Hotel Database

Required Input

The hotel Database is filled with the following Data:

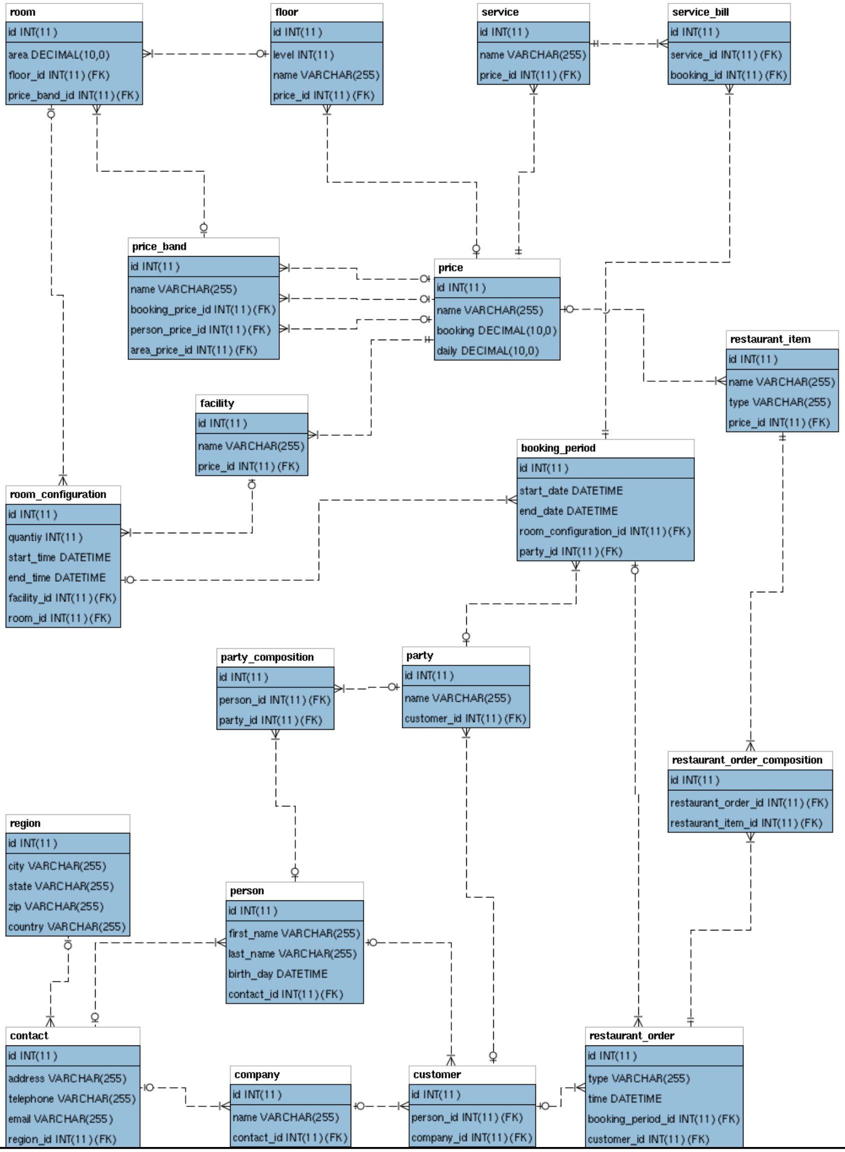
- floors
- rooms
- customers
- bookings
- room service usage
- restaurant orders
- types of facilities
- price bands

Required Output

The hotel Database provides the following Data:

- past, future and current bookings
- available rooms
- list of customers
- customer bill based on room, services and extras

Structure of the Database



room
id INT(11)
area DECIMAL(10,0)
floor_id INT(11) (FK)
price_band_id INT(11) (FK)

floor
id INT(11)
level INT(11)
name VARCHAR(255)
price_id INT(11) (FK)

service
id INT(11)
name VARCHAR(255)
price_id INT(11) (FK)

service_bill
id INT(11)
service_id INT(11) (FK)
booking_id INT(11) (FK)

price_band
id INT(11)
name VARCHAR(255)
booking_price_id INT(11) (FK)
person_price_id INT(11) (FK)
area_price_id INT(11) (FK)

price
id INT(11)
name VARCHAR(255)
booking DECIMAL(10,0)
daily DECIMAL(10,0)

restaurant_item
id INT(11)
name VARCHAR(255)
type VARCHAR(255)
price_id INT(11) (FK)

facility
id INT(11)
name VARCHAR(255)
price_id INT(11) (FK)

booking_period
id INT(11)
start_date DATETIME
end_date DATETIME
room_configuration_id INT(11) (FK)
party_id INT(11) (FK)

room_configuration
id INT(11)
quantiy INT(11)
start_time DATETIME
end_time DATETIME
facility_id INT(11) (FK)
room_id INT(11) (FK)

party_composition
id INT(11)
person_id INT(11) (FK)
party_id INT(11) (FK)

party
id INT(11)
name VARCHAR(255)
customer_id INT(11) (FK)

restaurant_order_composition
id INT(11)
restaurant_order_id INT(11) (FK)
restaurant_item_id INT(11) (FK)

region
id INT(11)
city VARCHAR(255)
state VARCHAR(255)
zip VARCHAR(255)
country VARCHAR(255)

person
id INT(11)
first_name VARCHAR(255)
last_name VARCHAR(255)
birth_day DATETIME
contact_id INT(11) (FK)

contact
id INT(11)
address VARCHAR(255)
telephone VARCHAR(255)
email VARCHAR(255)
region_id INT(11) (FK)

company
id INT(11)
name VARCHAR(255)
contact_id INT(11) (FK)

customer
id INT(11)
person_id INT(11) (FK)
company_id INT(11) (FK)

restaurant_order
id INT(11)
type VARCHAR(255)
time DATETIME
booking_period_id INT(11) (FK)
customer_id INT(11) (FK)