CS 457 / CS 557 – Database Software Design
Assignment2
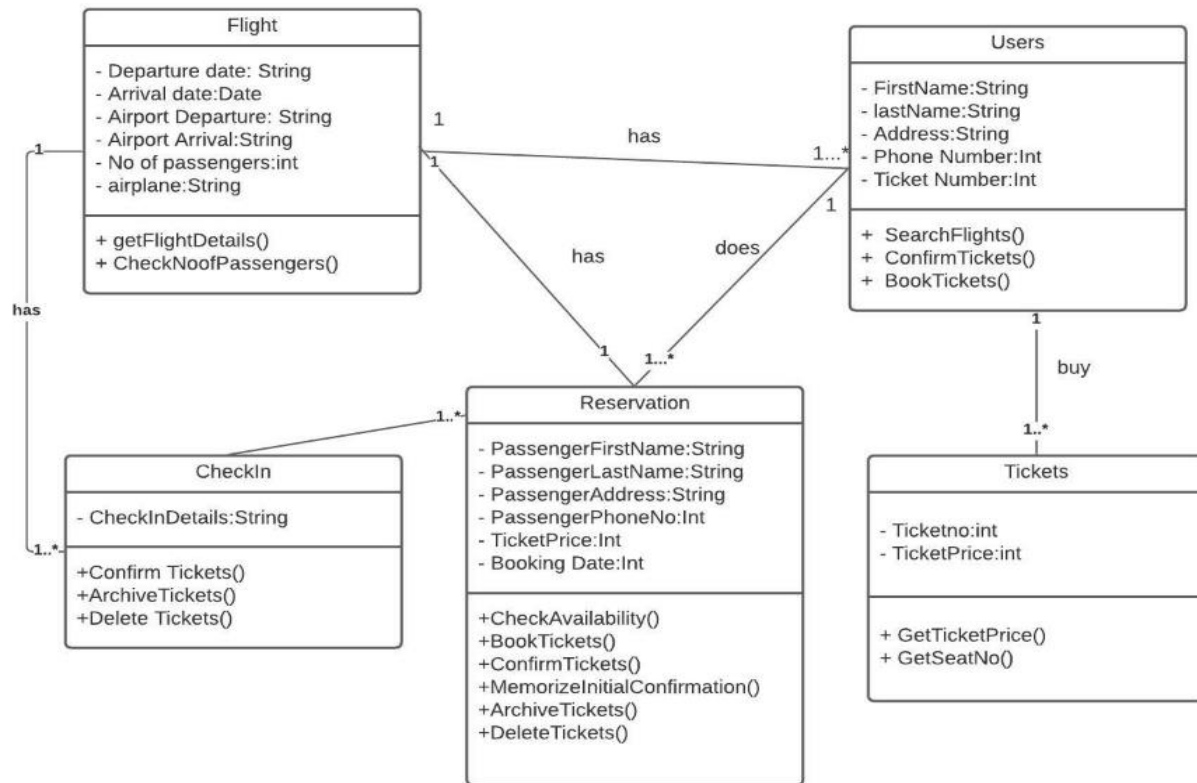
UML DIAGRAMS

