Project diagrams

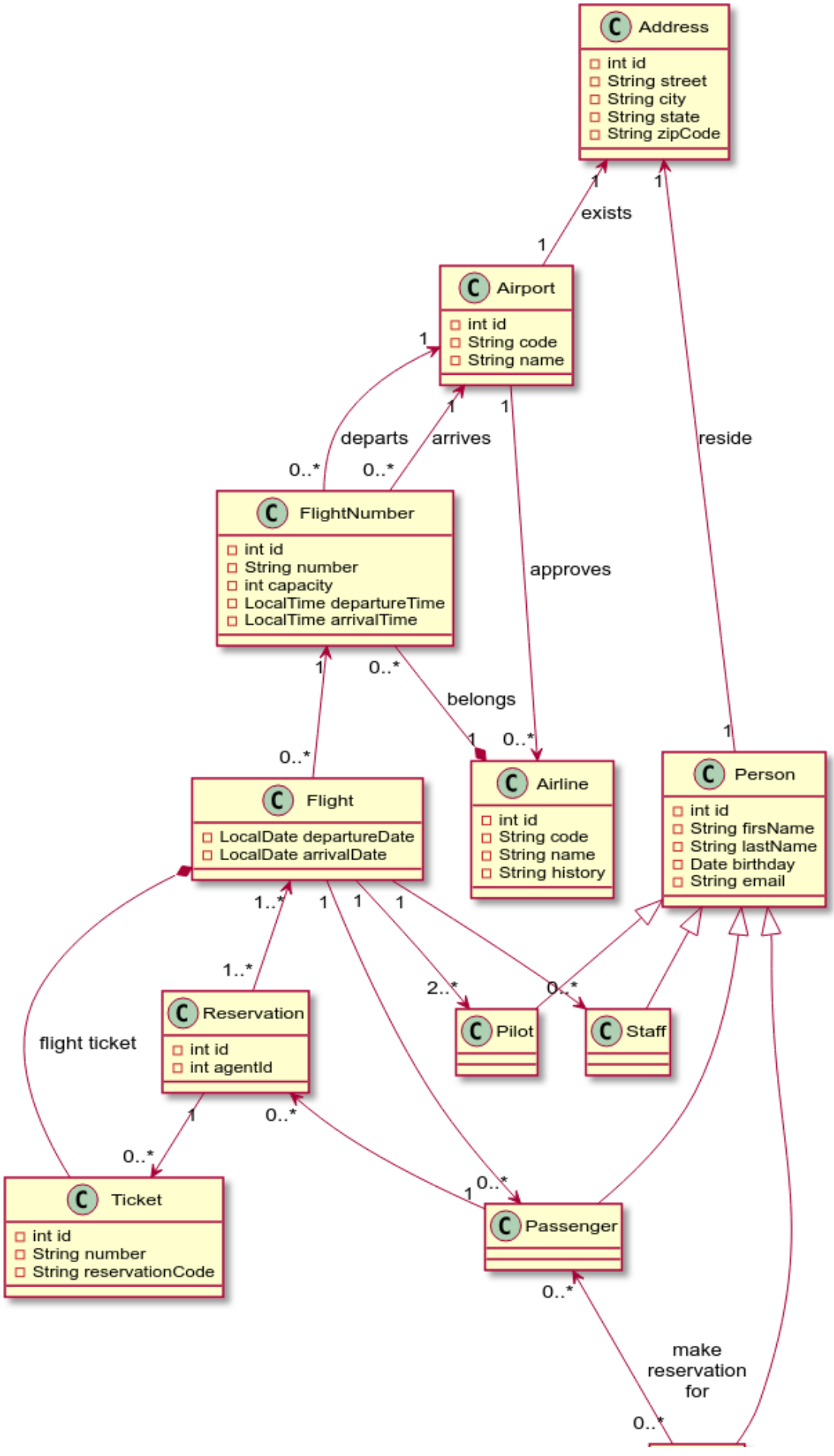
The steps to create

1. Class diagram
2. Use case diagram
3. Sequence diagram

1. Class diagram

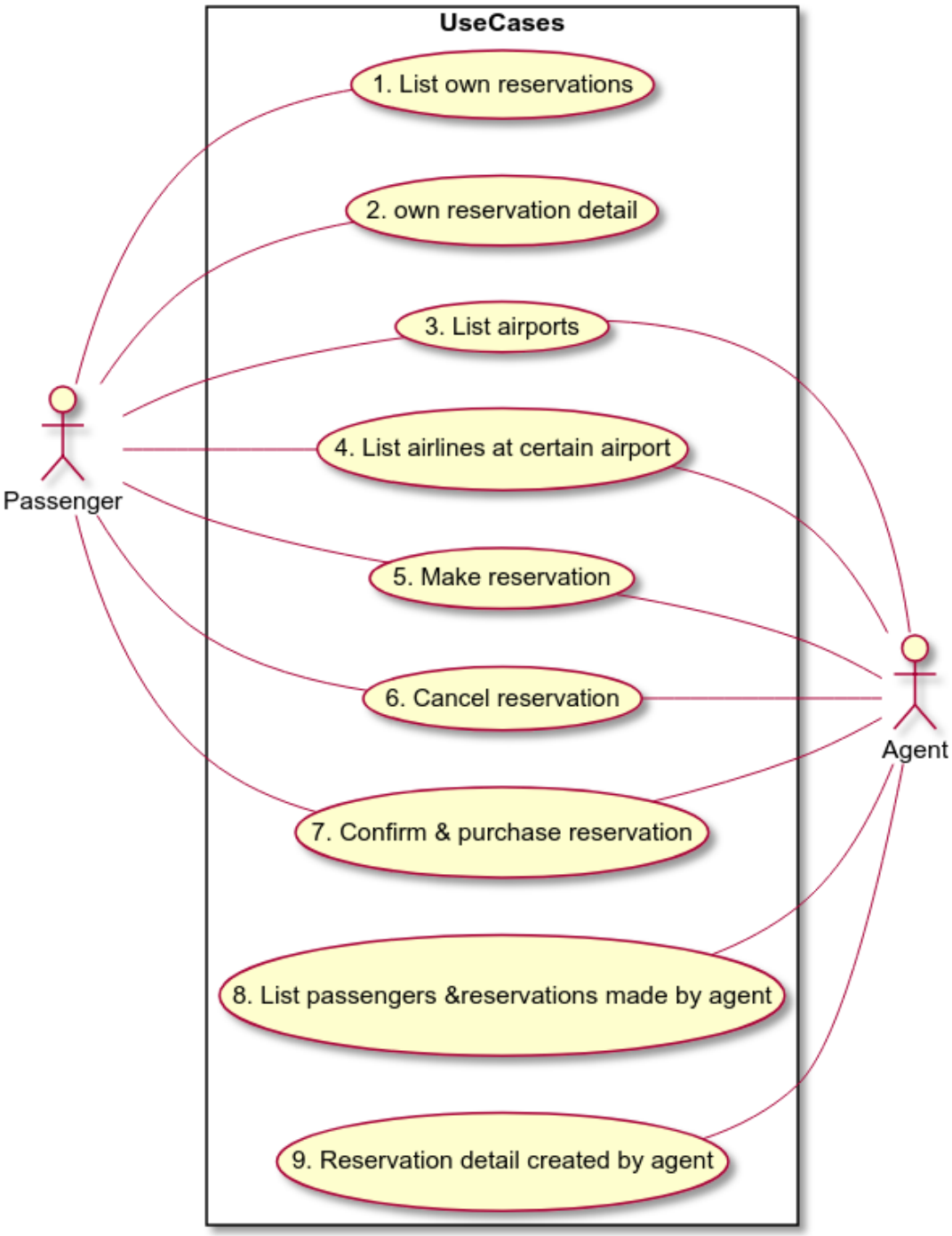
Class diagram PlantUML source

Class diagram



2. Use case diagram

Use case diagram PlantUML source

