Q1.

1. For the issue with improper arrival and departure date, we can create another table DATE, and add an attribute of duration of stay in HOTELSTAYS table. Within DATE table, we can use arrival data and duration of stay from its parent table as Foreign Key and Primary Key, then calculate the departure date for users, which avoids the accidentally mess up with those two dates.

2.For handling second issue about reusing identical room. A self-defined function can be used with a return value of departure date. Then for every time the user inquires a room, the room number returns a departure date and compares with the arrival date that user entered to determine whether this room is available for the user.