Database Structure Hotel Booking System 2015/4/3 Yu Jun 26346702

1. Database table Structure:

Database Hilton

1) Booker1 table:

| bookerID VARCHAR(255) V V IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Default | ΑI | ZF | UN | BIN | UQ | NN | PK | Datatype | Column Name |
|--|---------|----|----|----|-----|----|----|----|--------------|-------------|
| telePhone VARCHAR(45) | | | | | | 1 | 1 | 1 | VARCHAR(255) | bookerID |
| email VARCHAR(45) | | | | | | | 1 | | VARCHAR(45) | bookerName |
| ` ' = = = = = = | | | | | | | 1 | | VARCHAR(45) | telePhone |
| passwd VARCHAR(45) | | | | | | | 1 | | VARCHAR(45) | email |
| | | | | | | | 1 | | VARCHAR(45) | passwd |
| | | | | | | | | | | |

2) Hotel1 table:

| Column Name | Datatype | PK | NN | UQ | BIN | UN | ZF | ΑI | Default |
|-------------|-------------|----------|----|----|-----|----|----|----|---------|
| hotelID | INT(11) | V | 1 | 1 | | | | | |
| citystr | VARCHAR(45) | | 1 | | | | | | |
| location | VARCHAR(45) | | 1 | | | | | | |
| bandstr | VARCHAR(45) | | J | | | | | | |
| vacantrooms | INT(11) | | 1 | | | | | | |
| roomrate | DOUBLE | | 1 | | | | | | |
| roomNo | INT(11) | | 1 | | | | | | |
| | | | | | | | | | |

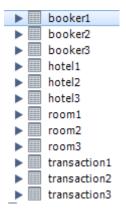
3) Room1 table:

| Column Name | Datatype | PK | NN | UQ | BIN | UN | ZF | ΑI | Default |
|--------------|------------|----------|----|----------|-----|----|----|----|---------|
| roomID | INT(11) | V | 1 | V | | | | | |
| checkinDate | DATE | | 1 | | | | | | |
| checkoutDate | DATE | | 1 | | | | | | |
| hotelID | INT(11) | | 1 | | | | | | |
| isavail | TINYINT(1) | | 1 | | | | | | '0' |
| | | | | | | | | | |

4) Transaction1 table:

| Column Name | Datatype | PK | NN | UQ | BIN | UN | ZF | ΑI | Default |
|-------------------|--------------|----------|----|----|-----|----|----|----|---------|
| tranID | VARCHAR(255) | V | 1 | 1 | | | | | |
| roomID | INT(11) | | 1 | | | | | | |
| bookDT | DATE | | 1 | | | | | | |
| booker I D | INT(11) | | 1 | | | | | | |
| creditNO | VARCHAR(255) | | 1 | | | | | | |
| hotelID | INT(11) | | 1 | | | | | | |
| | | | | | | | | | |

Comments: Since the Hilton, regent, and chevron are put into the same table with different table names but the same properties and column names. So regent and chevron's tables are omitted. You can go to my id26346702 database to check the details.



5) This table name with sequence NO. 2 is for the chevron, and NO.3 is for the regent server.

Comments: since every hotel must have its room table and hotel tables to maintain the information of this hotel, they also need to store the bookers' information to verify their identity. And the transaction table is used to store the booking information to make sure that a particular booker has already booked this particular room. And the transaction table must have the roomid and bookerid to be the foreign key to represent the reasonable booking.