**Dishes** are stored with their identifiers, which should be unique, name of them, prices of them. A dish can possess a variety of types such as Korean, Chinese, and Mexican. Each type of it has a discrete name and its description.

The information about **a restaurant** contains its identifier, which is unique and relates only with itself, types of food that it serves, location of it, phone number, and rating which has been given by customers. **It is assumed that the rating is on a scale of – 0 to – 5 and the restaurant can only have one phone number.** The number of owners of one restaurant should be 1, however, an owner may have and manage several restaurants. He/she should manage more than one restaurant.

**An owner** has a resident registration number, which is unique - subtly different from a social security number, his/her name, and the phone number.

A restaurant can be given **a broadcast**, which may result in higher sales and has a unique name and the name of the broadcasting company. If it was televised, the date when it was done is stored. It can appear on multiple TV shows, and they can show various restaurants.

One restaurant is able to **serve** many dishes and another restaurant may have the same menu that the former one serves. Nevertheless, at least one dish should be served.

The information about **a customer** includes his/her identifier, the name, sex, phone numbers, which means that the phone number can be more than one, points, and his/her preference for the types of dishes.

A customer can **watch** many TV shows. One TV show may be able to be seen by many people.

A customer can **make a reservation** for restaurants, which contains the estimated arrival time and the number of people whom he/she accompanies. A booking for a restaurant can be made by many people and confirmed. A customer can make bookings – for multiple restaurants unless the time slots that are assigned are the same.

A customer must **order** some dishes, even though the number of them is one. The price of ordered dishes and the number of it are stored on the database. One type of dish can be requested by many people.

A **vendor** **delivers and supplies** ingredients such as vegetables and meats to the restaurants. It has a unique vendor code, the name of it, types of products that it has, the price of the ingredients. Each restaurant can acquire some products from multiple vendors, and vendors can also supply them to a variety of restaurants. The ingredients which are given to the restaurant should be from at least one vendor. Date of supplies and the number of them is also stored when they are done.