CSC 621 First Programming Exercise

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Part II

Hotel
hotelNumber{PK}
hotelName
city

1..1   has   1..99

Room
roomNumber{PK}
hotelNumber{PK}
type
price

Booking
hotelNumber{PK}
guestNumber{PK}
dateFrom{PK}
dateto
roomNumber

0..*

books

0..1

Guest
guestNumber{PK}
guestName
guestAddress
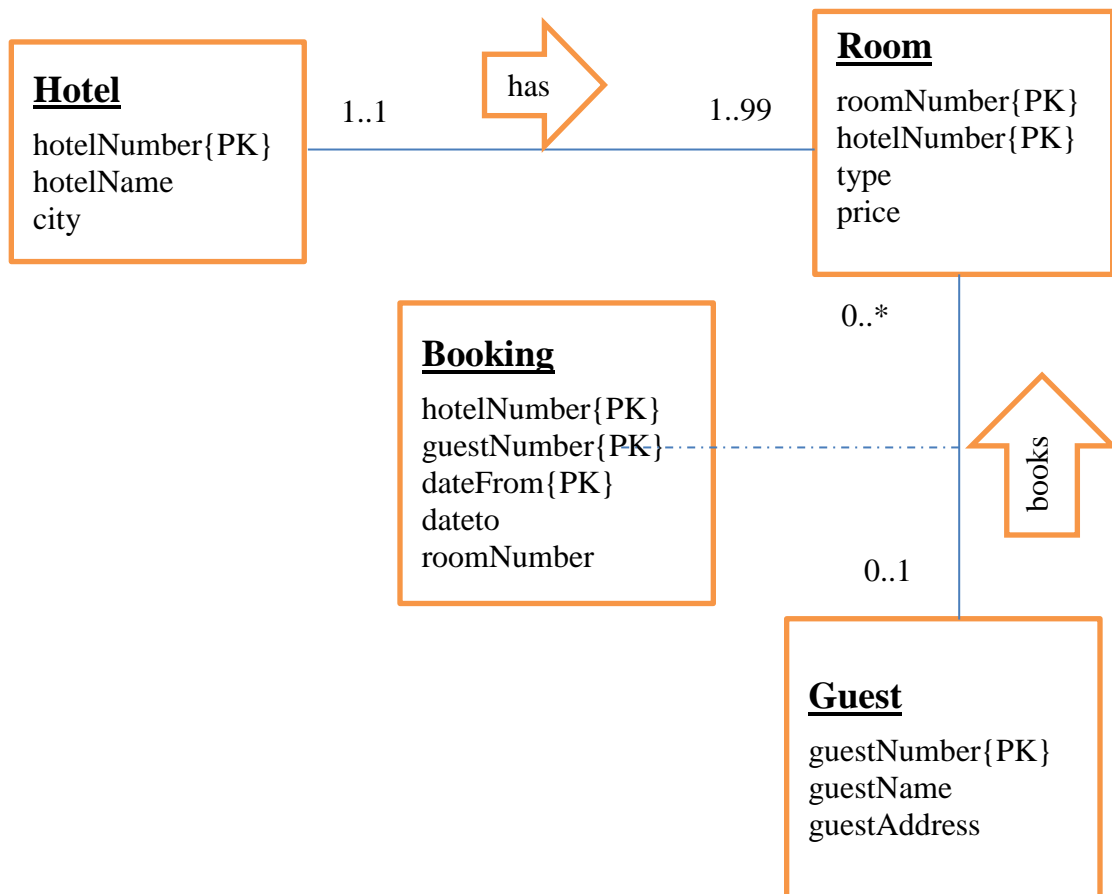
The relationships between entity **Hotel** and entity **Room** is "**has**", and the multiplicity values between them can be explained as: each hotel has at least one

room, the meantime itself will be limited to 99 rooms, each room must belong to exactly one hotel.

The relationships between entity **Guest** and entity **Room** is "**books**", and the multiplicity values between them can be explained as: each guest can book zero room, the meantime he can many rooms, and each room must be booked by at most one guest and can be available.