

**REPORT ON
TRAVEL AGENCY FOR MULTIPLE
SERVICES**



TEAM - RHYTHM

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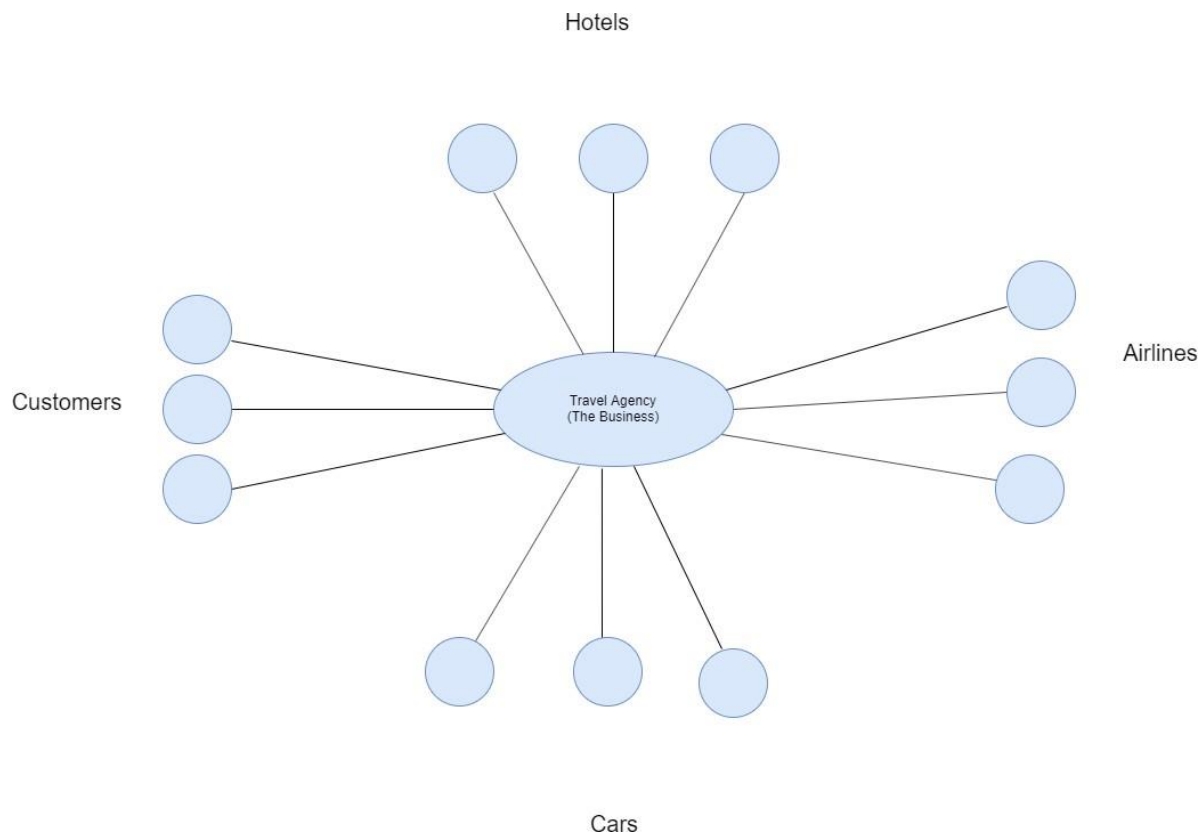
Introduction

Objectives:

- The travel agency will be able to book Flights, Hotel Rooms and rent a car for its customers.
- Travel agency can also book for a multi-stop travel plan for its customer.
- The admin would be able to add multiple flights, hotel rooms for local hotels and cabs in a car rental company.

