INDIAN INSTITUTE OF TECHNOLOGY, INDORE

Guest House Booking Platform

Documentation for Diagrams

BY –

YASH GUTGUTIA, NAMAN JAIN, PRITESH PALOD, PRAKHAR RAI
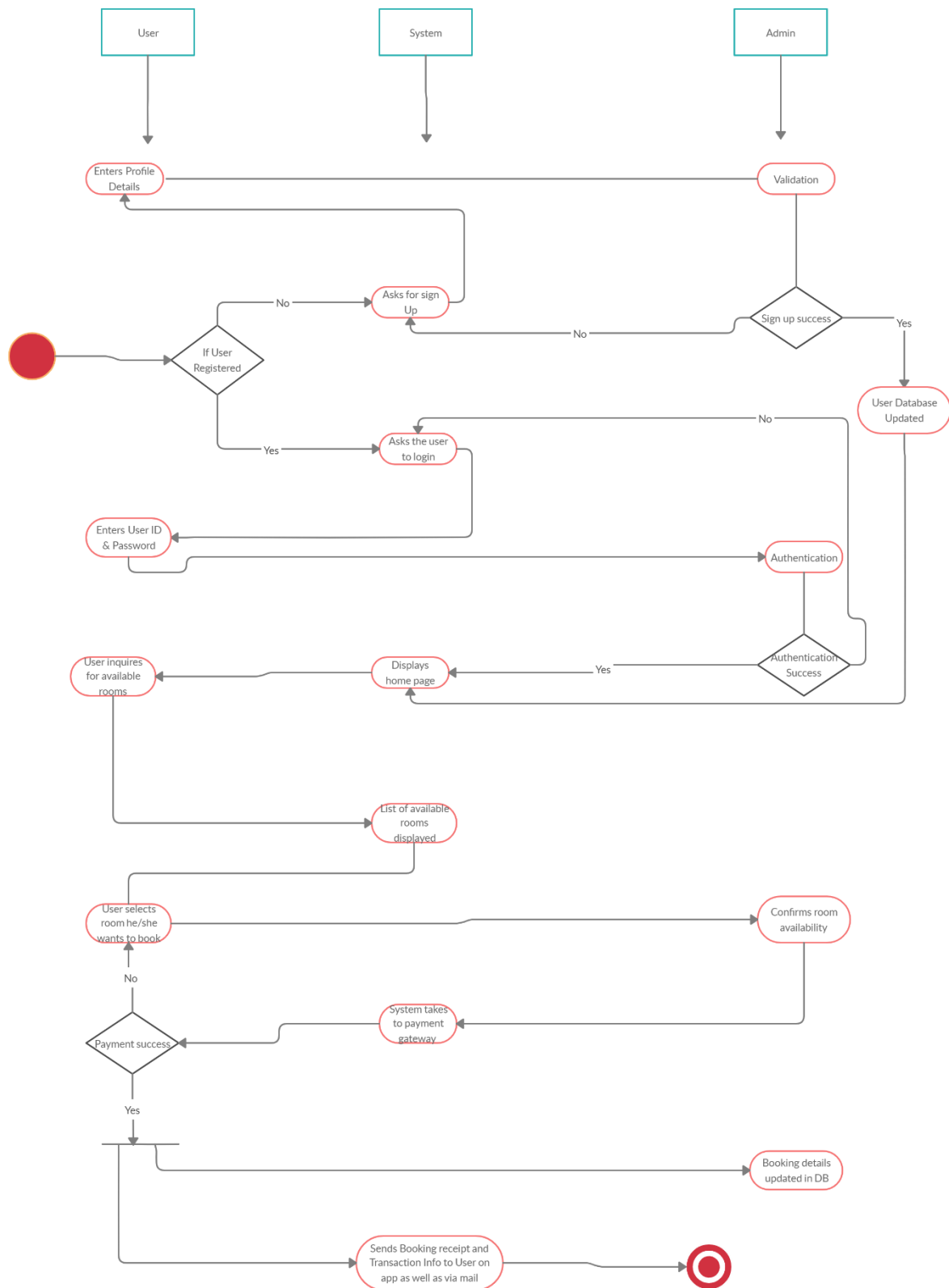
(180001064)   (180001031)   (180001038)   (180001035)

