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## **Airline Reservation System**

### **Problem Statement:**

Airline reservation System is a computerized system used to store and retrieve information and conduct transactions related to air travel. The system provides an interface to schedule flights and reservations for an airline that services. Its responsibility is to keep track of system users, customers, Airplane/Flight information which includes airplane name, source, destination airport, Arrival and departure time, section (Economy, Business class), no. of seats, price in each section with price. Airline needs to keep a track of booked tickets and cancellation. Airplane has sections. It contains details about the seats such as business class seats, economic class seats. Customer reserves flight. On reservation customer gets a ticket and makes payment using pay by card or net banking option.

### **Noun/Noun Phrases**

Airline, Airplane, Flight, Airport, Reservation, Economy, Business, Ticket, Customer, Reservation, seat, payment, credit card, debit card, net banking

### **Class**

Airline, Customer, Airplane, Ticket, Reservation, Seat, Payment, Card, Net Banking, Section, Economy, Business

### **Verb Phrases:**

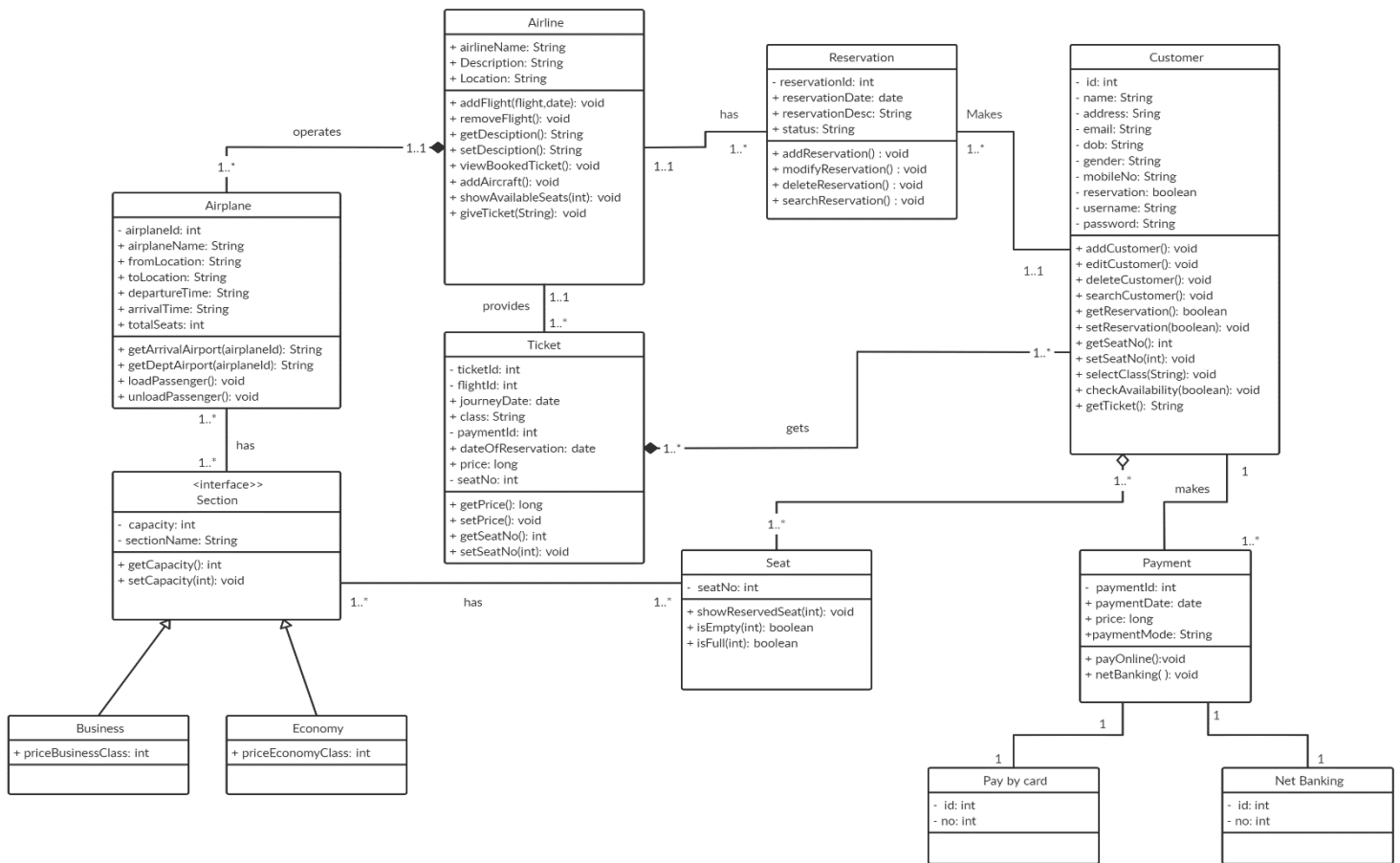
- 1) Airline operates Airplanes
- 2) Customer reserves flight
- 3) Airplane has section (Economy and Business)
- 4) Section has seats.
- 5) Customer gets ticket
- 6) Customer makes payment
- 7) Payment have pay by card and net banking option

### **Relations:**

- 1) Economy and Business section can be generalised to a section
- 2) One Airline has one or more Airplane
- 3) One Airline can provide one or more ticket
- 4) One Customer can have one or more reservation
- 5) One or more Customer can have one or more ticket
- 6) One or more Customer can book one or more seats
- 7) One or more Customer can make one or more payment
- 8) One or more section has one or more seats
- 9) One section has one business class
- 10) One section has one economy class
- 11) Payment has one pay by card option
- 12) Payment has one net banking option

# Class Diagram of Airline Reservation System

## Airline Reservation System



# Object Diagram for Airline Reservation System

## Airline Reservation System

