**AIRPORT MANAGEMENT SYSTEM**

Roll No.: 18BCE134,18BCE135,18BCE141

**Definition:**

Airport management system is a database project which primarily deals with the management of the airport, airlines, passengers and employees working for an airport. The system provides a broad overview of underlying operational factors that influence the airport management.

**Functional Requirements:**

* A system contain airport as entity which has all the information regarding the airport (airport\_name, city, state, country) **\*\*here we validate one airport to one city otherwise there will be one more table regarding city which contain (city, country, state).**
* A system contain airline as entity which has all the information regarding airline (airline\_id, airline­\_name, three-digitcode)
* Both the entities (airport & airline) has relation – contains (airport contains airline) it is one-to-many relation i.e. one airport contain many airline and airline has its total participation.
* A system contains Employee as entity which has all the information regarding employee (ssn, Fname, Mname, Lname, Address, Jobtype, salary, age, phone, etc.)
* Both the entities (airport & employee) has relation -has employee i.e. the information regarding the employee working in airport.
* A system contains Flight as entity which has information regarding Flights (flight\_code, source, destination, arrival\_time, departure\_time, status etc.)
* Both the entities (flight & airline) has relation flight contain i.e. the flight information of airline
* A system contain passenger as entity which has information regarding passenger (p\_id, passportNo. Age, phone, sex, Fname, Lname etc.)
* Both the entities (passenger & flight) has relation carries i.e. information regarding the flight which carries passenger.
* Both the entities (employee & passenger) which has relation serves i.e. the employees which serves to passenger.
* A system contains Ticket as entity which has information regarding ticket (ticket\_no., price, seat\_no, dateoftravel, source etc.)
* Both entities (passenger & ticket) has relation of booking which has attribute of date\_of\_booking.

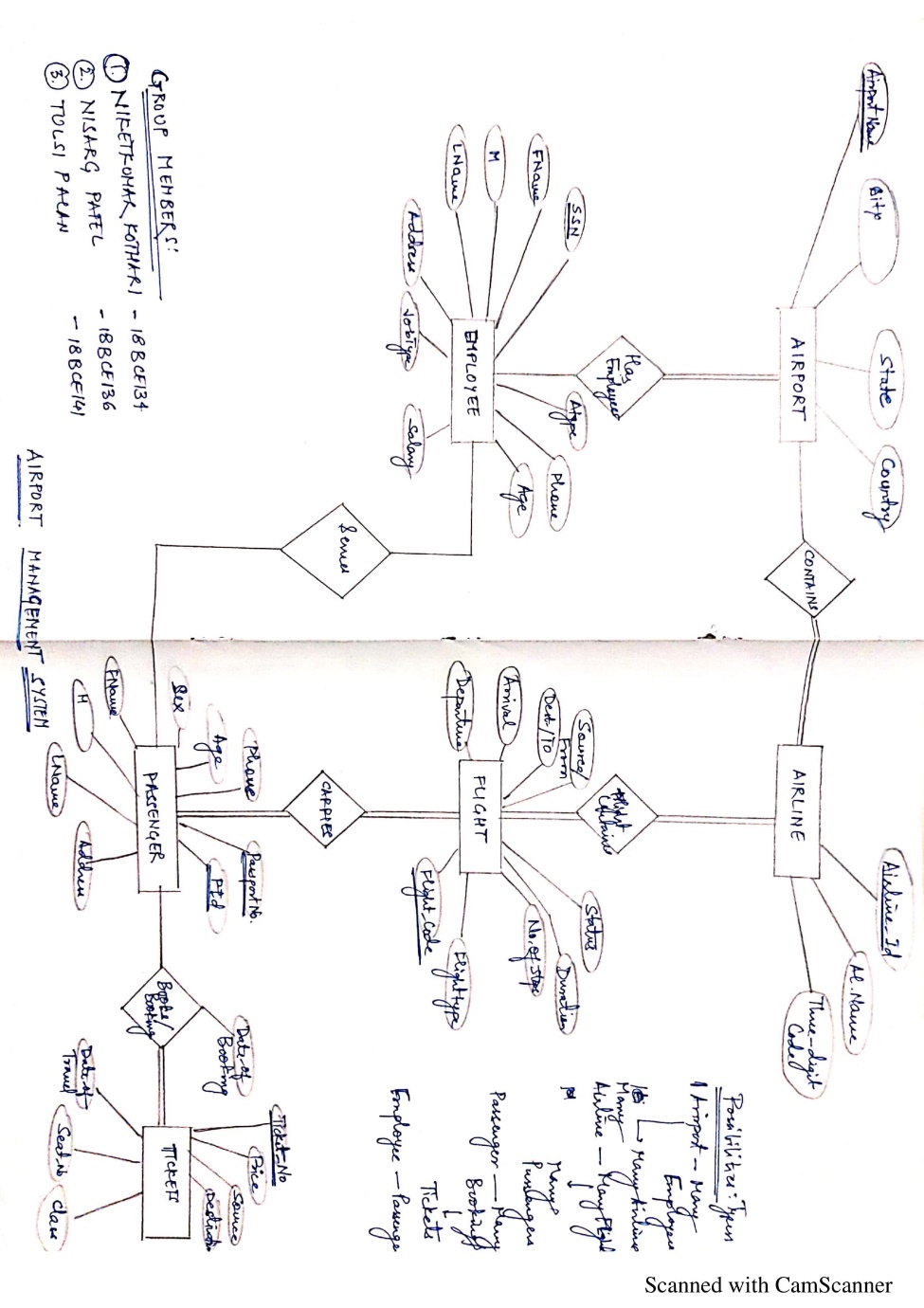
Underlined attributes are the primary key of the respective table.

Thus, we tried to create all the possibilities which are required in managing the details of airport.

**User:**

* Administrator
* Employees
* Passenger

**ENTITY-RELATIONSHIP DIAGRAM**

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