

Night Gaming Café Web Application Online Booking Database

Mission Statement

The purpose of the Online Booking database is to gather information from the members of the café that makes a reservation for a VIP room booking and/or lounge booking online from the web application on a daily basis as well as to make the reservation information available to the admin so they can provide an appropriate live service according to the reservation day.

Mission Objective

Provide a list of reservations for VIP room booking.
Provide a list of reservations for lounge booking.
Match VIP room booking number with reservation number.
Match lounge booking number with reservation number.
Members can request for a reservation.
Members can view their current membership card balance.

Entity Relationship Model

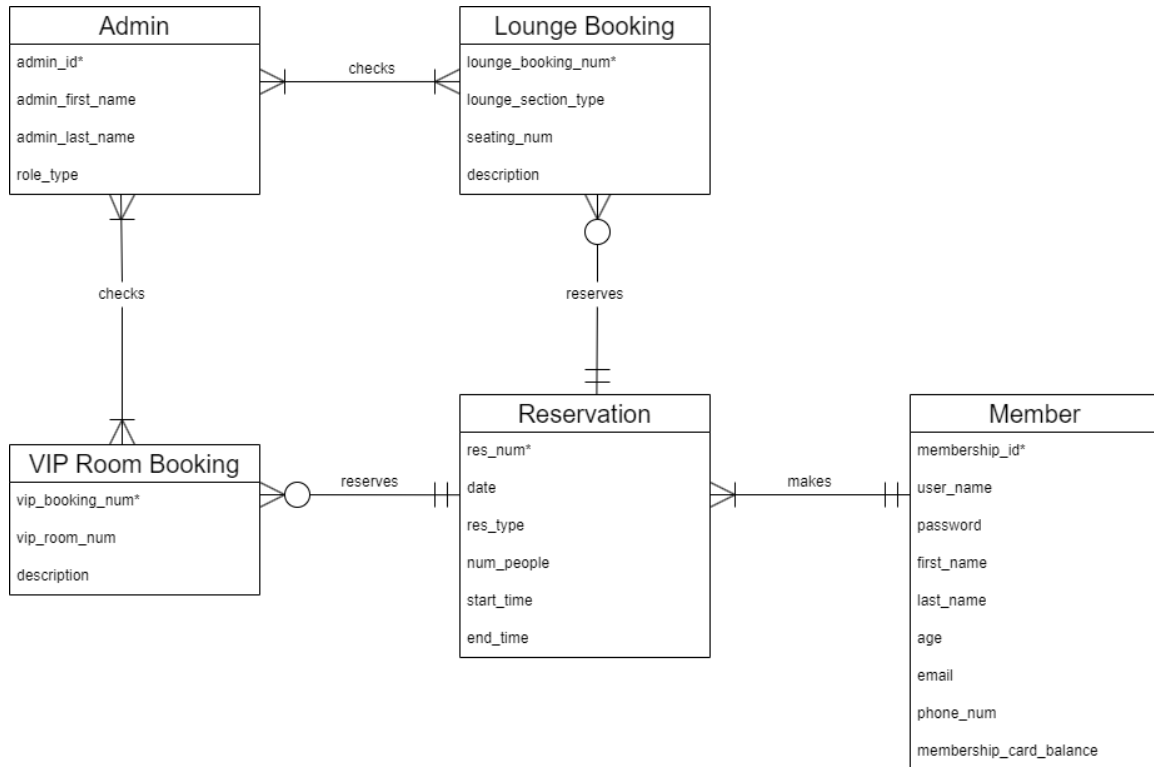
Entity Types:

- Member
- Reservation
- VIP Room Booking
- Lounge Booking
- Admin

Relationship between entities:

- A **member** must make one or more **reservations**; A **reservation** must have one and only one **member**.
- A **reservation** may reserve one or more **VIP room bookings**; A **VIP room booking** must belong to one and only one **reservation**.
- A **reservation** may reserve one or more **lounge booking**; A **lounge booking** must belong to one and only one **reservation**.
- An **admin** must check one or more **VIP room bookings**. A **VIP room booking** must be checked by one or more **admins**.
- An **admin** must check one or more **lounge bookings**. A **lounge booking** must be checked by one or more **admins**.

Entity Relationship Diagram



Relational Model

- Admin (admin_id, first_name, last_name, role_type)
- Lounge Booking (lounge_booking_num, lounge_section_type, seating_num, description)
- VIP Room Booking (vip_booking_num, vip_room_num, description)
- Reservation (res_num, date, res_type, num_people, start_time, end_time)
- Member (membership_id, user_name, password, first_name, last_name, age, email, phone_number, membership_card_balance, res_num(fk))
- admin_lounge booking (admin_id(fk), lounge_booking_num(fk))
- admining vip room booking (admin_id(fk), vip_booking_num(fk))
- vip room booking_reservation (vip_booking_num(fk), res_num(fk))
- lounge booking_reservation (lounge_booking_num(fk), res_num(fk))