Project diagrams

The steps to create

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

1. Class diagram

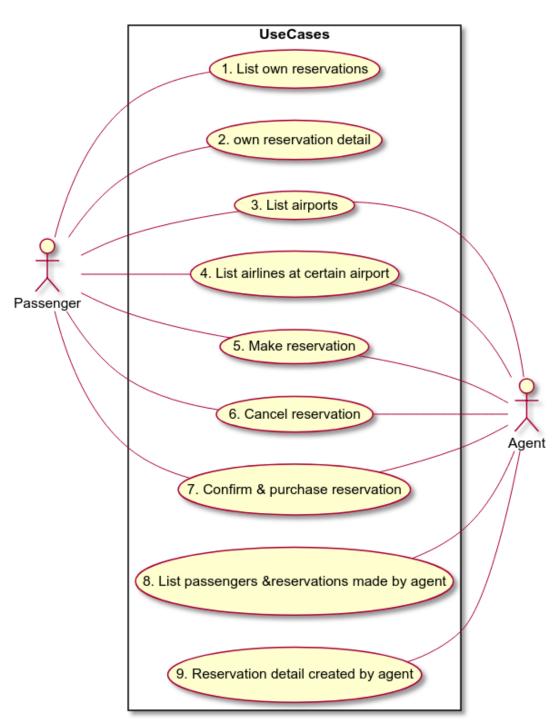
Class diagram PlantUML source

Class diagram (C) Address ☐ int id ☐ String street☐ String city □ String state String zipCode exists (C) Airport int id String code String name departs arrives reside FlightNumber int id String number approves int capacity □ LocalTime departureTime LocalTime arrivalTime belongs 0.. 0..* C Person Airline Flight int id ☐ int id String firsName LocalDate departureDate String code □ String lastName □ LocalDate arrivalDate String name □ Date birthday String history String email 1..* Reservation C)Staff flight ticket □ int id int agentld 0... 0..* 0.. Ticket (C) Passenger □ int id String number String reservationCode 0..* make reservation for



