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;create database ReservationSystem

)create table category
, id int primary key
name varchar(50) not null
;(

)create table restaurant
, id int primary key
,category_id int
,(foreign key(category_id) references category(id
, name varchar(200) not null
, city varchar(100) not null
, address varchar(200) not null
(description varchar(400
;(

)create table table_info
,id int primary key
,restaurant_id int not null
,(foreign key (restaurant_id) references restaurant(id
,capacity int not null default 2
,( 'type varchar(7) check ( type='vip' or type='regular
,is_outdoor boolean default false
status varchar(9) check ( status='available' or
,( 'status='booked
table_number int not null
;(

)create table booking
, id int primary key
, table_id int not null
,(foreign key (table_id)references table_info(id
, user_id int not null
,(foreign key (user_id)references user(id
,date timestamp not null
, time time not null
status varchar(7) not null check ( status='pending' or
( 'status='approve' or status='cancel
;(

)create table rating
, id int primary key
,booking_id int not null
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, (foreign key (booking_id) references booking(id
, ( rating int not null check ( rating>=1 and rating<=5
(text varchar(400
;(

)create table user
, id int primary key
, email varchar(30) not null unique
, password varchar(30) not null
username varchar(30)not null unique

;(

insert into category (id, name) values
, ('italian' ,1)
, ('chinese' ,2)
, ('indian' ,3)
, ('mexican' ,4)

insert into restaurant (id, category_id, name, city, address,
description) values
la dolce vita', 'riyadh', 'via roma 100', 'traditional' ,1 ,1)
, ('italian cuisine
great wall', 'jeddah', 'chang an ave 50', 'authentic' ,2 ,2)
, ('chinese food
curry house', 'damam', 'connaught place', 'delicious' ,3 ,3)
, ('indian curry
el camino', 'riyadh', 'calle 123', 'mexican street' ,4 ,4)
; ('food

insert into table_info (id, restaurant_id, capacity, type,
is_outdoor, status, table_number) values
, (vip', false, 'available', 1' ,4 ,1 ,1)
, (regular', true, 'booked', 2' ,2 ,1 ,2)
, (regular', false, 'available', 1' ,6 ,2 ,3)
; (vip', true, 'available', 2' ,4 ,3 ,4)

insert into user (id, email, password, username) values
, ('sara.doe@example.com', 'password123', 'sara' ,1)
, ('nora.f@example.com', 'securepassword', 'nora55' ,2)
, ('lolo.b@example.com', 'mypassword', 'lolo99' ,3)
; ('salem@example.com', 'secretpassword', 'salem aa' ,4)

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insert into booking (id, table_id, user_id, date, time,
status) values
,('pending' , '18:30:00' , '18:30:00 2024-12-01' , 1 , 1 , 1)
,('approve' , '19:00:00' , '19:00:00 2024-12-02' , 2 , 2 , 2)
,('cancel' , '20:00:00' , '20:00:00 2024-12-03' , 3 , 3 , 3)
;('pending' , '21:00:00' , '21:00:00 2024-12-04' , 4 , 4 , 4)

insert into rating (id, booking_id, rating, text) values
,('!excellent service and food' , 5 , 1 , 1)
great atmosphere but the food was a little' , 4 , 2 , 2)
,('.salty
,('.not a great experience, food was cold' , 2 , 3 , 3)
;('good overall but the wait was too long' , 3 , 4 , 4)

select#
;select * from category
;'select * from restaurant where city='riyadh
;select id ,status from table_info
;select booking_id ,rating from rating where rating>4

update#
;update category set name = 'american'where id = 5
update restaurant set name = 'pizza and more', city = 'venice'
;where id = 5
update booking set status = 'approve', date = '2024-12-06
;19:00:00' where id = 5
update rating set rating = 5, text = 'excellent, very
;satisfied!' where id = 5

delete#
;delete from category where id = 5
;delete from restaurant where id = 5
;delete from booking where id = 5
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