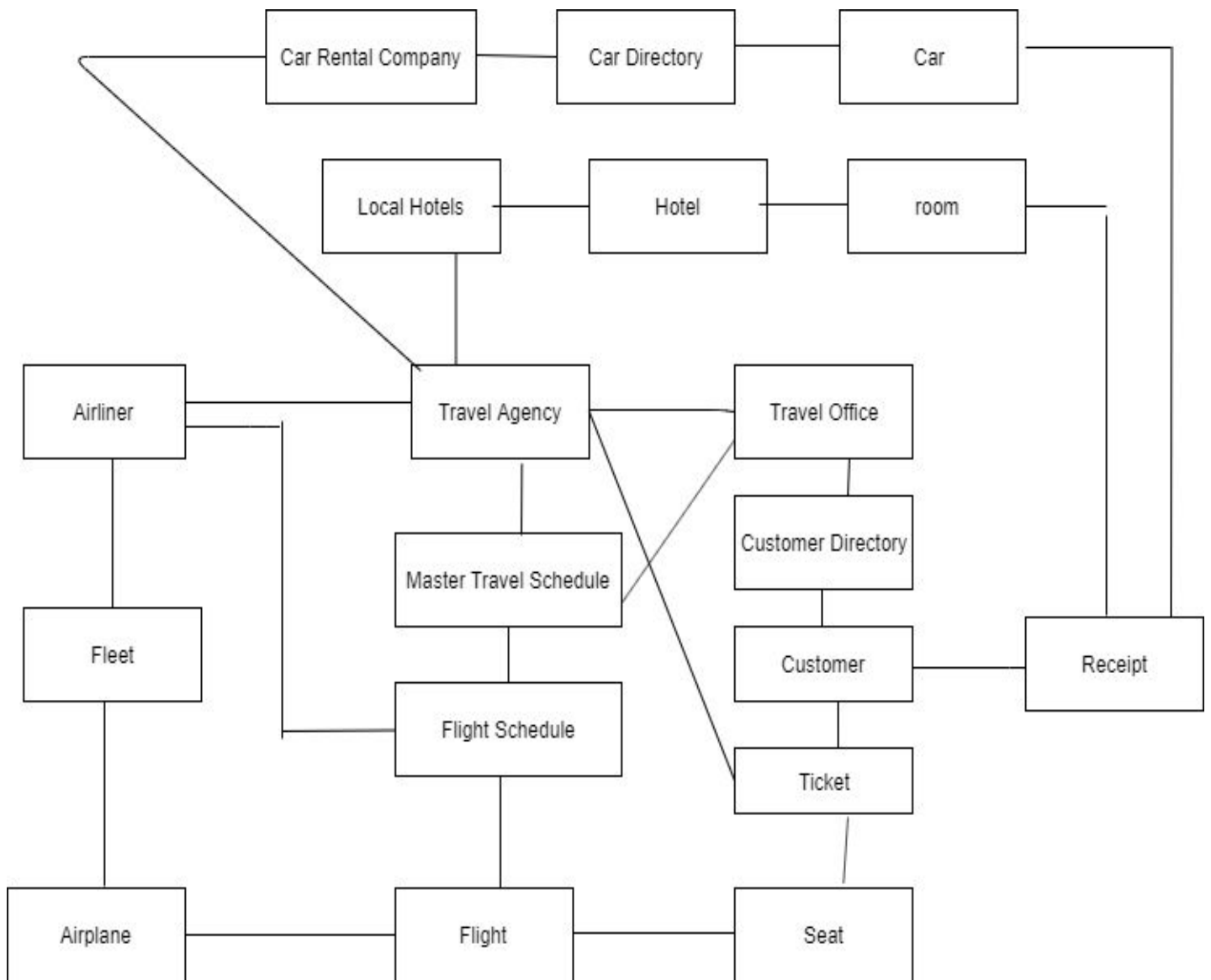
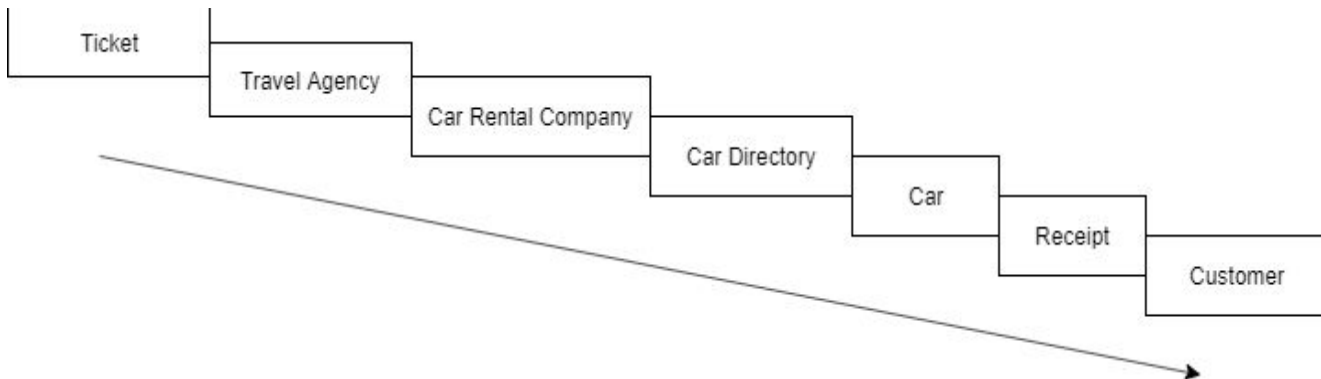