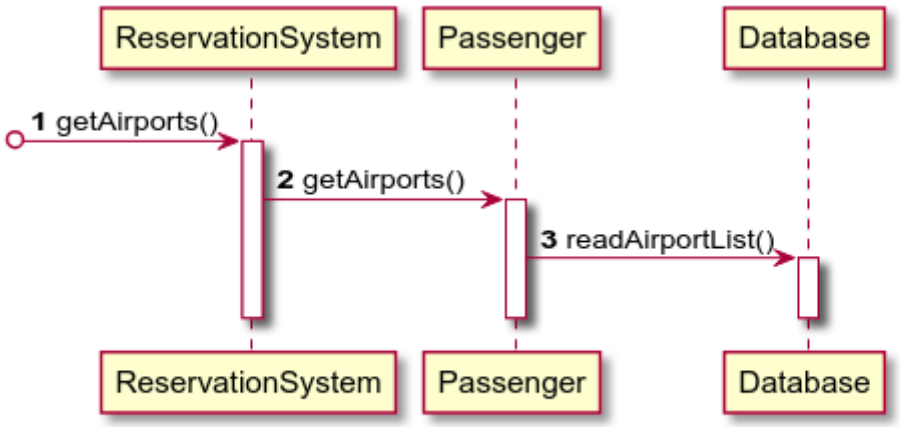


3. Sequence diagrams

3.1 Sequence diagram-1

Passenger: View list of airports

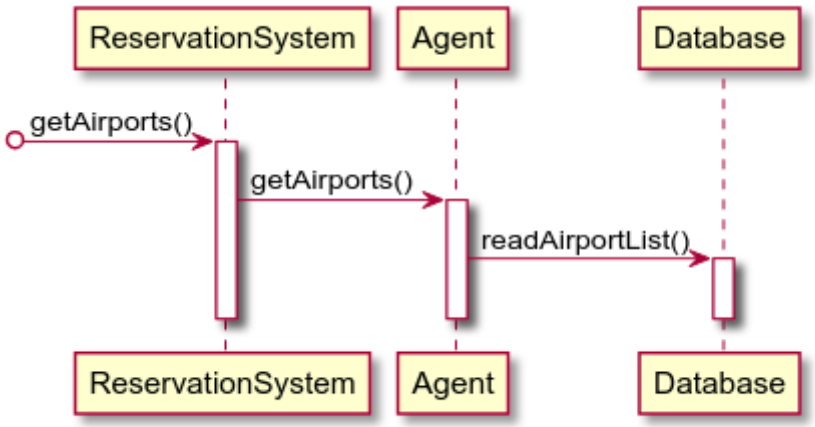
Sequence diagram PlantUML source



3.2 Sequence diagram-2

Agent: View list of airports

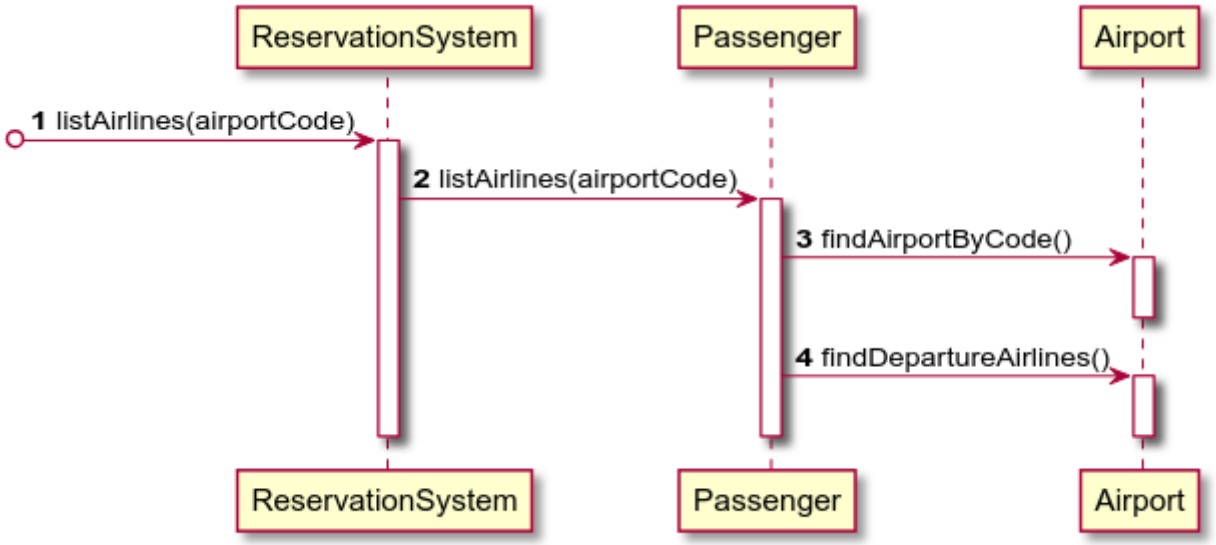
Sequence diagram PlantUML source



