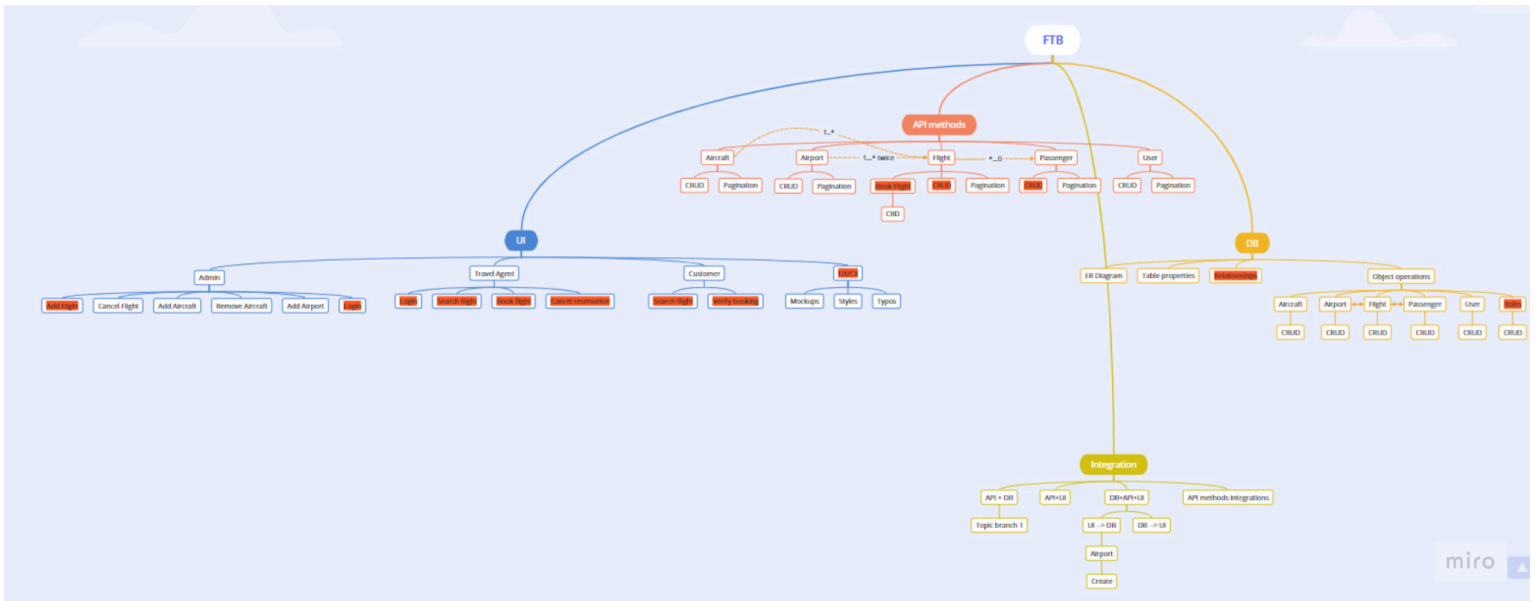


Here is the scheme for FTB.



FTB Requirements

FTB API Requirements (Swagger)

Prepare a full mindmap of FTB features according to the requirements.

Prepare the list of questions to a developer.

1 According to FTB requirements we have:

FTB System Functionalities

- Schedule Flights
- Book Flights
- Search Available Flights
- Verify Booking

1.1. For Admin:

According to UI of FTB application , admin also can :

Add, edit, delete airports

Airports List

Add Airp

ID	Airport Code	Airport Name	City	State	Country		
136		New Heathrow	London		UK	Delete	Edit
229	aab	!aa	sdfsd	sdfsd	sdfs	Delete	Edit
251	1v	54545345345	112233		112233	Delete	Edit
276	AAA-999	AA!	sdfs	sdfsd	dsfsdf	Delete	Edit
123	AAA5	AAA	sdfsdf	dfsdf	sdfsdf	Delete	Edit

According to FTB application , admin also can :

Add, edit, delete aircrafts

Aircrafts List

Add Aircra

ID	Manufacturer	Model	Number of seats		
1098				Edit	Delete
1095				Edit	Delete
1096				Edit	Delete
1094				Edit	Delete
1097				Edit	Delete

According to FTB application , admin also can :

