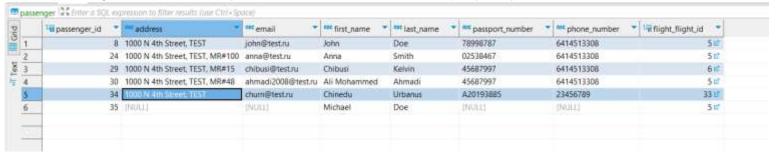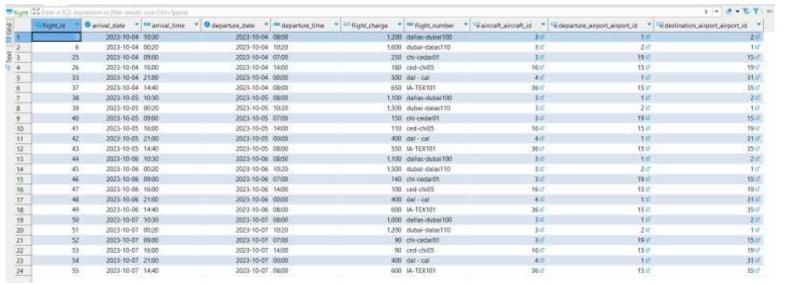In the Flight Search UI of the educational application, you should find some valid data.

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?

	passenger_id	address	email	first_name	last_name	passport_number	phone_number	flight_flight_id
1	8	1000 N 4th Street, TEST	john@test.ru	John	Doe	78998787	6414513308	5
2	24	1000 N 4th Street, TEST, MR#100	anna@test.ru	Anna	Smith	02538467	6414513308	5
3	29	1000 N 4th Street, TEST, MR#15	chibusi@test.ru	Chibusi	Kelvin	45687997	6414513308	6
4	30	1000 N 4th Street, TEST, MR#48	ahmadi2008@test.ru	Ali Mohammed	Ahmadi	45687997	6414513308	5
5	34	1000 N 4th Street, TEST	chum@test.ru	Chinedu	Urbanus	A20193885	23456789	33
6	35	[NULL]	[NULL]	Michael	Doe	[NULL]	[NULL]	5

