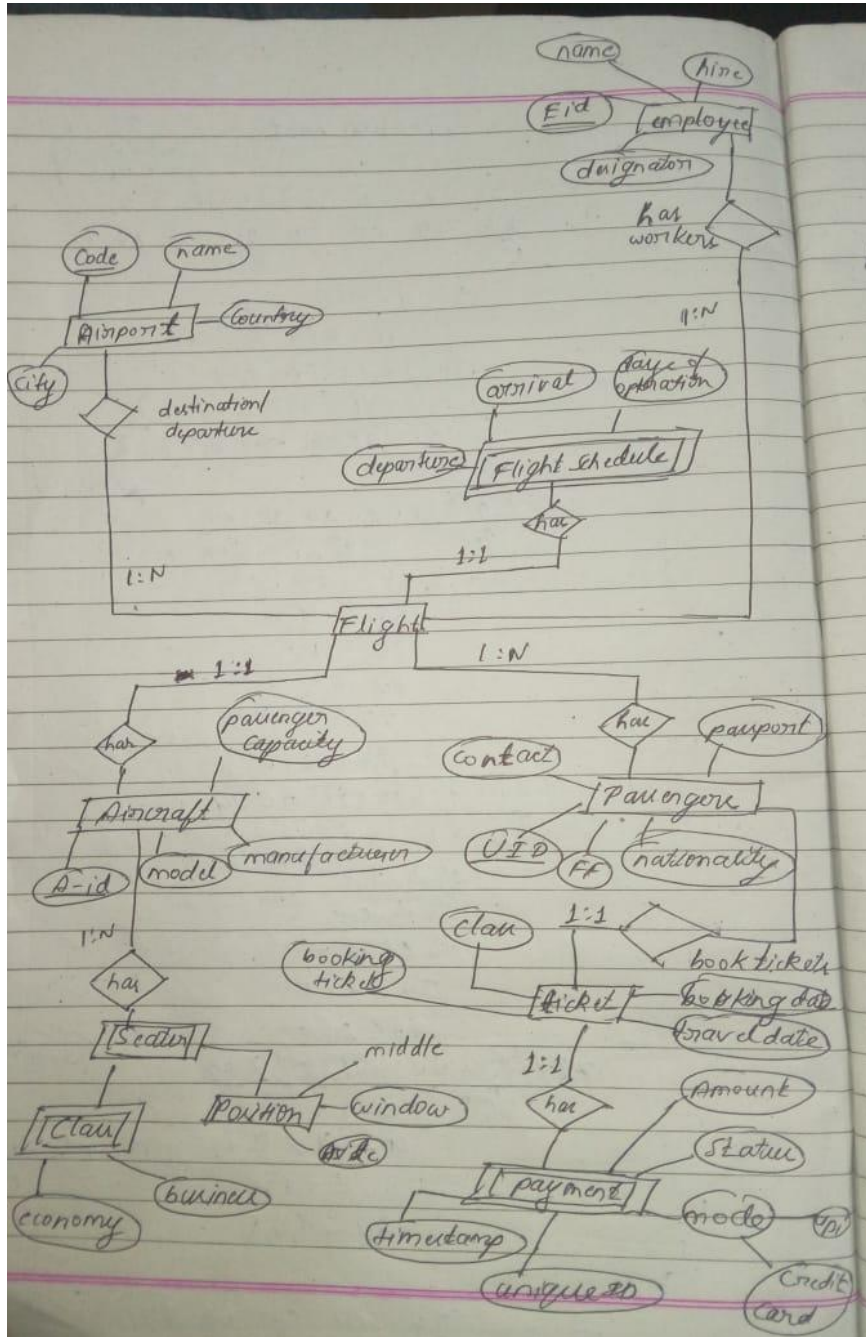


Airline Reservation – A Case Study

Name – keerthan pv

SRN – PES2UG23CS272



1. Airport

Airport Code	Name	City	Country
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2. Flight

Flight number	Departure	Airport Code	Destination Airport code
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3. Aircraft

Aircraft ID	Model	Manufacturer	Passenger Capacity
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4. Flight Schedule

Schedule ID	Departure time	Arrival time	Duration	Days of operation
			Flight No.	Aircraft ID

5. Employee

Employee ID	Name	Designation	Hire date
-------------	------	-------------	-----------

6. Passenger

Passenger ID	Name	Nationality	Contact info	Passport no.	Reward point
--------------	------	-------------	-----------------	-----------------	-----------------

7. Seat

Seat ID	Seat No.	Class	Position	Aircraft ID
---------	----------	-------	----------	-------------

8. Ticket

Ticket ID	Booking date	Travel date	Class	Status	Payment ID
				Passenger ID	Seat ID

9. Payment

Transaction ID	Amount	Payment mode	Payment Status	Payment method
-------------------	--------	-----------------	-------------------	-------------------

1. Airport

Airport (

AirportCode PK,

Name,

City,

Country)

2. Flight

Flight (

FlightNumber PK,

Departure Airport Code FK → Airport (Airport Code)

Destination Airport Code FK → Airport (Airport Code)

3. Aircraft

Aircraft (

AircraftID PK,

Model,

Manufacturer,

PassengerCapacity)

4. FlightSchedule

FlightSchedule (

ScheduleID PK,

Departure time,

Arrival time,

Duration,

Days of operation,

FlightNumber FK → Flight (Flight Number),

AircraftID FK → Aircraft (Aircraft ID)

5. Employee
Employee (
Employee ID PK,
Name,
Designation,
Hiredate.
)

6. Crew assignment (1:1 between Employee & Flight)
Crew assignment (
Employee ID FK → Employee (Employee ID)
Flight Number FK → Flight (Flight Number),
Role on Flight,
Primary key (Employee ID, Flight Number)

7. Passenger
Passenger (
Passenger ID PK,
Name,
Nationality,
Contact info,
passport Number,
Frequent Flyer Number,
Reward points
)

8. Seat
Seat (
Seat ID FK,
Seat No.,
Class,
Position,
Aircraft ID FK → Aircraft ID)

9 Ticket

Ticket (

Ticket-ID PK,

Booking date,

Travel date,

Class,

Status,

Flightno. FK → Flight (FlightNumber),

passenger-ID FK → Passenger (PassengerID),

Seat-ID FK → Seat (SeatID).

10. payment

Payment (

Transaction ID PK,

Amount,

Payment mode,

Payment status,

Payment timestamp)