CS 4400
PHASE III
GROUP 9

Pamela Shwayri
Josh Dotson
Rudy Diaz
Shelby Brown

SELECT Cust_User FROM Customer WHERE Cust_User = **userVar** AND Cust_Password = **passVar;**

SELECT Man_User FROM Manager WHERE Man_User = **manUserVar** AND Man_Password = **manPassVar;**

SELECT DISTINCT Room_Location FROM Room;

SELECT Room_Num, Room_Categ, Num_People, Cost_Per_Day, Extra_Bed_Cost FROM Room WHERE Room_Location = **locVar** AND NOT EXISTS(SELECT * FROM Reservation WHERE NOT Res_Cancelled AND Room_Location = Res_Location AND Room_Num = Res_RoomNum AND (Start_Date <= **startDateVar** AND End_Date >= **endDateVar** OR Start_Date <= **startDateVar** AND End_Date >= **endDateVar** OR Start_Date >= **startDateVar** AND End_Date <=**endDateVar**))

 INSERT INTO Payment_Information VALUES (**cardNumVar, cvvVar, expDateVar, cardNameVar, cardUserVar**)

DELETE FROM Payment_Information WHERE Card_Num = **cardNumVar** AND NOT EXISTS(SELECT * FROM Reservation WHERE Card_Num = Res_CardNum AND End_Date > **endDateVar** AND NOT Res_Cancelled)

INSERT INTO Reservation VALUES (**resIDVar, roomNumVar, locVar, startDateVar, endDateVar, costVar, extraBedVar, 0, userVar, cardNumVar**)

SELECT COUNT(*) FROM Reservation WHERE NOT Res_Cancelled AND Res_ID != **resIDVar** AND (Start_Date <= **startDateVar** AND End_Date >= **endDateVar** OR Start_Date <= **startDateVar** AND End_Date >= **endDateVar** OR Start_Date >= **startDateVar** AND End_Date <= **endDateVar**)

UPDATE Reservation SET Start_Date = **startDateVar**, End_Date = **endDateVar**, Tot_Cost = **costVar** WHERE Res_ID = **redIDVar** AND NOT EXISTS(SELECT * FROM Payment_Information WHERE Res_CardNum = Card_Num AND Exp_Date < **expDateVar**)

INSERT INTO Customer VALUES (**userVar, emailVar, passVar**)

INSERT INTO Manager VALUES (**manUserVar, manPassVar**)

SELECT Card_Num, Exp_Date FROM Payment_Information WHERE Card_User = **cardVar**

SELECT Reservation.Res_ID, Reservation.Start_Date, Reservation.End_Date, Reservation.Res_ExtraBed, Room.* FROM Reservation, Room WHERE NOT Res_Cancelled && Res_User = **resUserVar** && Res_RoomNum = Room_Num && Res_Location = Room_Location

SELECT Rating, Comment FROM Hotel_Review WHERE Location = **locVar**

INSERT INTO Hotel_Review VALUES (**locVar, ratingVar, commentVar, userVar**)

SELECT Res_Location, COUNT(*) FROM Reservation WHERE Start_Date >= **startDateVar** AND Start_Date < **endDateVar** GROUP BY Res_Location

```sql
SELECT R.Room_Categ, R.Res_Location, MAX(R.Cnt)
FROM (
SELECT Res_Location, Room_Categ, COUNT(Room_Categ) AS Cnt FROM Room, Reservation WHERE
Start_Date >= startDateVar AND Start_Date < endDateVar AND Res_RoomNum = Room_Num AND
Res_Location = Room_Location GROUP BY Res_Location, Room_Categ ORDER BY Res_Location, Cnt
) AS R
GROUP BY R.Res_Location

SELECT R.Res_Location, SUM(R.Tot_Cost) FROM (
SELECT DISTINCT Res_ID, Res_Location, Tot_Cost FROM Reservation WHERE Start_Date >=
startDateVar AND Start_Date < endDateVar AND Res_Cancelled = 0
) AS R GROUP BY Res_Location
```