Flights List

Add Flight

Flight ID	Number	From	To	Departure	Arrival	Gate	Status	Flight Charge	Available		
									Aircraft	Seats	
1	ZY-8171	string	Gladys Eeya	2022-09-25 Sun Sep 25 00:22:33 UTC 2022	2022-09-26 Sun Sep 25 01:26:09 UTC 2022			746.8465246989646	Il-2	-5/1	<div>Cancel</div>
8	WY-6811	Chicago Airport	Chicago Airport	2022-09-25 Sat Sep 24 18:38:19 UTC 2022	2022-09-27 Sun Sep 25 15:38:01 UTC 2022			54.71442346861982	Tu-204	562/575	<div>Cancel</div>
10	LD-6875	Gladys Eeya	Sally Mander	2022-09-25 Sun Sep 25 08:55:01 UTC 2022	2022-09-27 Sun Sep 25 07:54:11 UTC 2022			412.7911070439199	B-787	335/350	<div>Cancel</div>
9	IB-3042	Chicago Airport	Hy Ball	2022-10-09 Sun Sep 25 07:18:57 UTC 2022	2022-10-10 Sun Sep 25 01:06:28 UTC 2022			255.41547111318354	Su-35	259/263	<div>Cancel</div>
17	JE-9752	Therese R. Green	Hy Ball	2022-10-13 Fri Oct 14 02:32:49 UTC 2022	2022-10-14 Thu Oct 13 20:16:56 UTC 2022			36.494411168944936	Yak-42	45/50	<div>Cancel</div>

and see passengers on the current flight

Passengers List for flight LD-6875

ID	First Name	Last Name	Phone Number	Passport Number	Email	Address
8	Dennis	Schaefer	1-625-842-0515 x22489	0945 550994	kortney.hegmann@example.com	Apt. 251 0071 Delbert Green, West Sammyburgh, NJ 88255
26	Adrianna	Thompson	1-237-289-6224 x2095	8472 059046	junior.hessel@example.com	232 Jeromy Villages, Namouth, FL 35916-8978
206	Travis	Sawayn	1-389-988-4752 x5533	6564 564838	russel.dickens@example.com	5828 Rochel M. L. F. S.

search Flights

Search a Flight

From

Nick Overtime

To

Nick Overtime

Departure Time

mm/dd/yyyy

📅

Search

And verify booking

Verify Booking

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

Flight Id

Passenger Id

Search

Maybe it is better to divide the description for every user separately.

Requirements should contain:

FTB system functionalities for Admin:

Login

Add, edit, delete airports, aircrafts

Schedule flights(add, cancel and see passengers on the current flight)

Search available flights

Verify booking.

1.2 Travel agent can

login

Travel agent can see flights

Flights

Flight ID	Number	From	To	Departure	Arrival	Status	Gate	Flight Charge	Available	
									Aircraft	Seats
1	ZY-8171	string \ LED	Gladys Eeya / FAPG	2022-09-25 Sun Sep 25 00:22:33 UTC 2022	2022-09-26 Sun Sep 25 01:26:09 UTC 2022			746.8465246989646	Il-2	-5/1
8	WY-6811	Chicago Airport \ CHI	Chicago Airport / CHI	2022-09-25 Sat Sep 24 18:38:19 UTC 2022	2022-09-27 Sun Sep 25 15:38:01 UTC 2022			54.71442346861982	Tu-204	562/575
10	LD-6875	Gladys Eeya \ FAPG	Sally Mander / VEAN	2022-09-25 Sun Sep 25 08:55:01 UTC 2022	2022-09-27 Sun Sep 25 07:54:11 UTC 2022			412.7911070439199	B-787	335/350
9	IB-3042	Chicago Airport \ CHI	Hy Ball / FAMG	2022-10-09 Sun Sep 25 07:18:57 UTC 2022	2022-10-10 Sun Sep 25 01:06:28 UTC 2022			255.41547111318354	Su-35	259/263
17	JE-9752	Therese R. Green \ GANR	Hy Ball / FAMG	2022-10-13 Fri Oct 14 02:32:49 UTC 2022	2022-10-14 Thu Oct 13 20:16:56 UTC 2022			36.494411168944936	Yak-42	45/50

Book flights and cancel booking, (he can add or delete passenger on particular flight):

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
3775	irinka	kartinka	131	2132113	1@1

Flight Info

Flight Number	From	To	Departure	Arrival	Flight Charge	Aircraft
LD-6875	Gladys Eeya	Sally Mander	2022-09-25 Sun Sep 25 08:55:01 UTC 2022	2022-09-27 Sun Sep 25 07:54:11 UTC 2022	412.7911070439199	B-787

