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