In order to find the answer, we need to watch a video from our workshop. At the end, there was a question about our HW. According to it, we do not need to have a request with a blank answer. We do not need to do new data, just take ours, which already exist . For example in my database there is no flight with flight_id =1 also. We need to make requests with another data.
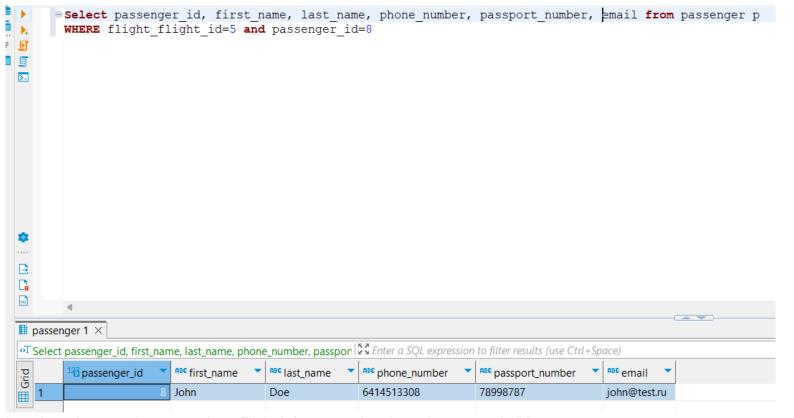
flight_id	arrival_date	arrival_time	departure_date	departure_time	flight_charge	flight_number	aircraft_aircraft_id	departure_airport_airport_id	destination_airport_airport_id
1	2023-10-04 10:30		2023-10-04 08:00		1,200	dallas-dubai100	3	1	2
2 6	2023-10-04 00:20		2023-10-04 10:20		1,600	dubai-dalas110	3	2	1
3 25	2023-10-04 09:00		2023-10-04 07:00		250	chi-cedar01	3	19	15
4 26	2023-10-04 16:00		2023-10-04 14:00		180	ced-chi05	16	15	19
5 33	2023-10-04 21:00		2023-10-04 00:00		500	dal - cai	4	1	31
6 37	2023-10-04 14:40		2023-10-04 08:00		650	IA-TEX101	36	15	35
7 38	2023-10-05 10:30		2023-10-05 08:00		1,100	dallas-dubai100	3	1	2
8 39	2023-10-05 00:20		2023-10-05 10:20		1,500	dubai-dalas110	3	2	1
9 40	2023-10-05 09:00		2023-10-05 07:00		150	chi-cedar01	3	19	15
10 41	2023-10-05 16:00		2023-10-05 14:00		110	ced-chi05	16	15	19
11 42	2023-10-05 21:00		2023-10-05 00:00		400	dal - cai	4	1	31
12 43	2023-10-05 14:40		2023-10-05 08:00		550	IA-TEX101	36	15	35
13 44	2023-10-06 10:30		2023-10-06 08:00		1,100	dallas-dubai100	3	1	2
14 45	2023-10-06 00:20		2023-10-06 10:20		1,500	dubai-dalas110	3	2	1
15 46	2023-10-06 09:00		2023-10-06 07:00		140	chi-cedar01	3	19	15
16 47	2023-10-06 16:00		2023-10-06 14:00		100	ced-chi05	16	15	19
17 48	2023-10-06 21:00		2023-10-06 00:00		400	dal - cai	4	1	31
18 49	2023-10-06 14:40		2023-10-06 08:00		600	IA-TEX101	36	15	35
19 50	2023-10-07 10:30		2023-10-07 08:00		1,000	dallas-dubai100	3	1	2
20 51	2023-10-07 00:20		2023-10-07 10:20		1,200	dubai-dalas110	3	2	1
21 52	2023-10-07 09:00		2023-10-07 07:00		90	chi-cedar01	3	19	15
22 53	2023-10-07 16:00		2023-10-07 14:00		90	ced-chi05	16	15	19
23 54	2023-10-07 21:00		2023-10-07 00:00		400	dal - cai	4	1	31
24 55	2023-10-07 14:40		2023-10-07 08:00		600	IA-TEX101	36	15	35

Let us take request with flight_id=5 and passenger_id=8. Because we also have passenger with such flight_id in table passengers . What we can see :
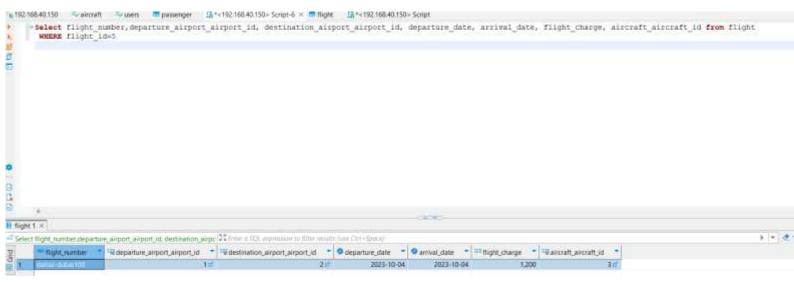
Customer Info

ID	First Name	Last Name	Phone Number	Passport Number	Email
8	John	Doe	6414513308	78998787	john@test.ru

Flight Info

Flight Number	From	To	Departure	Arrival	Flight Charge	Aircraft
dallas-dubai100	Dallas Love Field	Dubai Creek SPB	2023-10-04 08:00	2023-10-04 10:30	1200.0	Boeing 307

In order to have such answer about Customer Info we need to do such requests in DB:
Select passenger_id, first_name, last_name, phone_number, passport_number
email from passenger p
WHERE flight_flight_id=5 and passenger_id=8

```
Select passenger_id, first_name, last_name, phone_number, passport_number, email from passenger p
WHERE flight_flight_id=5 and passenger_id=8
```

passenger_id	first_name	last_name	phone_number	passport_number	email
8	John	Doe	6414513308	78998787	john@test.ru