Cancel booking

Search flight

Search a Flight

From

To

Departure Time

Search

Verify booking

Verify Booking

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

Flight Id

Passenger Id

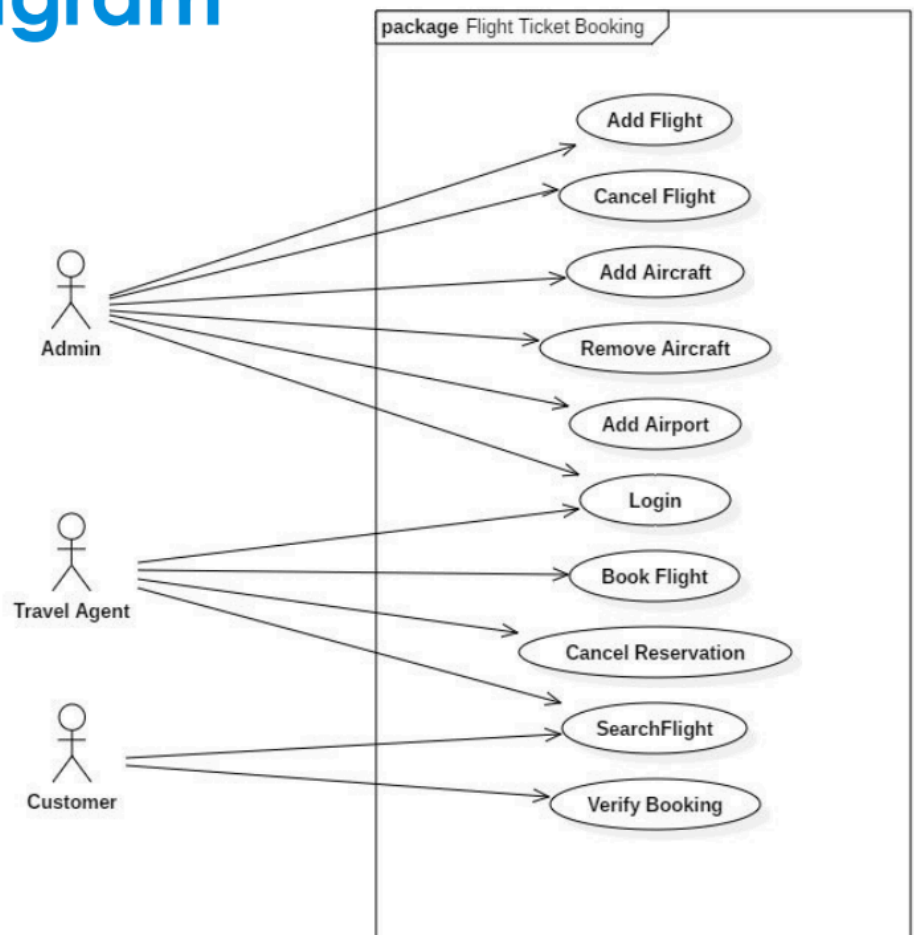
Search

1.3 Customers do not need to login. They can see flights, search flight, verify booking

Flights Search Flight Verify Booking

2. According to all this information the Use Case Diagram must be with more opportunities than we can see now. We need to renew it.

