CSC 621 First Programming Exercise

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Part II

**Room**

roomNumber{PK}

hotelNumber{PK}

type

price

**Hotel**

hotelNumber{PK}

hotelName

city

has

1..99

**our text here**

1..1

**our text here**

0..\*

**our text here**

**Booking**

hotelNumber{PK}

guestNumber{PK}

dateFrom{PK}

dateto

roomNumber

books

0..1

**our text here**

**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.