In order to have such answer about Flight Info we need to do such requests in DB:

```
Select flight_number,departure_airport_airport_id, destination_airport_airport_id, departure_date,
arrival_date, flight_charge, aircraft_aircraft_id from flight
WHERE flight_id=5
```



```
Select flight_number,departure_airport_airport_id, destination_airport_airport_id, departure_date, arrival_date, flight_charge, aircraft_aircraft_id from flight
WHERE flight_id=5
```

flight_number	departure_airport_airport_id	destination_airport_airport_id	departure_date	arrival_date	flight_charge	aircraft_aircraft_id
dallas-dubai100	1	2	2023-10-04	2023-10-04	1,200	3

We need somehow to request names from related tables, to have such data instead of numbers
```
Select flight_number, (Select airport_name from airport where airport_id=1), (select airport_name
FROM airport WHERE airport_id = 2)
departure_airport_airport_id, destination_airport_airport_id, departure_date, arrival_date,
flight_charge, (select model from aircraft where aircraft_id=3) from flight
WHERE flight_id=5
```

Flight Info

Flight Number	From	To	Departure	Arrival	Flight Charge	Aircraft
dallas-dubai100	Dallas Love Field	Dubai Creek SPB	2023-10-04 08:00	2023-10-04 10:30	1200.0	Boeing 307

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

```sql
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,'2023-10-07', '15:00', '2023-10-07', '09:00', 100, 'IA-TEX101', 36, 15, 35 )
```


We can see new flight with flight_id=56 in table flight now

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

```sql
insert into passenger ( address,  email, first_name, last_name, passport_number, phone_number,
flight_flight_id)
values ('1000 N 14th Street, 145','ira@mail.ru','irina','kursova',78991231,6414514578,56 );
```

passenger Enter a SQL expression to filter results (use Ctrl+Space)

# passenger_id	# address	# email	# first_name	# last_name	# passport_number	# phone_number	# flight_flight_id
1	3	1000 N 4th Street, TEST	john@test.ru	John	Doe	78998787	6414513308	5
2	24	1000 N 4th Street, TEST, MR#100	anna@test.ru	Anna	Smith	02538467	6414513308	5
3	29	1000 N 4th Street, TEST, MR#15	chibusi@test.ru	Chibusi	Kelvin	45687997	6414513308	6
4	30	1000 N 4th Street, TEST, MR#48	ahmadi2008@test.ru	Ali Mohammed	Ahmadi	45687997	6414513308	5
5	34	1000 N 4th Street, TEST	churn@test.ru	Chinedu	Urbanus	A20193885	23456789	33
6	35	[NULL]	[NULL]	Michael	Doe	[NULL]	[NULL]	5
7	36	1000 N 14th Street, 145	ira@mail.ru	irina	kursova	78991231	6414514578	56

```sql
insert into passenger ( address,  email, first_name, last_name, passport_number, phone_number,
flight_flight_id)
values ('1000 N 14th Street, 155','mark@mail.ru','mark','kursov',78991232,6414514578,56 );
```

passenger Enter a SQL expression to filter results (use Ctrl+Space)

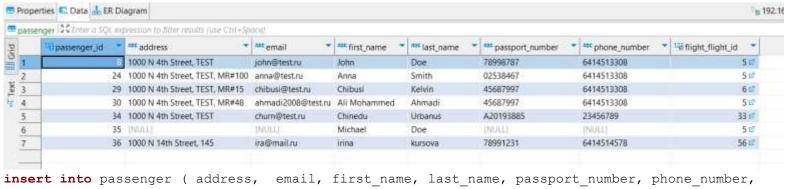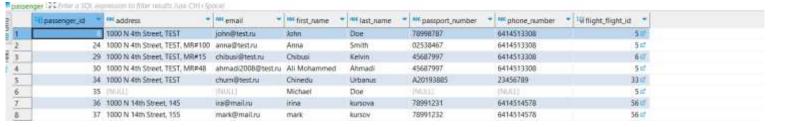| passenger_id	address	email	first_name	last_name	passport_number	phone_number	flight_flight_id
1	3	1000 N 4th Street, TEST	john@test.ru	John	Doe	78998787	6414513308	5
2	24	1000 N 4th Street, TEST, MR#100	anna@test.ru	Anna	Smith	02538467	6414513308	5
3	29	1000 N 4th Street, TEST, MR#15	chibusi@test.ru	Chibusi	Kelvin	45687997	6414513308	6
4	30	1000 N 4th Street, TEST, MR#48	ahmadi2008@test.ru	Ali Mohammed	Ahmadi	45687997	6414513308	5
5	34	1000 N 4th Street, TEST	churn@test.ru	Chinedu	Urbanus	A20193885	23456789	33
6	35	[NULL]	[NULL]	Michael	Doe	[NULL]	[NULL]	5
7	36	1000 N 14th Street, 145	ira@mail.ru	irina	kursova	78991231	6414514578	56
8	37	1000 N 14th Street, 155	mark@mail.ru	mark	kursov	78991232	6414514578	56