2. Use case diagram

Use case diagram PlantUML source

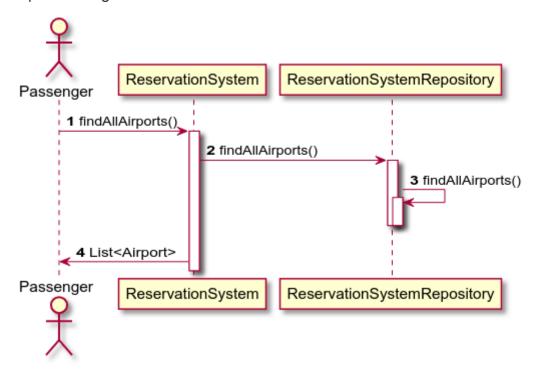


3. Sequence diagrams

3.1 Sequence diagram-1

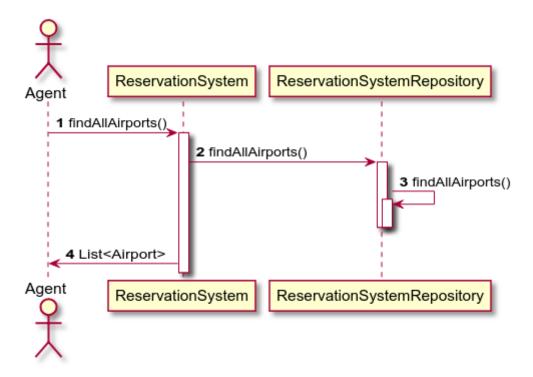
Passenger: View list of airports

Sequence diagram PlantUML source



3.2 Sequence diagram-2

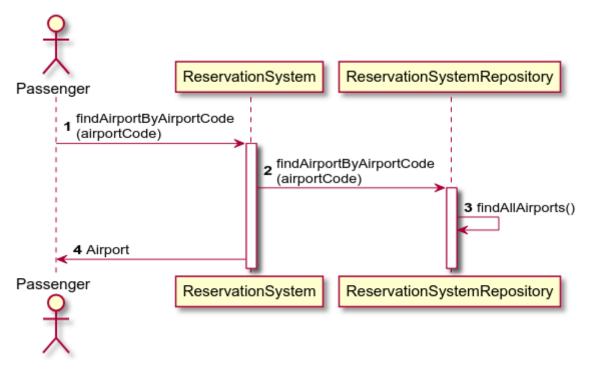
Agent: View list of airports



3.3 Sequence diagram-3

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

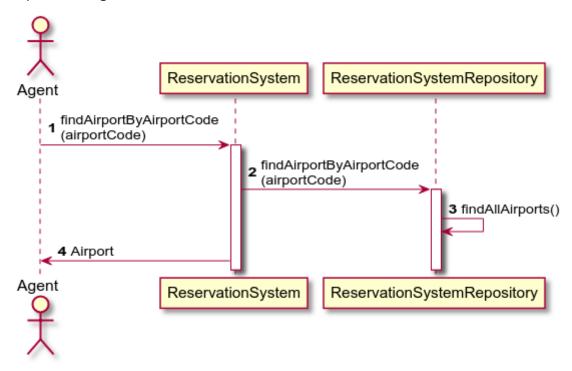
Sequence diagram PlantUML source



3.4 Sequence diagram-4

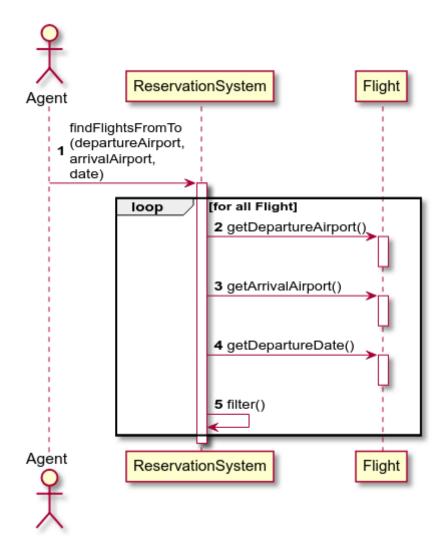
Agent: View list of airlines flying out of an airport (search by airport three letter code)

Sequence diagram PlantUML source



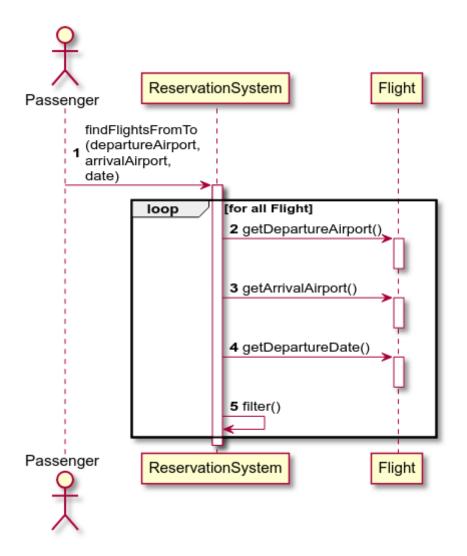
3.5 Sequence diagram-5

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



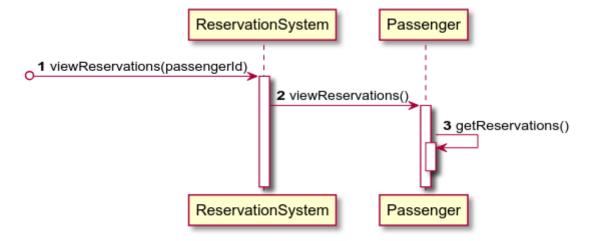
3.6 Sequence diagram-6

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



3.7 Sequence diagram-7

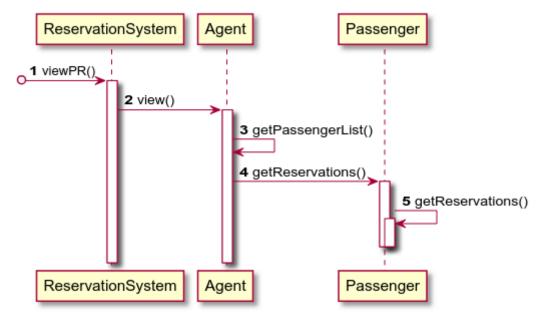
Passenger: View list of own reservations