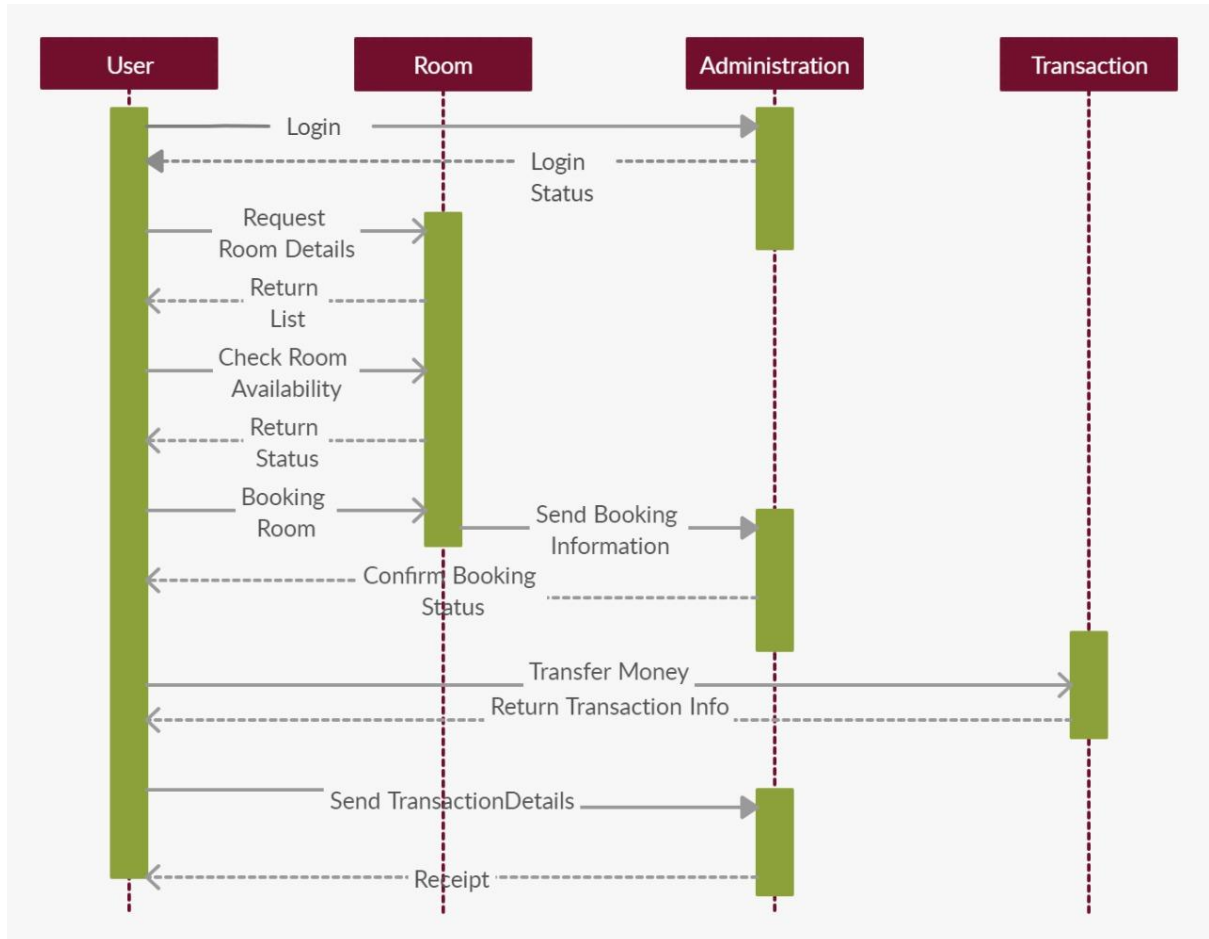In partial fulfilment of the requirements

for the degree of

Bachelor of Technology in Computer Science

- # ACTIVITY DIAGRAM

Activity diagram captures the dynamic behaviour of the system. activity diagram is used to show message flow from one activity to another.

