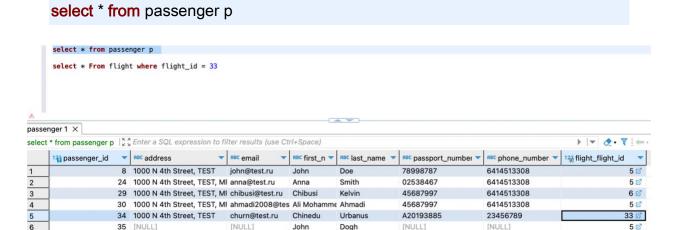
2.4 SQL Queries: Homework

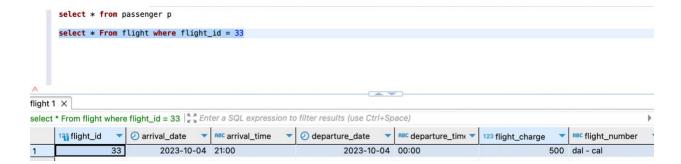
In the Flight Search UI of the educational application, you should find some valid data.

- 1. Check in the database passengers who booked flight number 1, go back to the UI and search for these passengers with IDs which you found in the database. What query did you use? Does the UI work?
- 2. Add a new flight. What query did you use?
- 3. Add passengers to this flight. What query did you use?
- 4. Search this flight and passengers on the UI. Does the UI work?
- 5. Now move one of the passengers to another flight. What query did you use? Is it possible to find this passenger with the old flight number? With the new one?
- 1. Check in the database passengers who booked flight number 1, go back to the UI and search for these passengers with IDs which you found in the database. What query did you use? Does the UI work?
 - 1.1. Checked all passengers on my BD to choose any passenger (I've choose to work with passenger id = 34, flight flight id = 33):



1.2. Selected flight with flight_id = 33

select * From flight where flight_id = 33



1.3. Also tried this query, which is more convenient and optimal according to the UI:

select passenger_id, flight_flight_id From passenger p
where flight_flight_id IS NOT NULL



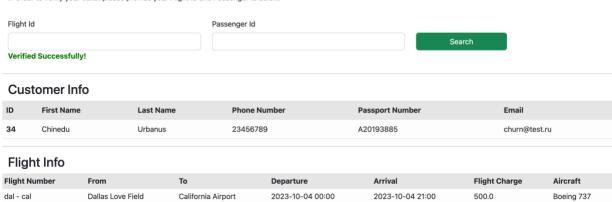
1.4. Checked on the UI that everything works for passenger_id = 34, flight_flight_id = 33:

Verify Booking

In order to verify your ticket please provide your Flight Id and Passenger Id below.

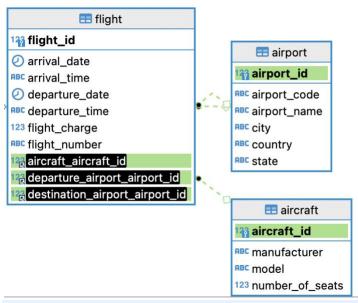


In order to verify your ticket please provide your Flight Id and Passenger Id below.



2. Add a new flight. What query did you use?

First, I've checked which fields we have in the table flight. Next, I've checked which airports and aircrafts I have in my DB to use the information in my query.

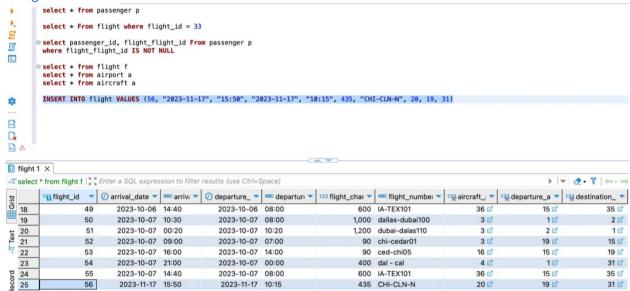


INSERT INTO flight (flight_id, arrival_date, arrival_time, departure_date, departure_time, flight_charge, flight_number, aircraft_aircraft_id, departure_airport_airport_id, destination_airport_airport_id) VALUES (56, "2023-11-17", "15:50", "2023-11-17", "10:15", 435, "CHI-CLN-N", 20, 19, 31)

or

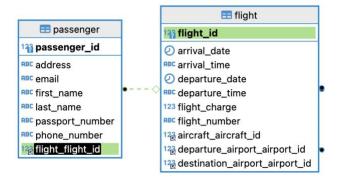
INSERT INTO flight VALUES (56, "2023-11-17", "15:50", "2023-11-17", "10:15", 435, "CHI-CLN-N", 20, 19, 31)

I've got the same result:



3. Add passengers to this flight. What query did you use?

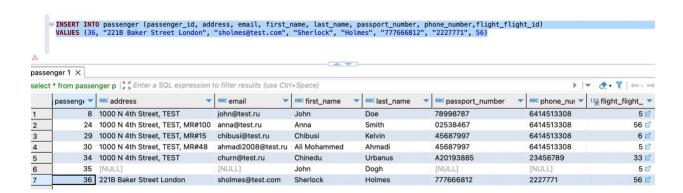
First, I've checked which fields we have in the table passenger. Previously added flight_id = 56.



