Entity: Tour Operator

* Primary key: ID
* Attributes: name of the company and contact number
* Works for one or more airlines
* Each tour operator has representatives.

Entity: Airline

* Primary key: name
* Attributes: phone number and website
* Has relationship with tour operator.

Entity: Resort Representatives

* Primary key: ID
* Attributes: name and phone number
* Has relationship with tour operator.
* Has relationship with guests.

Entity: Building

* Primary key: number
* Attributes: view, category, and number of rooms
  + Contains rooms.

Entity: Room

* Primary Attribute: room\_number
* Attributes: number of beds, rent and category
  + Occupied by guests and inside building.

Entity: Guest

* Primary Attribute: GID
* Attributes: name and home address
  + Sub entity: (principal vs guest)
    - Principal manages everything and relationship uses services.
  + Occupies a room.

Entity: Services

* Primary Attribute: Service ID
* Attributes: title and associated fee
  + Principal guest is responsible for charges.

Relationship Entity: Reservation

* Attributes: requested service, guest requested the service, date of service, room\_id

Entity: Restaurants

* Primary attributes: ID
* Attributes: name, type and theme

Entity: Restaurants guest record

* Primary attribute: ID
* Attributes: the restaurant, the guest date and type of meal.
  + Relationship with guests and restaurants

Entity: Resort Employee’s

* Primary attribute: ID
* Attributes: name and address
  + Sub entities: Cook, Waiter, Worker
  + Workers Reports to managers.
  + Each cook and waiter work in restaurant.

Entity: Managers

* Primary attribute: ID
* Attributes: name and address
  + Reports to other managers who report to directors.

Entity: Cook

* Attributes: timetable and cooking\_category

Entity: waiter

* Attributes: languages

Entity Worker

* Attributes: specialization