HOTEL RESERVATION SYSTEM

ST II Project (2017 Weekend batch)

Group members

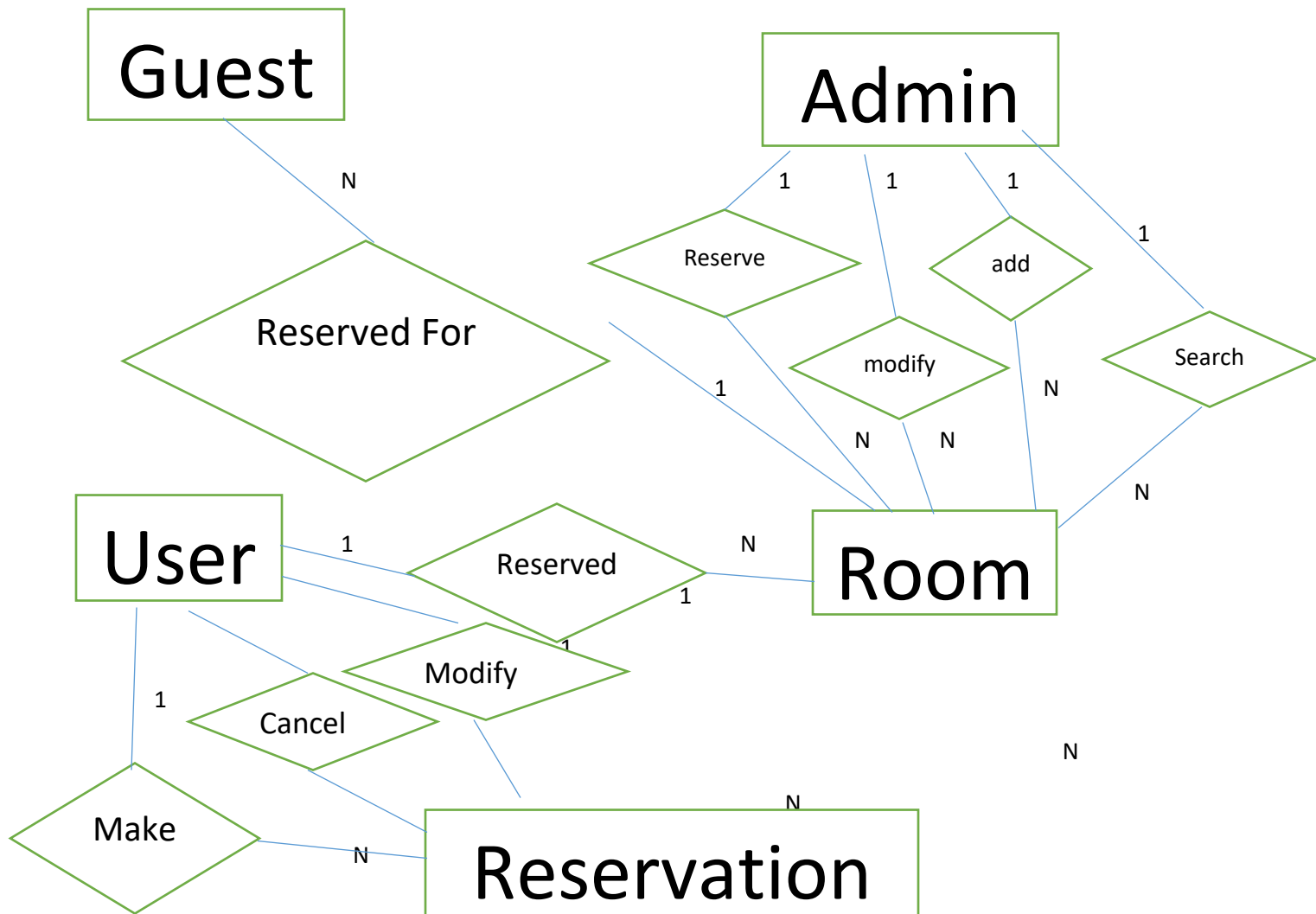1.Gowshalini Rajalingam   IT16113800

2.Zuhair Ahmed   IT16124868

3.Izzath Bisthumi   IT16124868

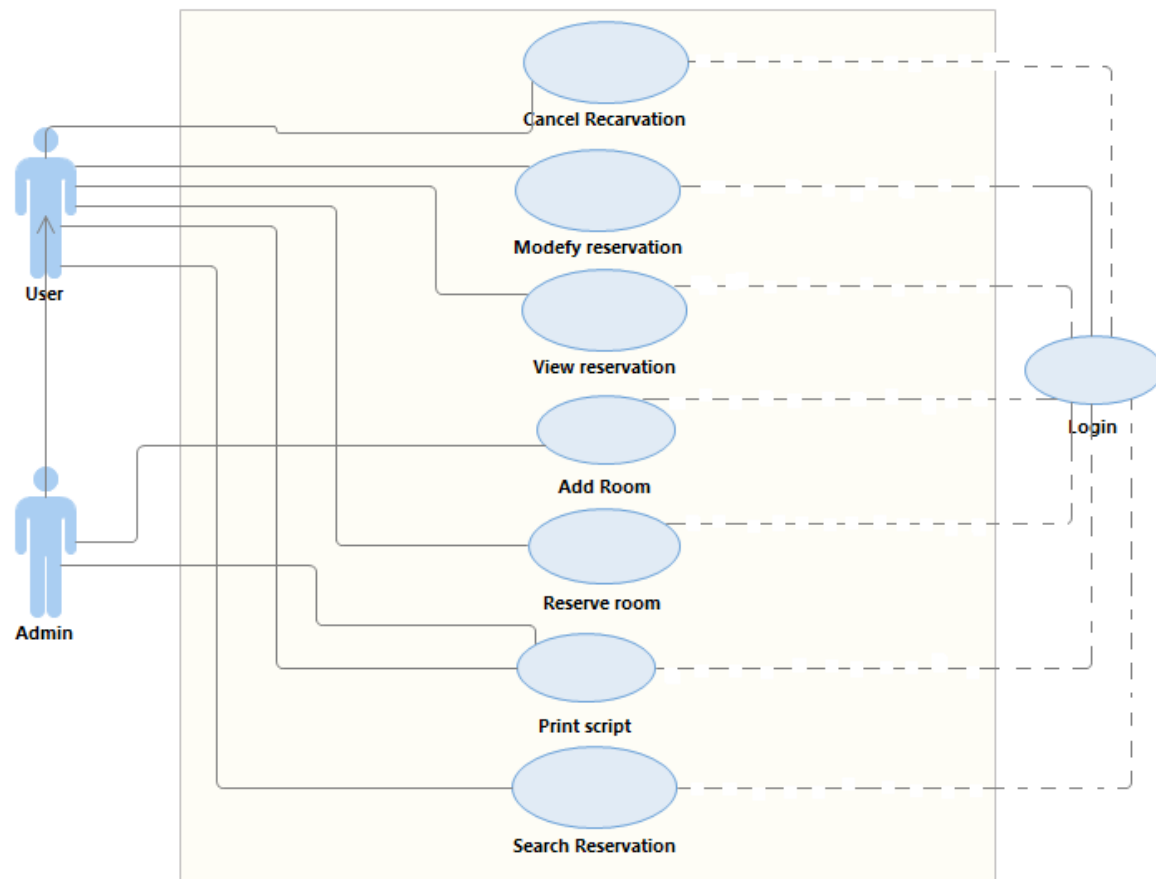4. Rajagopalasarma   IT16037984

Introduction

The Hotel Reservation System will provide services to online customers, employees and administrator. This system is a computerized system used to store, retrieve, search and conduct transactions related to booking rooms in a hotel. This system will use RDBMS to store data. Objectives of this system are avoiding manual and repetitive work, real time information of availability of rooms, provide a website that can allow user to search and reserve a hotel room or cancel reservation over internet any time and improving decision making.

We have used java programming language and MySQL database to design the system and the report has been created using iReport.

ER Diagram

Use case Diagram

Cancel Recarvation

Modefy reservation

View reservation

Add Room

Reserve room

Print script

Search Reservation

Login

User

Admin

Functional Requirements

1.function: Add room

input: room No , specialName, Ac/nomAc, masterbedroom /not, NoOfAdults, No of minors price per day.

process: Adding room details to the databaseroom table for the respective columns.

output:Next (successfully added)

2.function: reserve room.

input: checking Date, checkoutDate, Aircondition/Not, masterBadroom/not, food(breakfast, lunch, dinner), No of Adults, NoOfMinors.

process: Calculate total price, display available rooms conforming reservation.

display: MessageBox to display confirming the reservation.

3.function: search reservation.

input: StartDate, EndDate.

process: Generate reservation details of respective customer (bignaped customer)

output: Display reservation details of a respective customer.(notcanceled reservation)

4.function: Cancel Reservation

input: selected row in the jtable (reservationId)

