**Airport Management System**

**Airport Management System has following domains**

Company - company name, founding date

Passenger - passenger name, passenger phone, Address

Address - country, city

Trip - trip number, company( that organizes the trip), town\_from, town\_to, time\_out, time\_in.

Pass\_in\_trip - trip\_id, psg\_id, date, place

**Tasks**

**1. Design database for above system.**

**2. Write java program that reads from input files and stores them in db.**

**3. Create Service classes for**

**1.Create Service classes for**

Passenger

Passenger getById(long id)

Set<Passenger> getAll()

Set<Passenger> get(int offset, int perPage, String sort)

Passenger save(Passenger passenger)

Passenger update(Passenger passenger)

void delete(long passengerId)

List<Passenger> getPassengersOfTrip(long tripNumber)

void registerTrip(Trip trip, Passenger passenger)

void cancelTrip(long passengerId, long tripNumber)

Company

Company getById(long id)

Set<Company> getAll()

Set<Company> get(int offset, int perPage, String sort)

Company save(Company passenger)

Company update(Company passenger)

void delete(long companyId)

Trip

Trip getById(long id)

Set<Trip> getAll()

Set<Trip> get(int offset, int perPage, String sort)

Trip save(Trip passenger)

Trip update(Trip passenger)

void delete(long tripId)

List<Trip> getTripsFrom(String city)

List<Trip> getTripsTo(String city)