Use Case Diagram

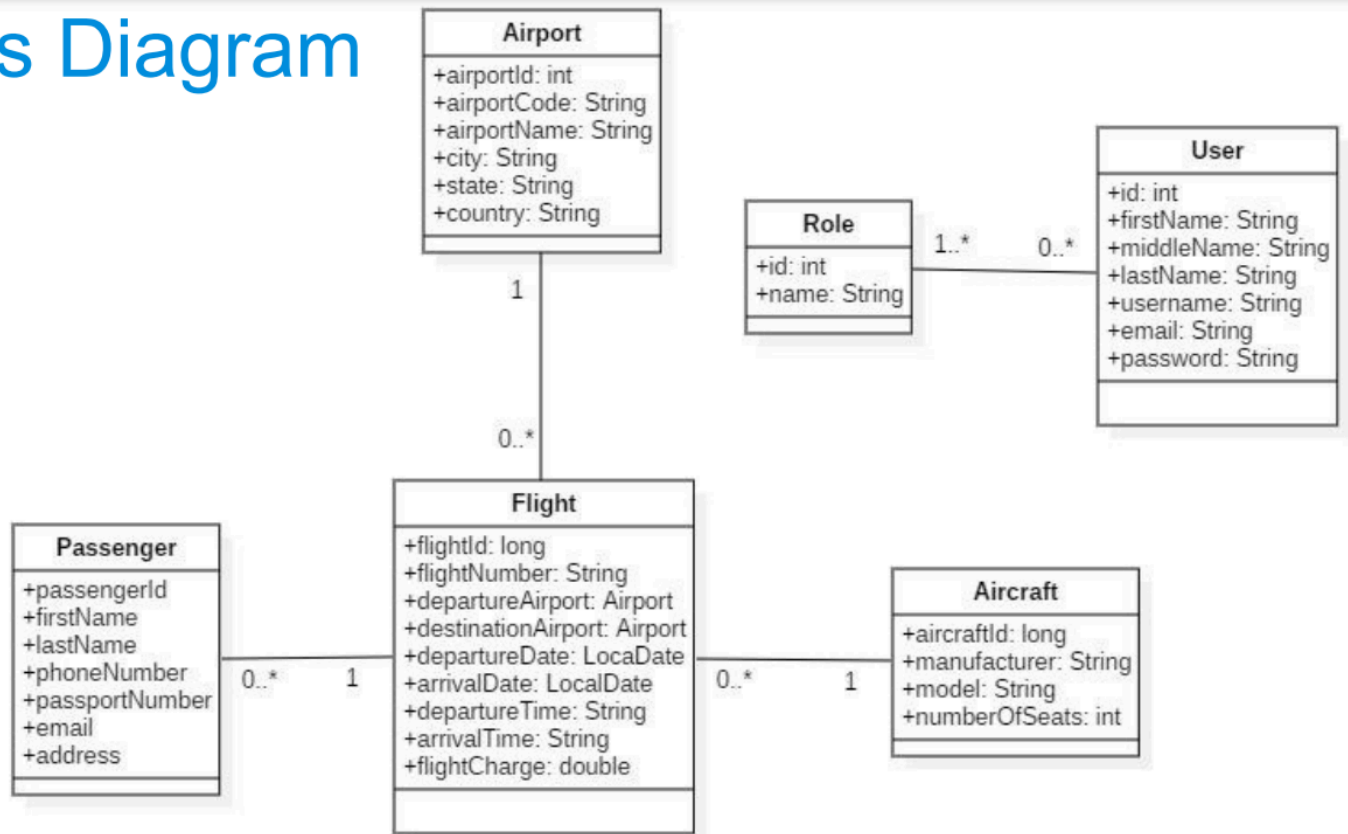


3. On the Class Diagram we do not see any types for all fields for Passenger.

What we have here is an empty rectangle for every part: Airport, Role and so on... Smth must be written here?

Are all attributes public? What about users and roles?