process:change the reserved field value to cancel reservation

making respective room available.

output:confirmation messeage.

5.function:modify Reservation

input: checking Date, checkoutDate, Aircondition/Not, masterBadroom/not, food(breakfast, lunch, dinner), No of Adults, NoOfMinors.

process: Display allometically the reservation details of a respective customers selected registration details in modify page.

    modify the reservation details (Same as reserve room function)

    change the respective values in database.

output:Confirmation message.

    display avalilable room details. display total price. display all the respective details.

6.function:View reservation(user)

input:respective customer id automatically

process:generate specific customers reservation details from database.

output:Display reservation details.

7.function: Search user details

input:userId.

process:retreive data from user table for respective user.

output:display user details.

8.function: Search room details

input:roomId

process:retreive data from room table for respective roomID

output:display the room details.

iReport

Tables in the data base

1. Reservation

2. Room

3. Guest

4. User

Room table fields

1. roomNo

2. specialName

3. ac

4. masterBedroom

5. maxAdlut

6. maxMinor

7. pricePerDay

8. reserved

Reservation Table fields

1. reservationId

2. reserved

3. checkindate

4. checkoutdate

5. identity

6. roomNo

7. reservedBy

8. days

9. pricePerDay

10. price

11. reservedDate

12. masterbedroom

13. ac

14. breakfast

15. lunch

16. dinner

User table fields

1. email
2. PASSWORD
3. Phone
4. Identity
5. Address
6. name

Guest table fields

1. name
2. phoneNumber
3. address
4. identity

Contribution

Gowshalini Rajalingam IT16113800–

- view Reservation
- Search Reservation
- Modify reservation
- Documentation

Zuhair Ahmed   IT16124868–

- Sign in
- Sign up
- Documentation

Izzath Bisthumi   IT16124868–

- Add new rooms
- Documentation

Jayaraman Rajagopalasarma IT16037984 -

- Cancel Reservation
- Documentation