## UML Diagram to support car and hotel booking



## Models for how to provide travel services such as

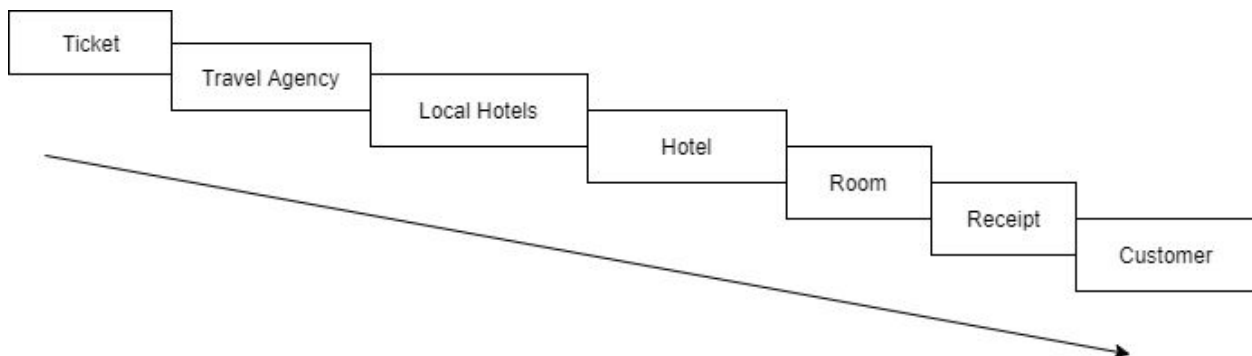
### 1. Car Rental from Car RentalCompanies



To book a car for a customer we need city where the car needs to be rented. So in ticket class we get the city where customer needs to rent the car. Then travel agency looks for car Rental companies in that city. All cars are in car directory. So the first available car is searched from car directory and mapped to customer and the details of this mapping is stored in receipt.

Receipt class contains for which customer which car is booked.

### 2. Hotel Reservations from local hotels in the area



To book a hotel for a customer we need city where the hotel needs to be booked. So in ticket class we get the city where customer needs to book the hotel. Then travel agency looks for hotels in that city. All hotels are in local hotels directory. So the hotel with an available room is searched from local hotels directory and mapped to customer and the details of this mapping is stored in receipt.

Receipt class contains for which customer which room is booked in which hotel.

### 3. Providing support for multi-stop destinations on travel plan

Our model design provides plan for a destination mentioned in a ticket. If a customer has multiple stops on its travel itinerary then looping through all the paths in the model suffices the required functionality.