3.3 Sequence diagram-3

Passenger: View list of airlines flying out of an airport (search by airport three letter code)

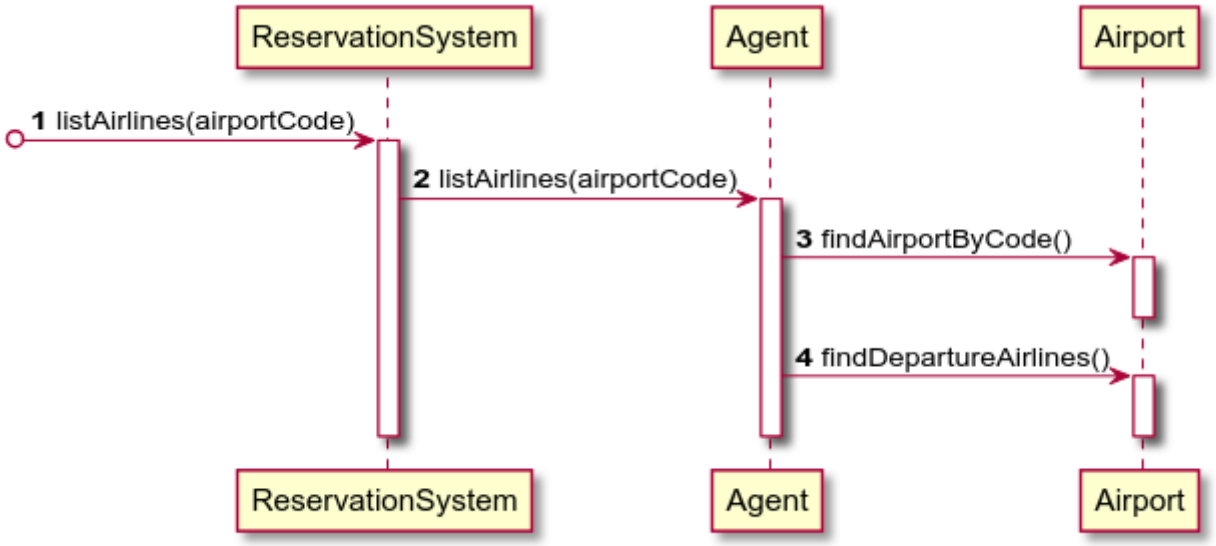
Sequence diagram PlantUML source



3.4 Sequence diagram-4

Agent: View list of airlines flying out of an airport (search by airport three letter code)

