

Data Modelling Assignment

1. Design Data Model for BookMyShow

We need to derive below mentioned business insights from the data model:

1. The most popular movie genres in specific locations.
2. The busiest time of the day/week for movie bookings.
3. The percentage of customers who book tickets for other events (like plays or concerts) after booking movie tickets.
4. The average number of tickets booked per transaction.
5. The rate of booking cancellations.
6. The impact of pricing on booking volume.
7. The correlation between star cast and movie bookings.
8. The number of new users acquired each month.
9. The most effective marketing campaigns in terms of user acquisition or revenue.
10. The revenue generated from each movie theatre.

Note: Prepare your data model and share the diagram in your solution along with the SQL queries for each problem statement.

2. Design Data Model for food delivery app like Zomato/Swiggy

We need to derive below mentioned business insights from the data model:

1. The most popular restaurants in specific locations.
2. The busiest times of day/week for food orders.
3. The average order value for each customer.
4. The average delivery time for each restaurant and/or delivery personnel.

5. The most commonly ordered cuisines.
6. The rate of order cancellations.
7. The impact of pricing and discounts on order volume.
8. The revenue generated from each restaurant.
9. The number of new customers acquired each month.
10. The most effective marketing campaigns in terms of user acquisition or revenue.

Note: Prepare your data model and share the diagram in your solution along with the SQL queries for each problem statement.

3. **Design Data Model for Airline Reservation System**

Think about the most common business insights which you can pull out from the data model.

Note: Prepare your optimal data model and share the diagram in your solution along with the SQL queries for each business insight

4. **Design Data Model for Healthcare application like Practo**

Think about the most common business insights which you can pull out from the data model.

Note: Prepare your optimal data model and share the diagram in your solution along with the SQL queries for each business insight