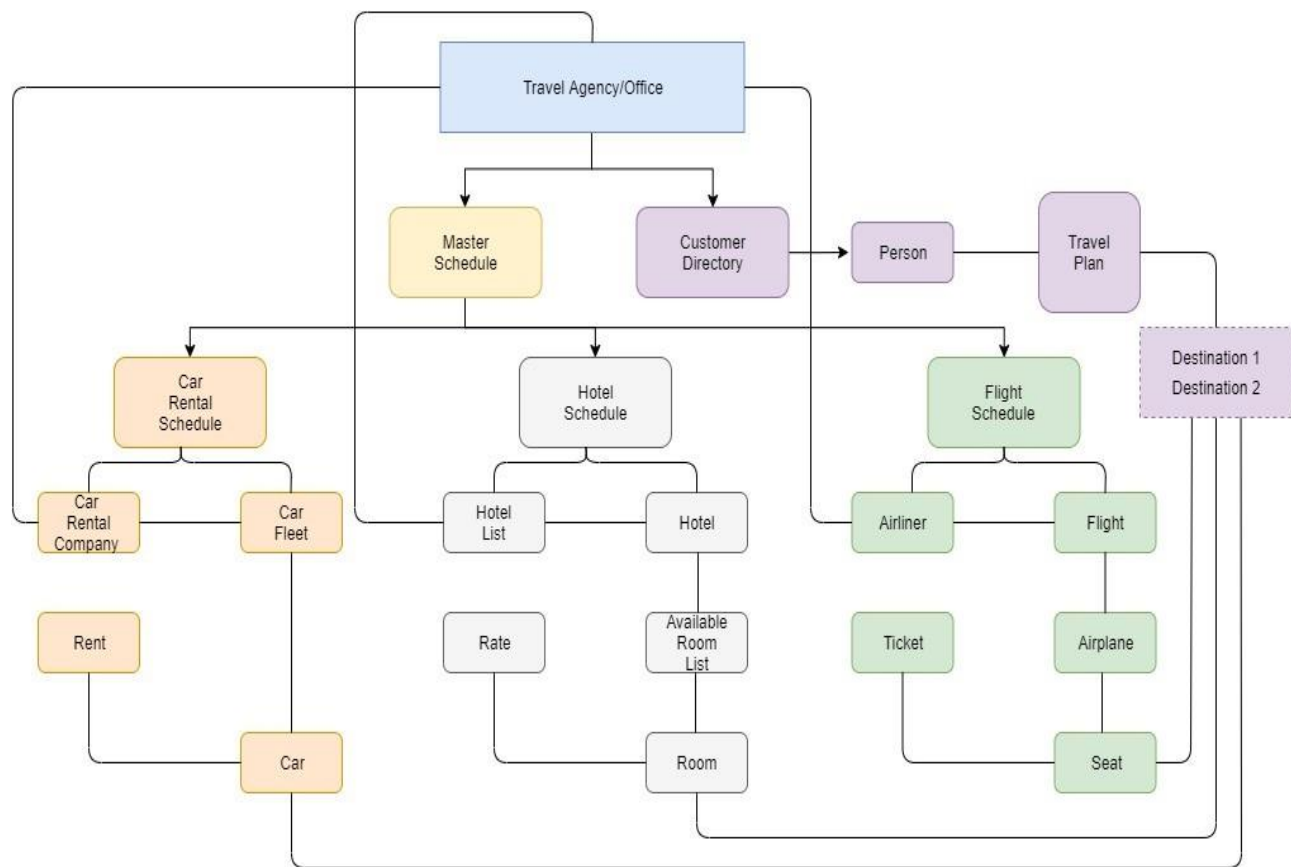
Business Model:

- Travel Agency Business would consist of four major areas. Hotels, Airlines, Cars and Customers.



Object Model:

The below diagram describes the object model for Travel agency. The travel agency office would be the main object. We can traverse the object model of individual booking through master schedule



Implementation:

- The Travel agency class will hold the reference to master schedule and customer directory , list of Car rental companies , Local Hotels list , Airlines registered with agency.
- Class: TravelAgency
- Attributes: Masterschedule master schedule , CustomerDirectory customerdirectory , list <Airline> , List<Rental Companies> , List<Local Hotels> Getter and setter masterschedule and customerdirectory.
- Masterschedule Class will have the list of Cars rented, Hotel Schedule and Flight Schedule. Class: Masterschedule
Attributes: CarRented carRented , HotelSchedule hotelSchedule and FlighSchedule flighSchedule.
- CustomerDirectory will hold the list of people who have booked the service with travel agency
Class: CustomerDirectory Attributes: List<customer>
- CarRentalSchedule , HotelSchedule and FlightSchedule will hold the list of the cars booked , hotels scheduled and flights schedule.
- A car would be booked by a customer and he will pay the rent of car. The rented car would be added to the car fleet. Every car company would have the car fleet.
- A room would be rented by a customer from the available room list. Every hotel will have a list of available room list.
- A seat would be customer from the list of airplanes. Airline would have a list of airplanes. When airplane is scheduled, it is referenced as a flight.

MULTIPLE STOPS:

- Customer can book a flight, car from a location to other. Details of his every travel would be captured in the Destination object.
- For every stop he takes, there would be an object in the Destination folder.
- Methods: getListofTravelPlans(); will return the all the travel plans.