4)Search this flight and passengers on the UI. Does the UI work?
UI works correct with such data.

Let us look for a passenger with Flight id=56 and passenger id =36

← → C ⚠ Not secure 192.168.40.100:8108/flight/book/verify

✕ FTB   Home   Flights   Search Flight   Verify Booking   Login

Verify Booking

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

Flight Id   Passenger Id

56   36   Search

Verified Successfully!

← → C ⚠ Not secure 192.168.40.100:8108/flight/book/verify

✕ FTB   Home   Flights   Search Flight   Verify Booking   Login

Verify Booking

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

Flight Id   Passenger Id

                                                                                         Search

Verified Successfully!

Customer Info

ID	First Name	Last Name	Phone Number	Passport Number	Email
36	irina	kursova	6414514578	78991231	ira@mail.ru

Flight Info

Flight Number	From	To	Departure	Arrival	Flight Charge	Aircraft
IA-TEX101	Cedar Rapid Airport	Texas Airport	2023-10-07 09:00	2023-10-07 15:00	100.0	Boeing 201

Let us look for a passenger with Flight id=56 and passenger id =37

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?

```
update passenger p
set flight_flight_id = 33
WHERE passenger_id= 37
```

Properties | Data | ER Diagram   192.168.40.

passenger | Enter a SQL expression to filter results (use Ctrl+Space)

passenger_id	address	email	first_name	last_name	passport_number	phone_number	flight_flight_id
1	1000 N 4th Street, TEST	john@test.ru	John	Doe	78998787	6414513308	5
2	24 1000 N 4th Street, TEST, MR#100	anna@test.ru	Anna	Smith	02538467	6414513308	5
3	29 1000 N 4th Street, TEST, MR#15	chibusi@test.ru	Chibusi	Kelvin	45687997	6414513308	6
4	30 1000 N 4th Street, TEST, MR#48	ahmadi2008@test.ru Ali Mohammed	Ahmadi	45687997	6414513308	5
5	34 1000 N 4th Street, TEST	chum@test.ru	Chinedu	Urbanus	A20193885	23456789	33
6	35 [NULL]	[NULL]	Michael	Doe	[NULL]	[NULL]	5
7	36 1000 N 14th Street, 145	ira@mail.ru	irina	kursova	78991231	6414514578	56
8	37 1000 N 14th Street, 155	mark@mail.ru	mark	kursov	78991232	6414514578	33

Let us try to find this passenger with the old flight number

FTB   Home   Flights   Search Flight   Verify Booking   Login

Verify Booking

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

Flight Id   Passenger Id

[   ]   [   ]   [Search]

Passenger 37 was Not Found

Let us try to find this passenger with new flight number

FTB   Home   Flights   Search Flight   Verify Booking   Login

Verify Booking

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

Flight Id   Passenger Id

[33   ]   [37   ] ⇕   [Search]

All is ok with new data

FTB   Home   Flights   Search Flight   Verify Booking   Login

Verify Booking

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

Flight Id   Passenger Id

[   ]   [   ]   [Search]

Verified Successfully!

Customer Info

ID	First Name	Last Name	Phone Number	Passport Number	Email
37	mark	kursov	6414514578	78991232	mark@mail.ru

Flight Info

Flight Number	From	To	Departure	Arrival	Flight Charge	Aircraft
dal - cal	Dallas Love Field	California Airport	2023-10-04 00:00	2023-10-04 21:00	500.0	Boeing 737