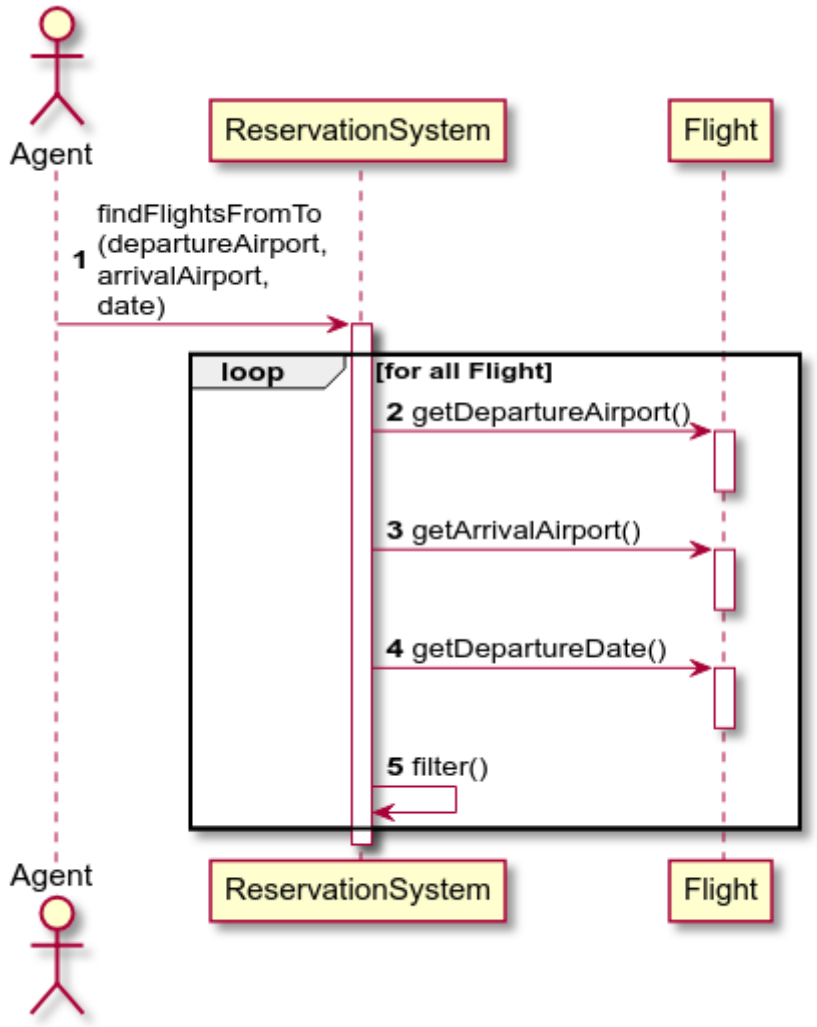
Sequence diagram PlantUML source



3.5 Sequence diagram-5

Passenger: View list of flights between a departure and destination for a date

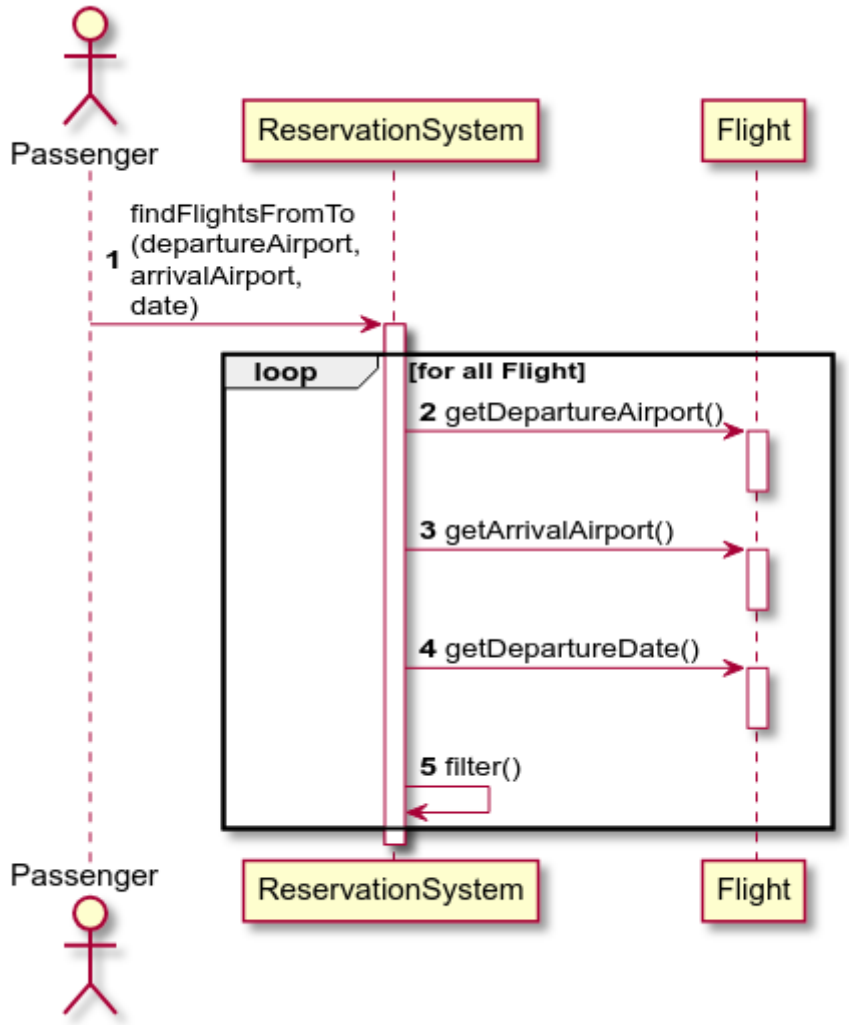
Sequence diagram PlantUML source



3.6 Sequence diagram-6

Agent: View list of flights between a departure and destination for a date

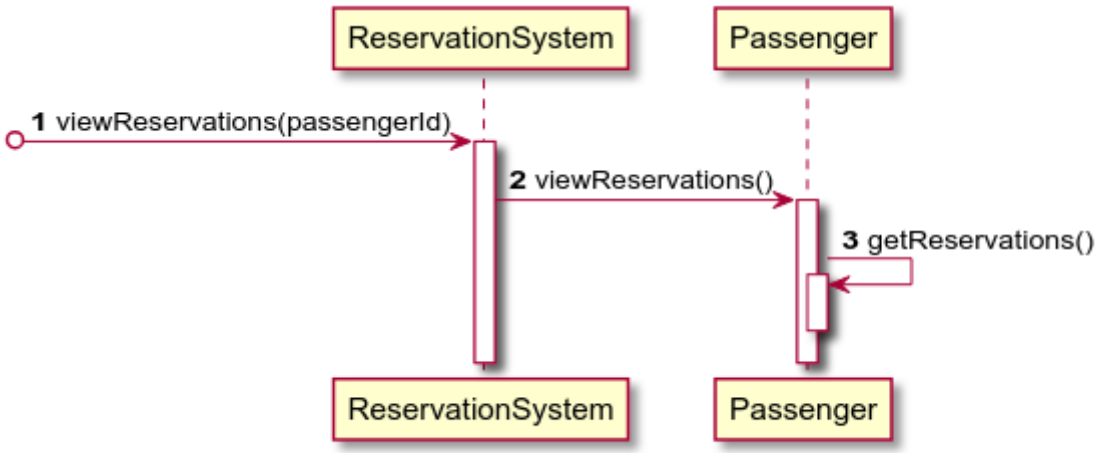
Sequence diagram PlantUML source