Class Diagram

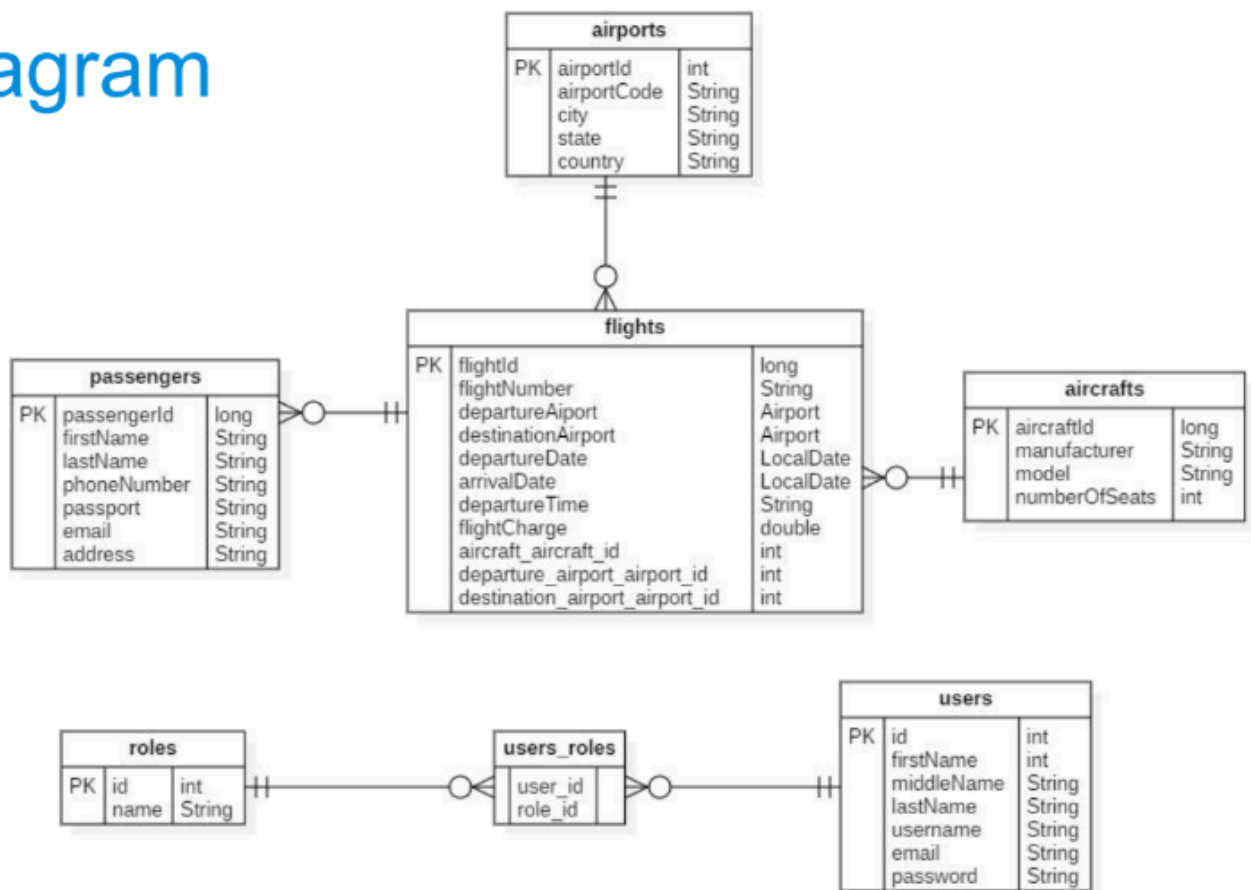


4 Er diagram. Is there a PK for users roles table?

Maybe for better understanding it is better to show all FK for all tables

Why are the names on the ER diagram and class diagram different? (for example - Flight and flights)

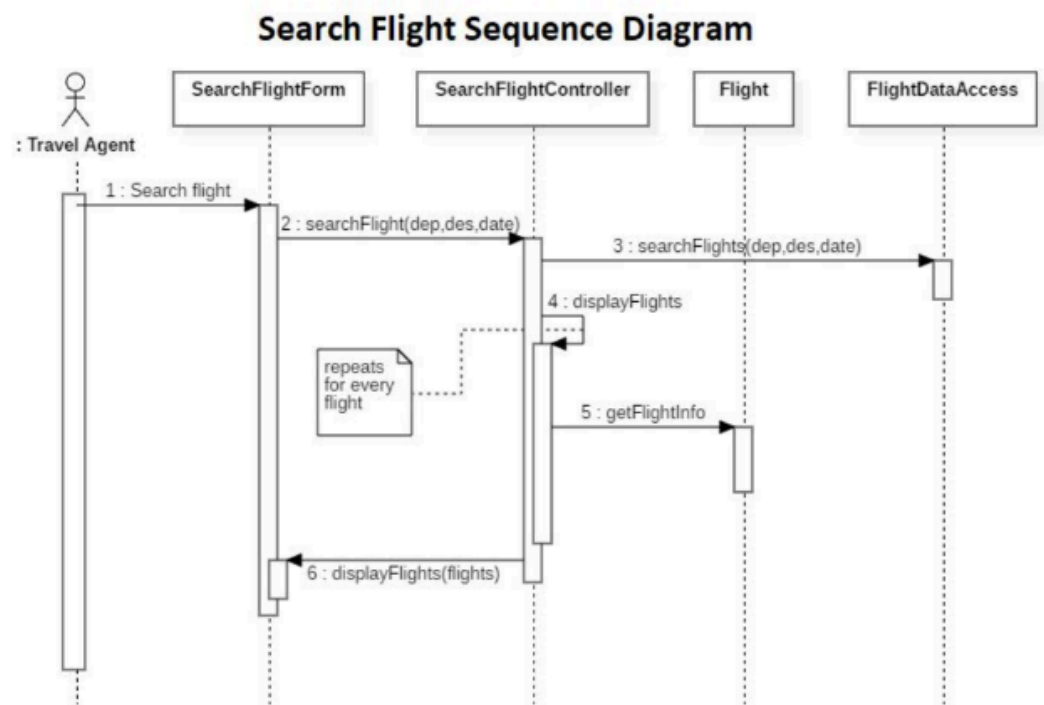
ER Diagram



5 Sequence Diagram is not right

Step number 4 must begin from step number 3
Flights must be shown for users on UI
From what getFlightinfo takes all data?
What flights are shown only at 6 step?

