

Build a System for **Flight** Journey Management and Ticket **Booking**

Entities Involved:

Airlines: [AirIndia, SpiceJet, IndiGo, Vistara]

Flights: [AI-1, SJ-2, IG-3, V-5]

Passengers: [Shreesh, Prabhat]

RelationShip:

Airlines - Flights: **One to Many**

Flights - Passengers: **Many to Many**

Functional Requirements:

Airlines:





































- **Sign In [Airline Admin]**
- **Create Flights:** Assigns Source City, Destination city, Date, Time, Duration, Base Fare
- **View Flights:** View All the flights and their status


- Change Flight Status:

- Cancelled: Before End Time else Disabled
- Completed: Automated and Manual


Passengers:

- **Sign In:** UserName, Password
- **Search:** Search Flights based on
 - Source city
 - Destination city
 - Date
 - Time
- **Book Flight Seat:**
Seat Map will be shown of 20 x 9

	A	B	C	D	E	F	G	H	I
1									
2									
3									
20									

 : Window Seat (10% higher of Base Fare)

 : Normal Seat (Base Fare)

 : Booked Seat

- **Make Payment:** Random Math addition problem
Right Answer => Success
- **Check Bookings:** Check all the booking history
 - Active
 - Expired