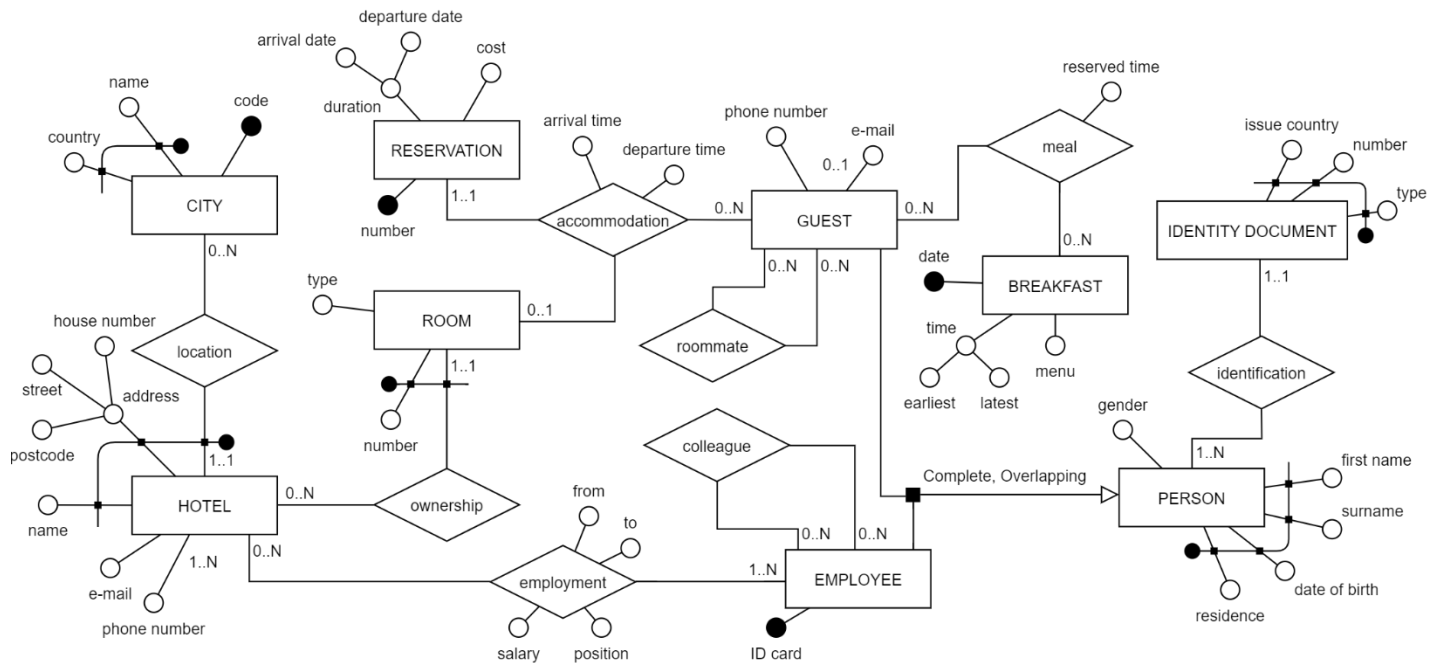


# HOTEL



## ENTITIES

City (country, name, code)

Hotel (name, street, houseNumber, postcode, country, city, e-mail)

FK: (country, city)  $\subseteq$  City (country, name)

PhoneNumber (hotel, street, houseNumber, postcode, country, city, phoneNumber)

FK: (hotel, street, houseNumber, postcode, country, city)  $\subseteq$  Hotel (name, street, houseNumber, postcode, country, city)

Room (hotel, street, houseNumber, postcode, country, city, roomNumber, type)

FK: (hotel, street, houseNumber, postcode, country, city)  $\subseteq$  Hotel (name, street, houseNumber, postcode, country, city)

Reservation (number, cost)

Duration (reservation, arrivalDate, departureDate)

FK: (reservation)  $\subseteq$  Reservation (number)

Breakfast (date, menu, earliest, latest)

Person (firstName, surname, dateOfBirth, residence, gender)

IdentityDocument (issueCountry, type, number, firstName, surname, dateOfBirth, residence)

FK: (firstName, surname, dateOfBirth, residence)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

Employee (firstName, surname, dateOfBirth, residence, ID)

FK: (firstName, surname, dateOfBirth, residence)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

Guest (firstName, surname, dateOfBirth, residence, phoneNumber)

FK: (firstName, surname, dateOfBirth, residence)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

E-mail (e-mail, firstName, surname, dateOfBirth, residence)

FK: (firstName, surname, dateOfBirth, residence)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

## RELATIONSHIPS

Accommodation (reservation, hotel, street, houseNumber, postcode, country, city, roomNumber, firstName, surname, dateOfBirth, residence, arrivalTime, departureTime)

FK: (reservation)  $\subseteq$  Reservation (number)

FK: (hotel, street, houseNumber, postcode, country, city, roomNumber)  $\subseteq$  Room (hotel, street, houseNumber, postcode, country, city, roomNumber)

FK: (firstName, surname, dateOfBirth, residence)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

Meal (firstName, surname, dateOfBirth, residence, breakfastDate, reservedTime)

FK: (firstName, surname, dateOfBirth, residence)  $\subseteq$  Guest (firstName, surname, dateOfBirth, residence)

FK: (breakfastDate)  $\subseteq$  Breakfast (date)

Roommate (firstName1, surname1, dateOfBirth1, residence1, firstName2, surname2, dateOfBirth2, residence2)

FK: (firstName1, surname1, dateOfBirth1, residence1)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

FK: (firstName2, surname2, dateOfBirth2, residence2)  $\subseteq$  Person (firstName, surname, dateOfBirth, residence)

Employment (employee, name, street, houseNumber, postcode, country, city, fromDate, toDate, position, salary)

FK: (employee)  $\subseteq$  Employee (ID)

FK: (hotel, street, houseNumber, postcode, country, city)  $\subseteq$  Hotel (name, street, houseNumber, postcode, country, city)

Colleague (employee1, employee2)

FK: (employee1)  $\subseteq$  Employee (ID)

FK: (employee2)  $\subseteq$  Employee (ID)