**Tables**

1. dim\_date
2. dim\_hotels
3. dim\_rooms
4. fact\_aggregated\_bookings
5. fact\_bookings

**Column Description for dim\_date:**

1. date: This column represents the dates present in May, June and July.

2. mmm yy: This column represents the date in the format of mmm yy (monthname year).

3. week no: This column represents the unique week number for that particular date.

4. day\_type: This column represents whether the given day is Weekend or Weekeday.

**Column Description for dim\_hotels:**

1. property\_id: This column represents the Unique ID for each of the hotels.

2. property\_name: This column represents the name of each hotel.

3. category: This column determines which class[Luxury, Business] a particular hotel/property belongs to.

4. city: This column represents where the particular hotel/property resides in.

**Column Description for dim\_rooms:**

1. room\_id: This column represents the type of room[RT1, RT2, RT3, RT4] in a hotel.

2. room\_class: This column represents to which class[Standard, Elite, Premium, Presidential] particular room type belongs.

**Column Description for fact\_aggregated\_bookings:**

1. property\_id: This column represents the Unique ID for each of the hotels.

2. check\_in\_date: This column represents all the check\_in\_dates of the customers.

3. room\_category: This column represents the type of room[RT1, RT2, RT3, RT4] in a hotel.

4. successful\_bookings: This column represents all the successful room bookings that happen for a particular room type in that hotel on that particular date.

5. capacity: This column represents the maximum count of rooms available for a particular room type in that hotel on that particular date.

**Column Description for fact\_bookings:**

1. booking\_id: This column represents the Unique Booking ID for each customer when they booked their rooms.

2. property\_id: This column represents the Unique ID for each of the hotels

3. booking\_date: This column represents the date on which the customer booked their rooms.

4. check\_in\_date: This column represents the date on which the customer check-in(entered) at the hotel.

5. check\_out\_date: This column represents the date on which the customer check-out(left) of the hotel.

6. no\_guests: This column represents the number of guests who stayed in a particular room in that hotel.

7. room\_category: This column represents the type of room[RT1, RT2, RT3, RT4] in a hotel.

8. booking\_platform: This column represents in which way the customer booked his room.

9. ratings\_given: This column represents the ratings given by the customer for hotel services.

10. booking\_status: This column represents whether the customer cancelled his booking[Cancelled], successfully stayed in the hotel[Checked Out] or booked his room but not stayed in the hotel[No show].

11. revenue\_generated: This column represents the amount of money generated by the hotel from a particular customer.

12. revenue\_realized: This column represents the final amount of money that goes to the hotel based on booking status. If the booking status is cancelled, then 40% of the revenue generated is deducted and the remaining is refunded to the customer. If the booking status is Checked Out/No show, then full revenue generated will goes to hotels.