

# Hotel with lady companions

As a topic for my database I have chosen a company owning at least 1 hotel in Amsterdam red-light-district with a possibility to book a room with a woman's company.

Used entity types (assigned attributes viz. ER diagram):

- Hotel
- Room
- Room Type
- Employee
- Cleaner
- Lady companion
- Customer
- Timestamp

A reservation in this system is a quaternion – Room, Timestamp, Customer, Lady companion. Customer is formed with his/her first reservation. Every customer can say whether some other customer recommended the hotel for him/her and thus provide him/her discount for next reservation.

Every hotel in the company has its own rooms and employees. The employees must be either a cleaner or a companion or they might be both at the same time.

In our database scheme employees and rooms do not exist without its hotel.