3.7 Sequence diagram-7

Passenger: View list of own reservations

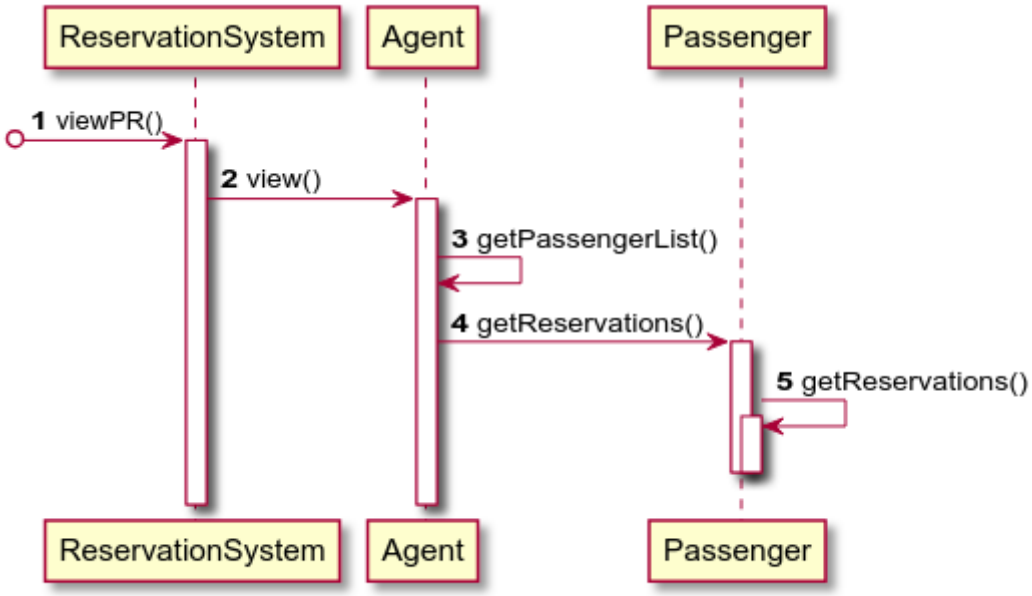
Sequence diagram PlantUML source



3.8 Sequence diagram-8

Agent: View list of passengers and reservations made for them “by this agent”

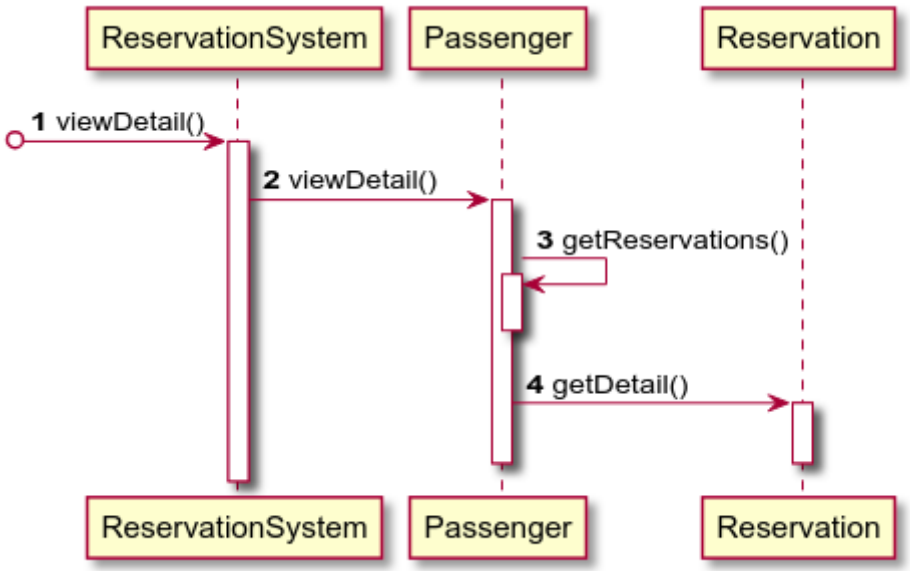
Sequence diagram PlantUML source



3.9 Sequence diagram-9

Passenger: View details of a reservation (flights, departure times, etc.)

