plane_type_seat_type

PK	id int
FK	plane_type_id int NN
FK	seat_type_id int NN
	quantity int NN

seat_type

PK	id int
	seat_type varchar(15) NN

airport

PK	id
	code varchar(3) NN
	address varchar(200) NN

plane_type

PK	id int
	plane_name varchar(30) NN

plane

PK	id int
FK	plane_type_id int NN

scheduled_flight

PK	id int
	departure_time timestamp NN
	arrival_time timestamp NN
FK	plane_id int NN
FK	departure_airport_id int NN
FK	arrival_airport_id int NN
FK	overbooking_id int NN

flight_history

PK	id int
FK	scheduled_flight_id int NN
FK	plane_id NN
	actual_departure_time timestamp
	actual_arrival_time timestamp

passenger

PK	id int
	passenger_name varchar(100) NN
	passport_id varchar(9)
	phone varchar(15) NN
	email varchar(200)
	address varchar(200) NN

overbooking_rate

PK	id int
	rate decimal(2,2) NN

reservation

PK	id int
FK	scheduled_flight_id int NN
FK	passenger_id int NN
	ticket_cost decimal(5, 2) NN

payment

PK	id int
FK	reservation_id int NN
	amount decimal(5,2) NN

product

PK	id int
	concession_name varchar(200) NN
	price decimal(5,2) NN

concession_purchase

PK	id int
FK	payment_id int NN
FK	seat_id int NN

seat

PK	id int
FK	reservation_id int NN
FK	seat_type_id int NN
	printed_boarding_pass_at timestamp
	seat_number int
FK	passenger_id int

concession_purchase_product

PK	id int
FK	product_id int NN
FK	concession_purchase_id int NN
	quantity int NN

Check constraints:
product.price, reservation.ticket_cost, and overbooking_rate.rate must be greater than or equal to 0; scheduled_flight.arrival_time must be after scheduled_flight.departure_time; flight_history.actual_arrival_time must be after flight_history.actual_departure_time; scheduled_flight.departure_airport_id and scheduled_flight.arrival_airport_id must not be the same in one row

Unique constraints: product.concession_name, overbooking_rate.rate, plane_type.plane_name, and seat_type.seat_type must be unique