3.8 Sequence diagram-8

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

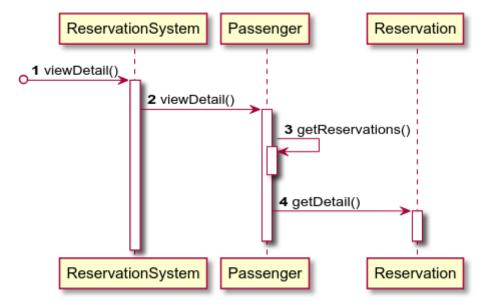
Sequence diagram PlantUML source



3.9 Sequence diagram-9

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

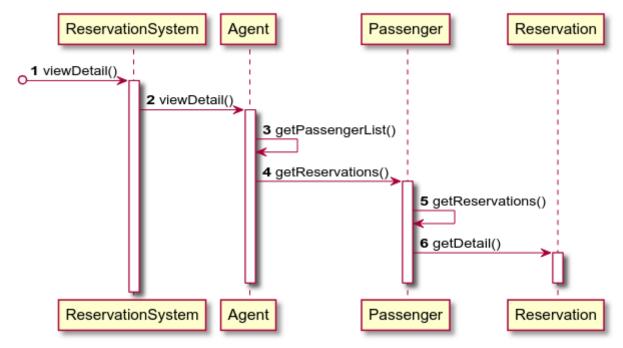
Sequence diagram PlantUML source



3.10 Sequence diagram-10

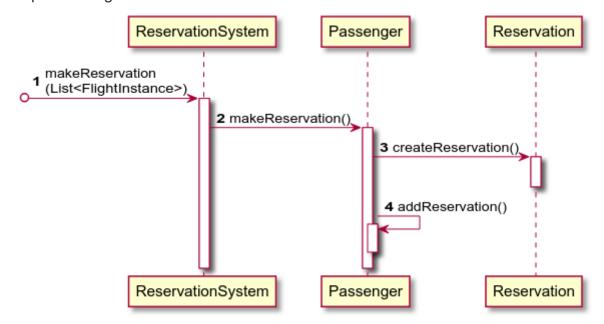
Agent: View details of a reservation (flights, departure times, etc.) - only if done by this agent

Sequence diagram PlantUML source



3.11 Sequence diagram-11

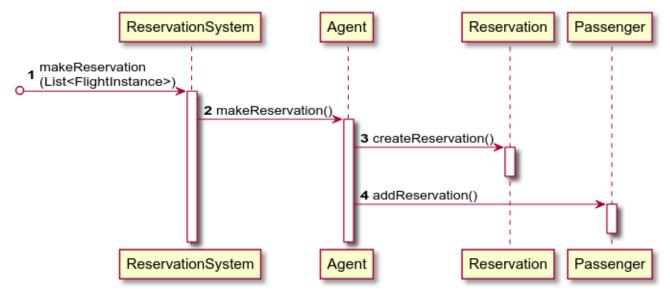
Passenger: Make a reservation (note: input will be a list of flights)



