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Hotel Room Booking Scenario

The following data model is designed to hold information relating to a Hotel Room Booking System.

For this scenario we need to define the following facts:

These facts define the requirements which the Database must meet and should be agreed between the Database User and the Database Designer prior to physical creation.

A local hotel needs a system that keeps track of its bookings (future, current and archived), rooms and guests. A room can be of a particular type and a particular price band. Room prices vary from a room to a room (depending on its type, available facilities, band, etc.) and from a season to a season (depending on the time of the year).

A room booking can include more than one room and more than one customer.

The draft facts have been defined as:

The Entities required should include:

- Customers
- Guests
- Rooms
- Bookings
- Payments
- Room Types
- Price Bands
- Room Facilities

The Entities are related as follows:

- A Customer can make one or many Bookings.
- A Booking can be for one or many Guests - the Guest is not necessarily the person who makes the Booking.
- A Room can be on one or many Bookings.
- A Room may have many different Room Facilities.

When asking questions of the database we may need to know:

1. How many rooms are currently available for booking?
2. What facilities are available in particular rooms?
3. Which Guests are booked in this week?

The following data model allows these questions to be answered and allows the information contained above to be stored logically and in a structured manner.

To view the model please go to: Relationships for Hotel Room Booking System Data Model

Please download the data model relating to Relationships for Hotel Room Booking System which is contained in the zipped up Microsoft Word document.

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