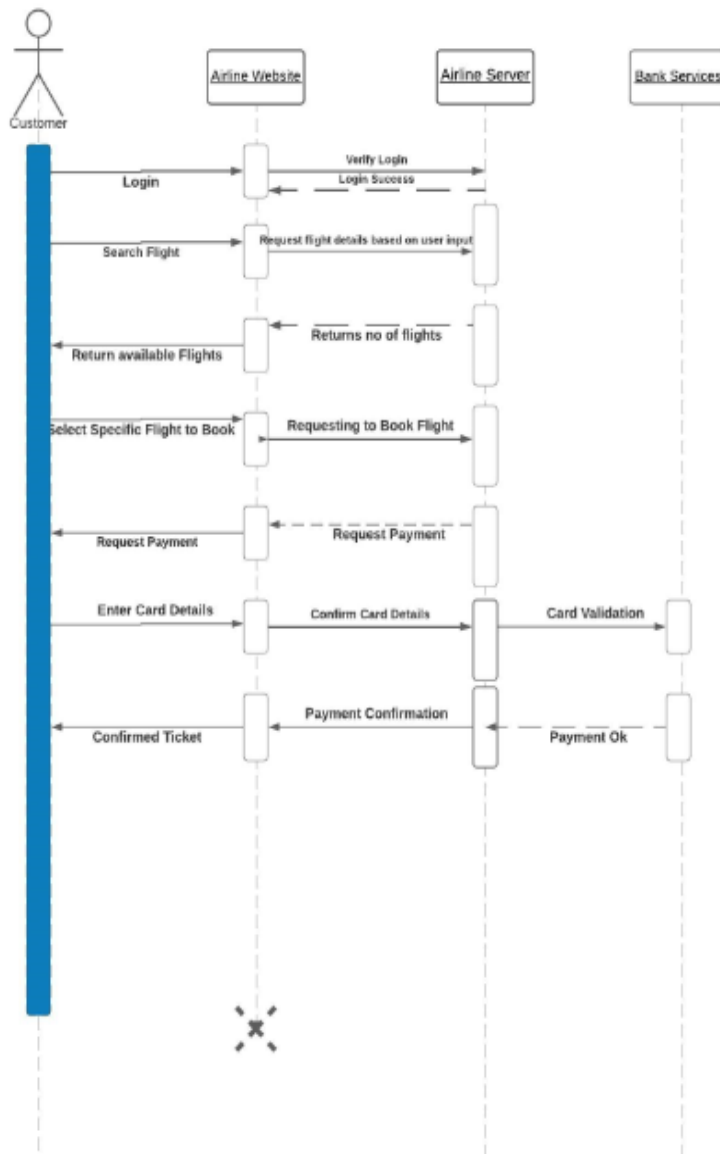| Student Name	Student Id	Student Email ID
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Q1) Buying the tickets initiated by the customer.
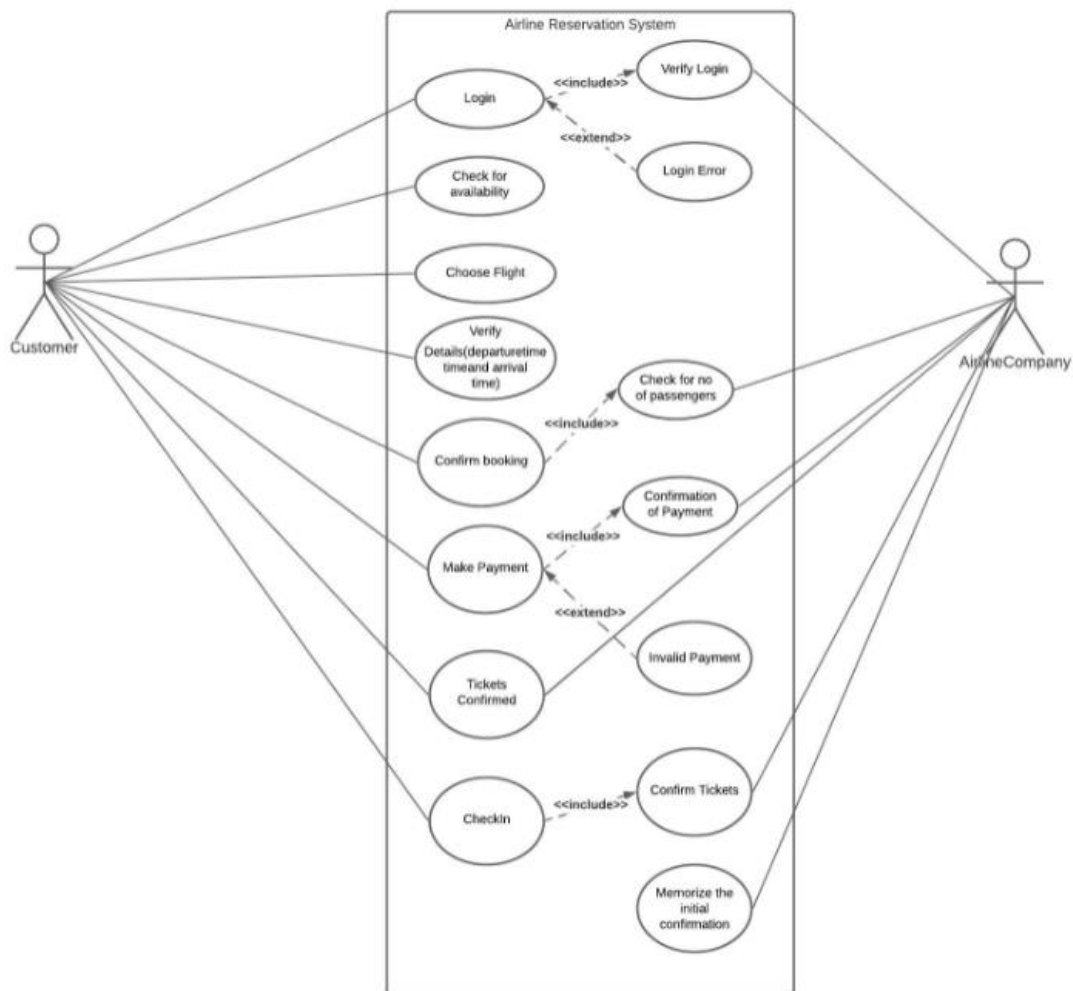
Q2) Class Diagram for Air Form System