3.12 Sequence diagram-12

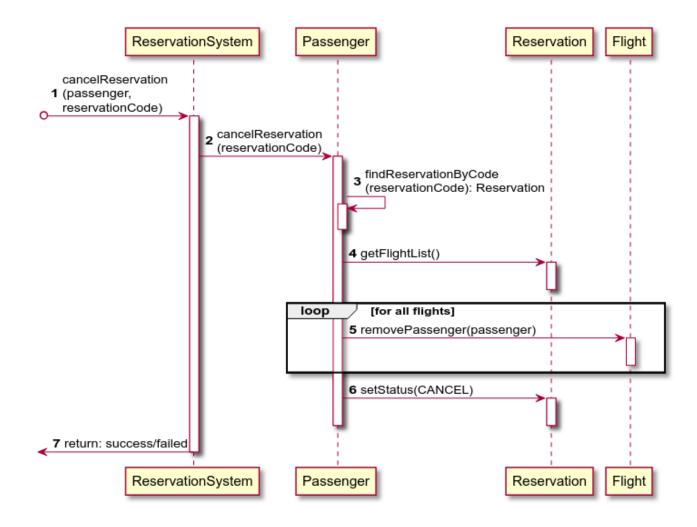
Agent: Make a reservation (note: payload will be a list of flights)

Sequence diagram PlantUML source



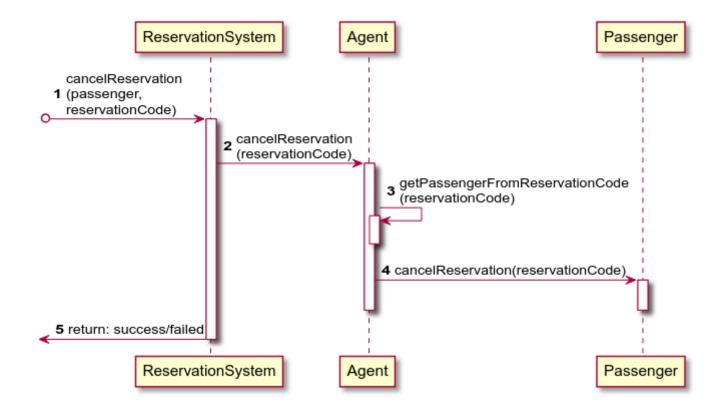
3.13 Sequence diagram-13

Passenger: Cancel a reservation



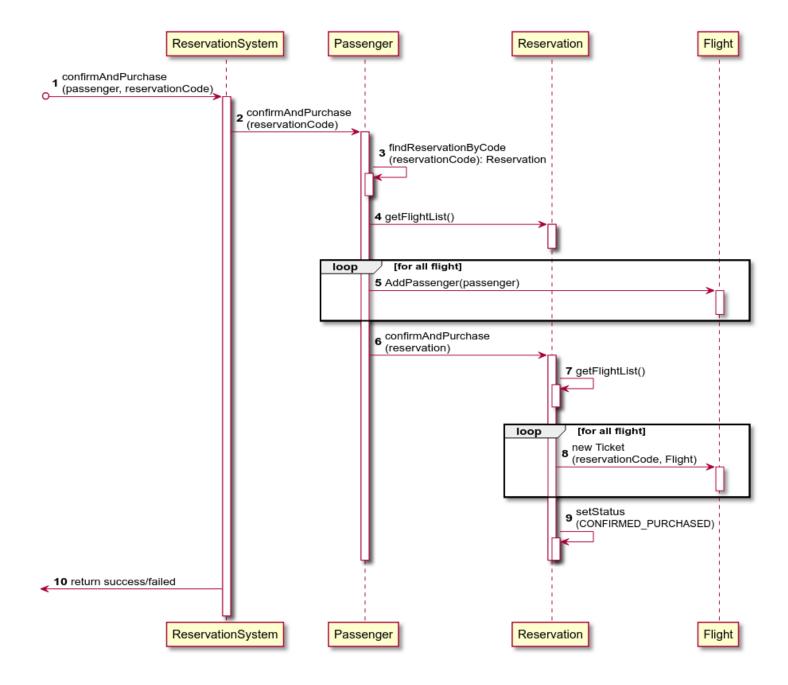
3.14 Sequence diagram-14

Agent: Cancel a reservation



3.15 Sequence diagram-15

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



3.16 Sequence diagram-16

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

