movies?
- Q22. Rank actors with movies released in India based on their average ratings. Which actor is at the top of the list?
- Q23. Find out the top five actresses in Hindi movies released in India based on their average ratings?
- Q24. Select thriller movies as per avg rating and classify them in the following category:
- Q25. What is the genre-wise running total and moving average of the average movie duration?
- Q26. Which are the five highest-grossing movies of each year that belong to the top three genres?
- Q27. Which are the top two production houses that have produced the highest number of hits (median rating >= 8) among multilingual movies?
- Q28. Who are the top 3 actresses based on number of Super Hit movies (average rating >8) in drama genre?
- Q29. Get the following details for top 9 directors (based on number of movies)  
Director id, Name, Number of movies, Average inter movie duration in days, Average movie ratings, Total votes, Min rating, Max rating, total movie durations

# Conclusions



- Given their higher number of votes compared to other production houses, Marvel Studios (ranked 1st), Twentieth Century Fox (ranked 2nd), or Warner Bros. can be selected as a global partner.
- Vijay Sethupathi can be hired as an additional actor for their next project, considering the total votes and the need for regional appeal.
- In 2019, a total of 1,078 movies were produced in the 'Drama' genre, indicating a significant market demand. Thus, RSVP Movies should consider focusing their next project on the 'Drama' genre.
- On average, the future project could run for approximately 107 minutes.



- Based on the dataset, we can foresee that Dream Warrior Pictures (ranked 1st) or National Theatre Live (ranked 2nd), or potentially both, might be the production company for their next project.
- James Mangold, Soubin Shahir, and Joe Russo are three top directors in the top three genres whose movies have an average rating greater than 8.
- Based on the median rating, Mammootty (Ranked 1st) or Mohanlal (Ranked 2nd) are suitable choices to consider for the Actor role in their next project.
- Taapsee Pannu's combination of total votes and average rating makes her a standout candidate for the actress role in their upcoming project.





The background of the slide is a collage of business-related documents and charts. It includes several sheets of paper with various types of graphs, such as bar charts, line graphs, and pie charts, drawn in blue and red ink. Some documents also feature tables and flowcharts. The papers are scattered across the slide, with some overlapping others. A large, white hexagonal shape is centered on the left side of the slide, containing the text "Thank You!!".

**Thank You!!**