Added 1 passenger:

INSERT INTO passenger (passenger_id, address, email, first_name, last_name, passport_number, phone_number,flight_flight_id)

VALUES (36, "221B Baker Street London", "sholmes@test.com", "Sherlock", "Holmes", "777666812", "2227771", 56)



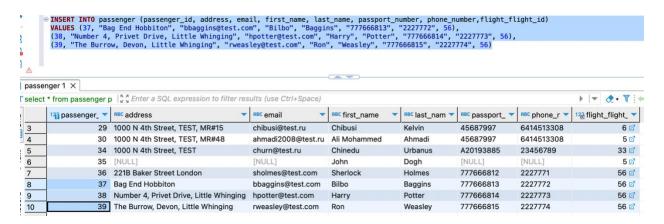
Then added 3 passengers at time:

INSERT INTO passenger (passenger_id, address, email, first_name, last_name, passport_number, phone_number,flight_flight_id)

VALUES (37, "Bag End Hobbiton", "bbaggins@test.com", "Bilbo", "Baggins", "777666813", "2227772", 56),

(38, "Number 4, Privet Drive, Little Whinging", "hpotter@test.com", "Harry", "Potter", "777666814", "2227773", 56),

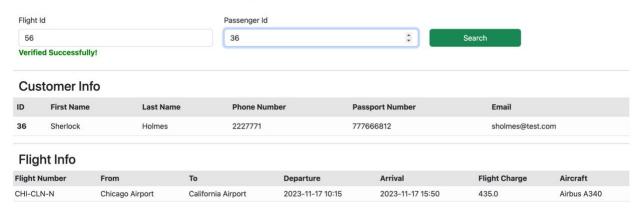
(39, "The Burrow, Devon, Little Whinging", "rweasley@test.com", "Ron", "Weasley", "777666815", "2227774", 56)



4. Search this flight and passengers on the UI. Does the UI work?

The UI works for all 4 passengers. Checked on the UI – Flight ID = 56, Passenger ID = 36, 37, 38, 39 - everything works.

In order to verify your ticket please provide your Flight Id and Passenger Id below.



Verify Booking

In order to verify your ticket please provide your Flight Id and Passenger Id below.



Customer Info

ID	First Name	Last Name	Phone Number	Passport Number	Email
37	Bilbo	Baggins	2227772	777666813	bbaggins@test.com

Flight Info

Flight Number	From	То	Departure	Arrival	Flight Charge	Aircraft
CHI-CLN-N	Chicago Airport	California Airport	2023-11-17 10:15	2023-11-17 15:50	435.0	Airbus A340

Verify Booking

In order to verify your ticket please provide your Flight Id and Passenger Id below.



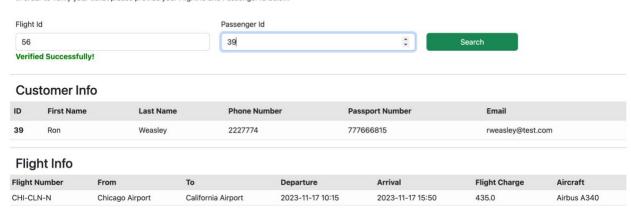
Customer Info

ID	First Name	Last Name	Phone Number	Passport Number	Email
38	Harry	Potter	2227773	777666814	hpotter@test.com

Flight Info

Flight Number	From	То	Departure	Arrival	Flight Charge	Aircraft
CHI-CLN-N	Chicago Airport	California Airport	2023-11-17 10:15	2023-11-17 15:50	435.0	Airbus A340

In order to verify your ticket please provide your Flight Id and Passenger Id below.



5. Now move one of the passengers to another flight. What query did you use? Is it possible to find this passenger with the old flight number? With the new one?

Executed this one (5) before number 3. So used existing passenger, not newly added. I hope it's not a problem:)

We have One-to-Many relationship (passenger - flight). Thus, we should update information about the passenger. I've choose passenger with passenger id = 24.

Before:



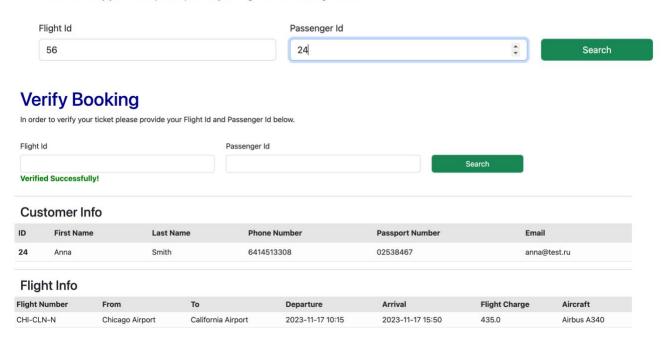
UPDATE passenger **SET** flight flight id = 56

WHERE passenger_id = 24



Checked on the UI – Flight ID = 56 (the new one), Passenger ID = 24 - everything works:

In order to verify your ticket please provide your Flight Id and Passenger Id below.



Checked on the UI - Flight ID = 5 (the old one), Passenger ID = 24 - not possible to find this passenger.

Verify Booking

In order to verify your ticket please provide your Flight Id and Passenger Id below.



Passenger 24 was Not Found