

AIRPORT MANAGEMENT SYSTEM

DAMG6210-PROJECT GROUP2

CONCEPTUAL ERD VERSION2

CHANGES PERFORMED:

1. Removed **relation** between **Airport** and **Aircraft** as we can draw the Aircraft information from **Airline** or **Flight** Entities.
2. Modified the relation between **Airline** and **Airport** from **many-to-one** to **many-to-many** relationship as Single Airport can hosts multiple airlines and vice-versa.
3. Employee entity is further classified into AirplaneStaff, SecurityStaff, GroundStaff using supertype/subtypes.
4. Renamed GroundSupportInfo, MaintenanceInfo, FlightDetails, PassengerInfo, ParkingInfo, GateInfo to GroundSupport, Maintenance, Flight, Passenger, Parking, Gate for a better business terminology.
5. Included one more relationship Arrives b/w Flight and Airport as we initially mentioned ONLY for Departure but not for Arrival.
6. Relationship between Passenger and Parking has been changed to **many-to-many** from **many-to-one** as one Passenger can book multiple ParkingSlots and vice-versa.

CONCEPTUAL ERD:

