**Airline Management System**

Problem Definition:

The framework of **Airline Management System** works on the basis of the network existing between the various departments which manage the data of the *Airplanes, Facilities, Flight Details, Ticketing, Customer.*

1. The Airline’s records consists the updated details about the *Airplane names* and the *Ratings* associated with respective Airplanes which will help the customer to choose the respective Airplanes.
2. There are Facilities like *Food Availability*, *Luggage Weight Allowance*, *On Air Wifi*…. provided by the airline which are recognized by a unique *Facility Number*.
3. For each Airline there are Flight Details like a unique *Flight* *ID*, *Flight Frequency*, *Arrival* and *Departure Destinations*, *Flight Number, Booking Price* and *Route Details.*
4. A Customer selects a Flight convenient for them as soon as the Flight is booked the Customer is assigned a unique *Customer ID* and the Database Records the *Name, Age, Gender* and the *Contact Number* of the Customer.
5. After the booking, customer is allotted a Ticket which is identified by a unique *Ticket* *ID*. The Ticket carries details about *Arrival* *time*, *Departure* *time*, *Date* *of* flight, *Seat* type, *Seat* *number* and *Destination* *details*.

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| **Entity** | **Attribute** |
| Airline | Airline Name Ratings |
| Facilities | Type of facility Facility number |
| Flight details | Flight ID  Departure Destination Arrival Destination Flight Number  Route Details  Flight Frequency  Booking Price |
| Ticket | Ticket ID  Departure time Arrival Time Date of flight Seat type |
| Customer | CId Name Age  Gender  Contact number |