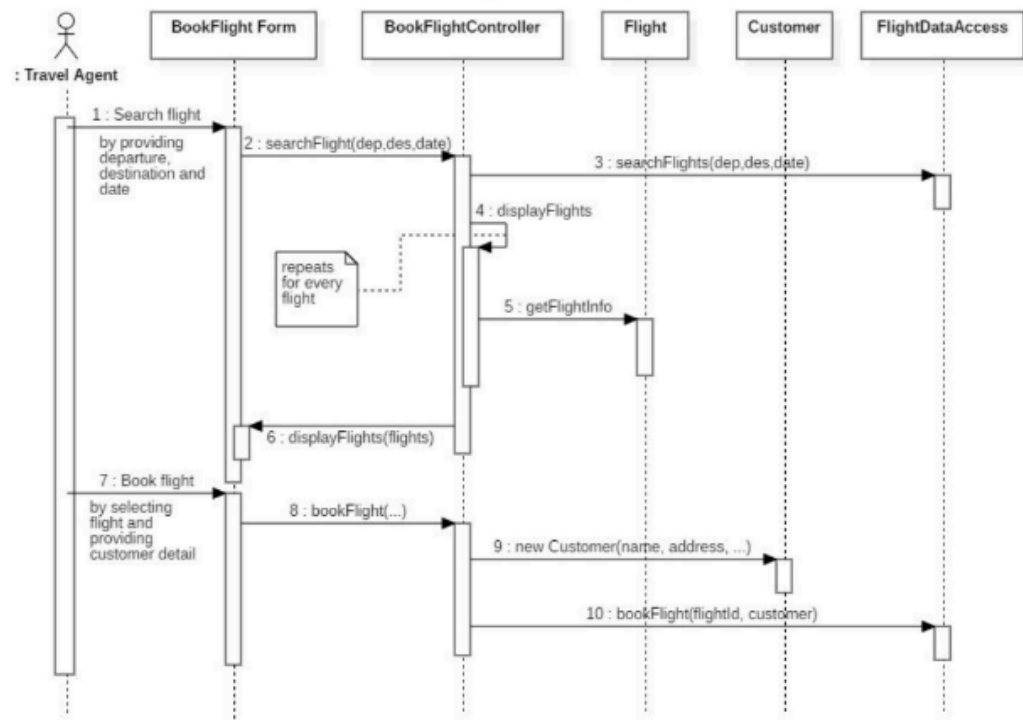
Sequence Diagram for Search Flight



6 Sequence diagram for book flight also is not right
Step number 4 must begin from step number 3
Flights must be shown for users on UI
From what getFlightinfo takes all data?
What flights are shown only at 6 step?
Why step 9 is not till FlightDataAcess?
Why step 10 begin from BookFlightController

Sequence Diagram for Book Flight

Book Flight Sequence Diagram



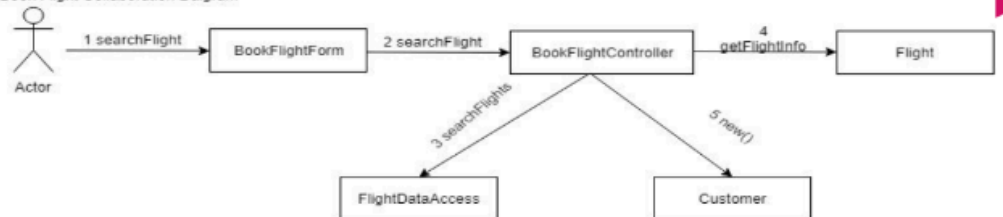
7 Collaboration Diagram
Which user is on Collaboration Diagram
First collaboration diagram should have Flight in the name
Ends of this diagram are not clear

Collaboration Diagram

Search Collaboration Diagram



Book Flight Collaboration Diagram



Schedule Flight Collaboration Diagram