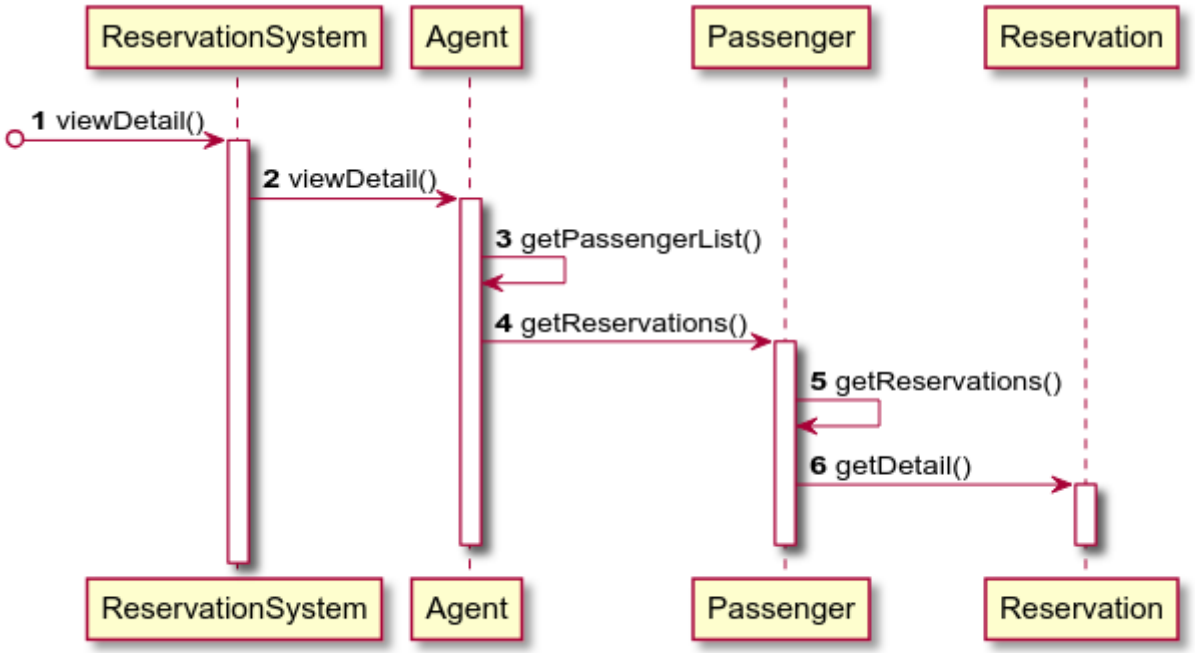
Sequence diagram PlantUML source



3.10 Sequence diagram-10

Agent: View details of a reservation (flights, departure times, etc.) – only if done by this agent

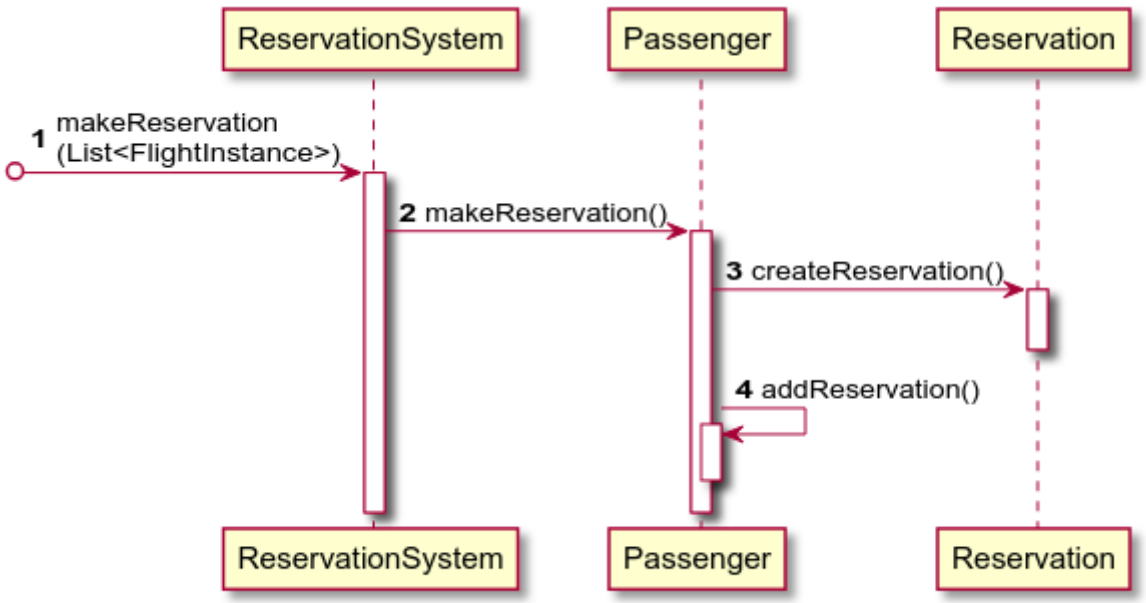
Sequence diagram PlantUML source



3.11 Sequence diagram-11

Passenger: Make a reservation (note: input will be a list of flights)

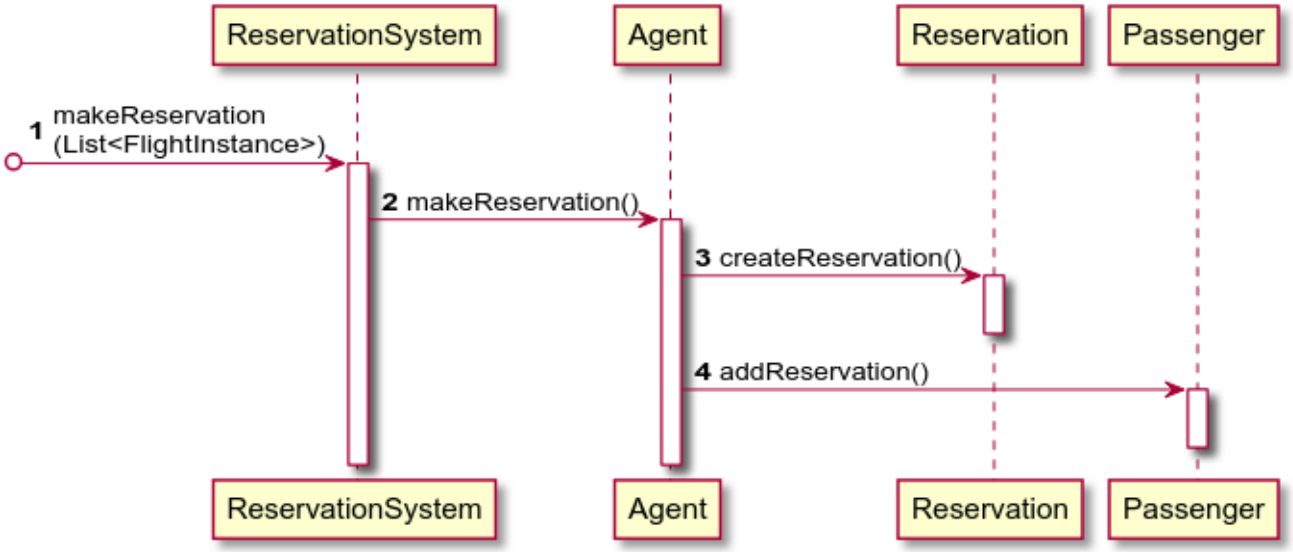
Sequence diagram PlantUML source



3.12 Sequence diagram-12

Agent: Make a reservation (note: payload will be a list of flights)