- # SEQUENCE DIAGRAM

A sequence diagram simply depicts interaction between objects in a sequential order i.e. the order in which these interactions take place. The terms event diagrams or event scenarios are also used to refer to a sequence diagram.

- # STATE DIAGRAM
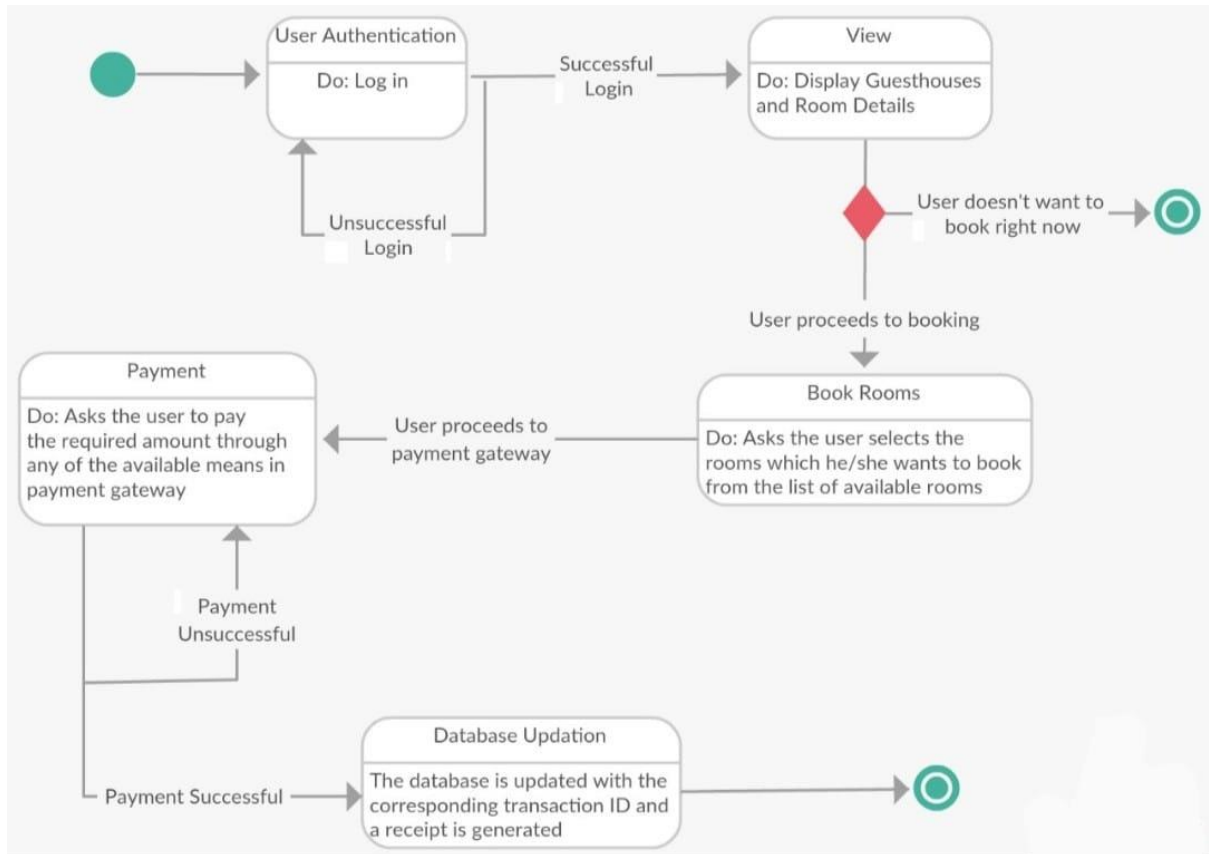
State Diagrams are used to model the dynamic nature of a system. They define different states of an object during its lifetime and these states are changed by events.