Flight

- Departure date: String
- Arrival date:Date
- Airport Departure: String
- Airport Arrival:String
- No of passengers:int
- airplane:String

+ getFlightDetails()
+ CheckNoofPassengers()

Users

- FirstName:String
- lastName:String
- Address:String
- Phone Number:Int
- Ticket Number:Int

+ SearchFlights()
+ ConfirmTickets()
+ BookTickets()

has   1...*   1

has   does   1

has

Reservation

- PassengerFirstName:String
- PassengerLastName:String
- PassengerAddress:String
- PassengerPhoneNo:Int
- TicketPrice:Int
- Booking Date:Int

+CheckAvailability()
+BookTickets()
+ConfirmTickets()
+MemorizeInitialConfirmation()
+ArchiveTickets()
+DeleteTickets()

1..*   1..*

buy   1

1..*

CheckIn

- CheckInDetails:String

+Confirm Tickets()
+ArchiveTickets()
+Delete Tickets()

Tickets

- Ticketno:int
- TicketPrice:int

+ GetTicketPrice()
+ GetSeatNo()

Q3A) Book a Ticket:

Q3 B) Cancel a Ticket:
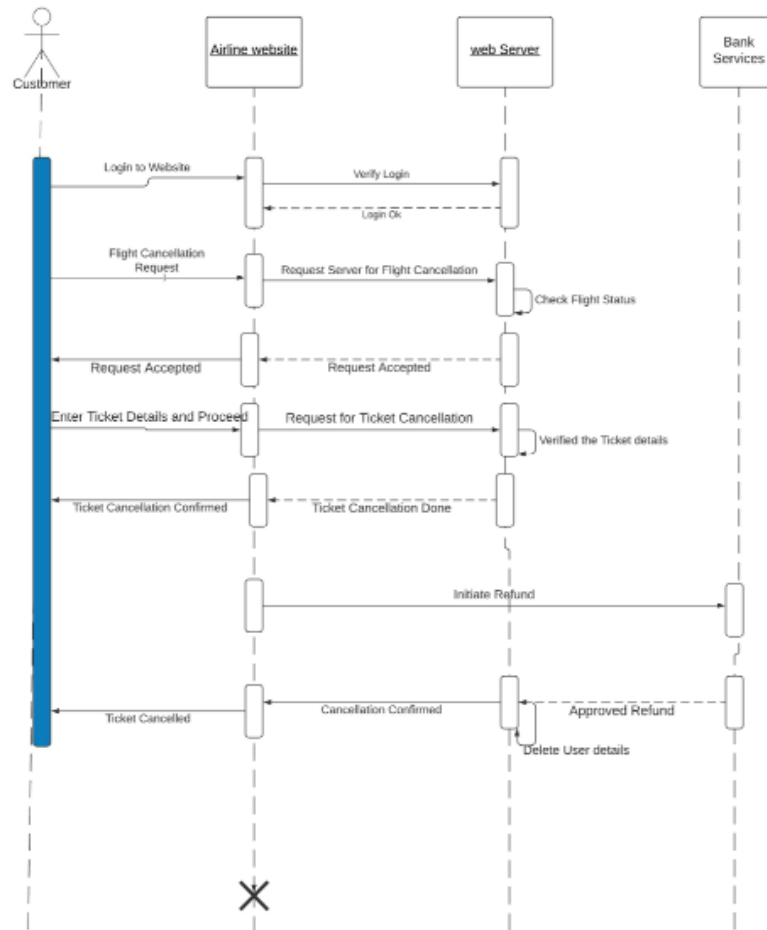
Q4) Extra features that are added for Air Form System for high end tourists and wealthy people

Description: 1) Added Different Class Availability for Flight 1) Business 2) Economy 3) Others

   2) For Business Included like 1) Priority Check-In 2) Complimentary Foods 3) Additional Bags

   3) Issuing Boarding Pass -> Added and Included Express Check-In and Automated Check-In

AirFormSystem

Airline company

Customer

Login — <<include>> → Verify Login

Priority CheckIn

<<include>> → Complimentary Foods

<<extend>>

Login Error

<<include>>

Flight Availability

Business

Display Diff Class Availaiblity for flight — <<include>>

<<include>> → Economy

<<include>>

<<include>>

Assign Seats

Others

Additional Bags

Payment Confirmation

Ticket Booking

Express Check-In

Issuing Boarding Pass — <<include>>

<<include>> → Automated Check-In

Update Details