Sequence diagram PlantUML source



3.13 Sequence diagram-13

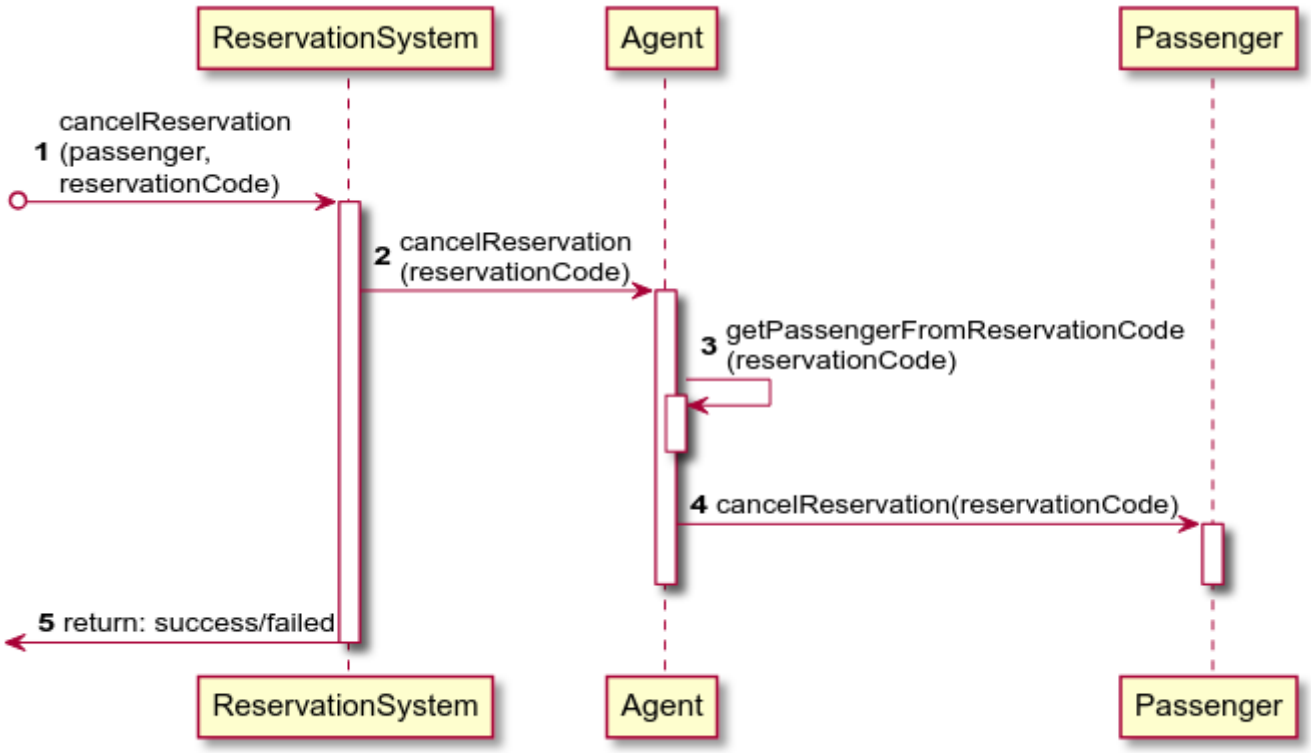
Passenger: Cancel a reservation

Sequence diagram-13

3.14 Sequence diagram-14

Agent: Cancel a reservation

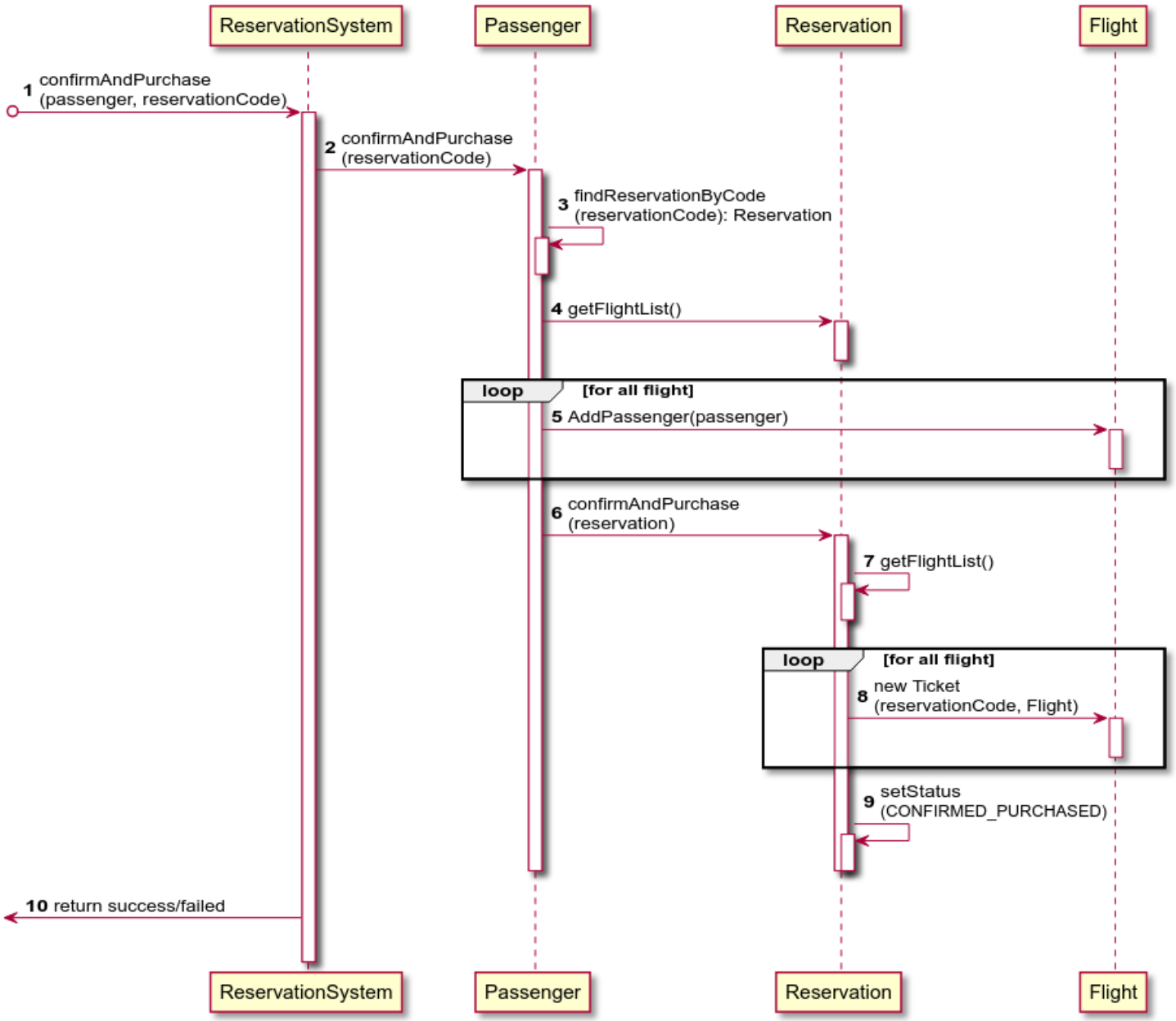
Sequence diagram PlantUML source



3.15 Sequence diagram-15

Passenger: Confirm and purchase a reservation. This will result in multiple tickets (one for each flight in the reservation)

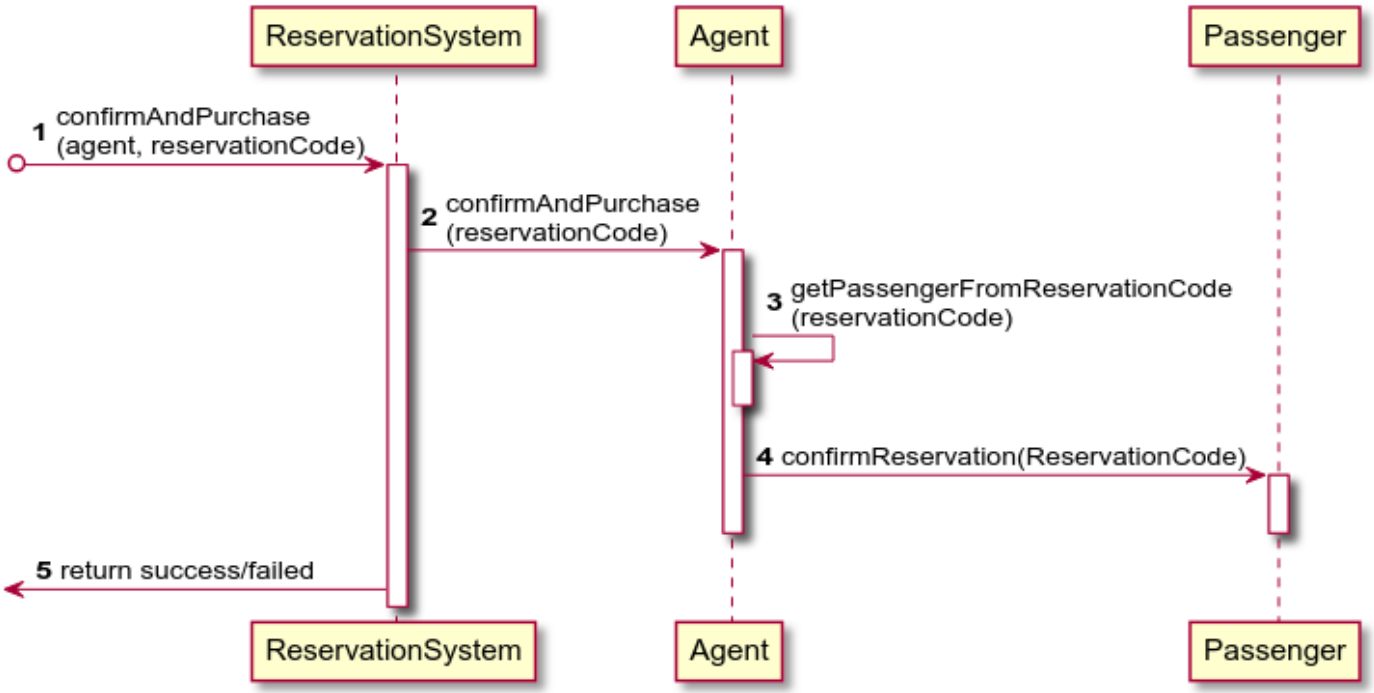
Sequence diagram PlantUML source



3.16 Sequence diagram-16

Agent: Confirm and purchase a reservation. This will result in multiple tickets (one for each flight in the reservation)

Sequence diagram PlantUML source


ReservationSystem
Agent
Passenger
1 confirmAndPurchase
(agent, reservationCode)
2 confirmAndPurchase
(reservationCode)
3 getPassengerFromReservationCode
(reservationCode)
4 confirmReservation(ReservationCode)
5 return success/failed
ReservationSystem
Agent
Passenger