- USE CASE DIAGRAM
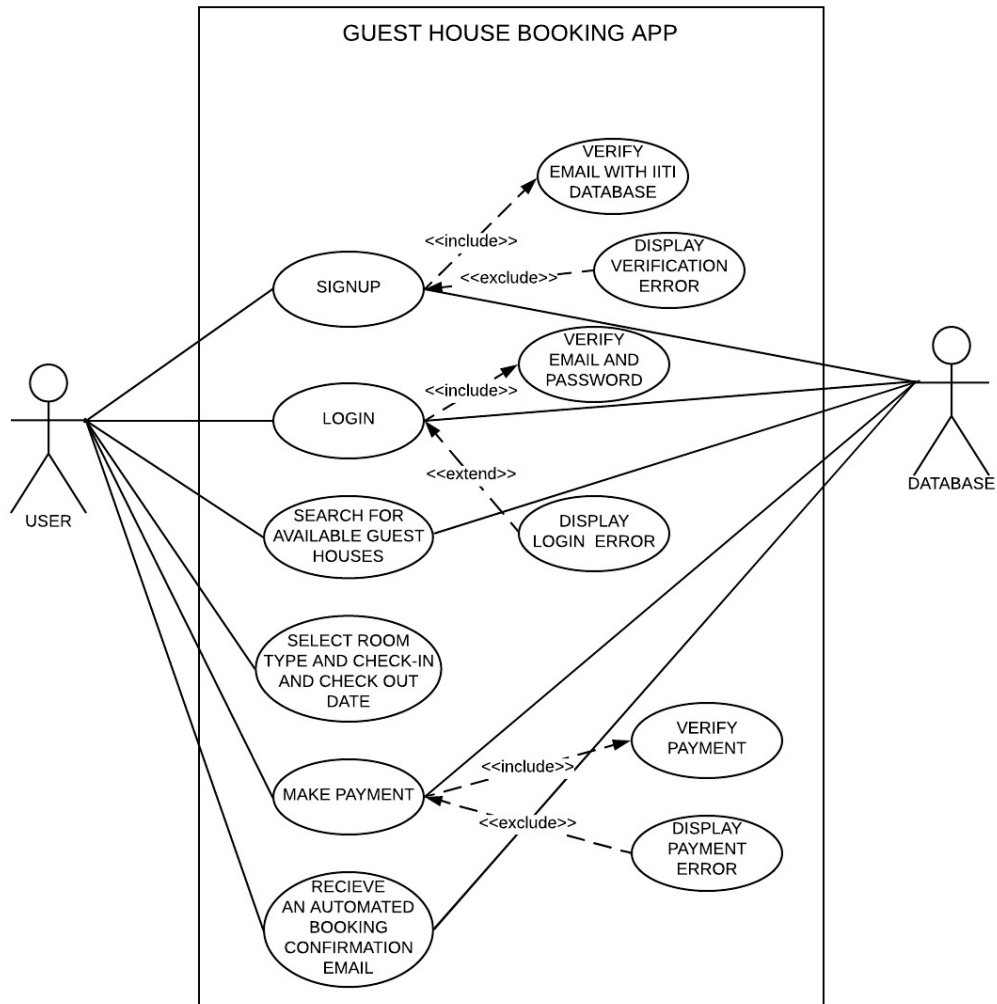
Use case diagrams are used to gather the requirements of a system including internal and external influences.

- ## CLASS DIAGRAM
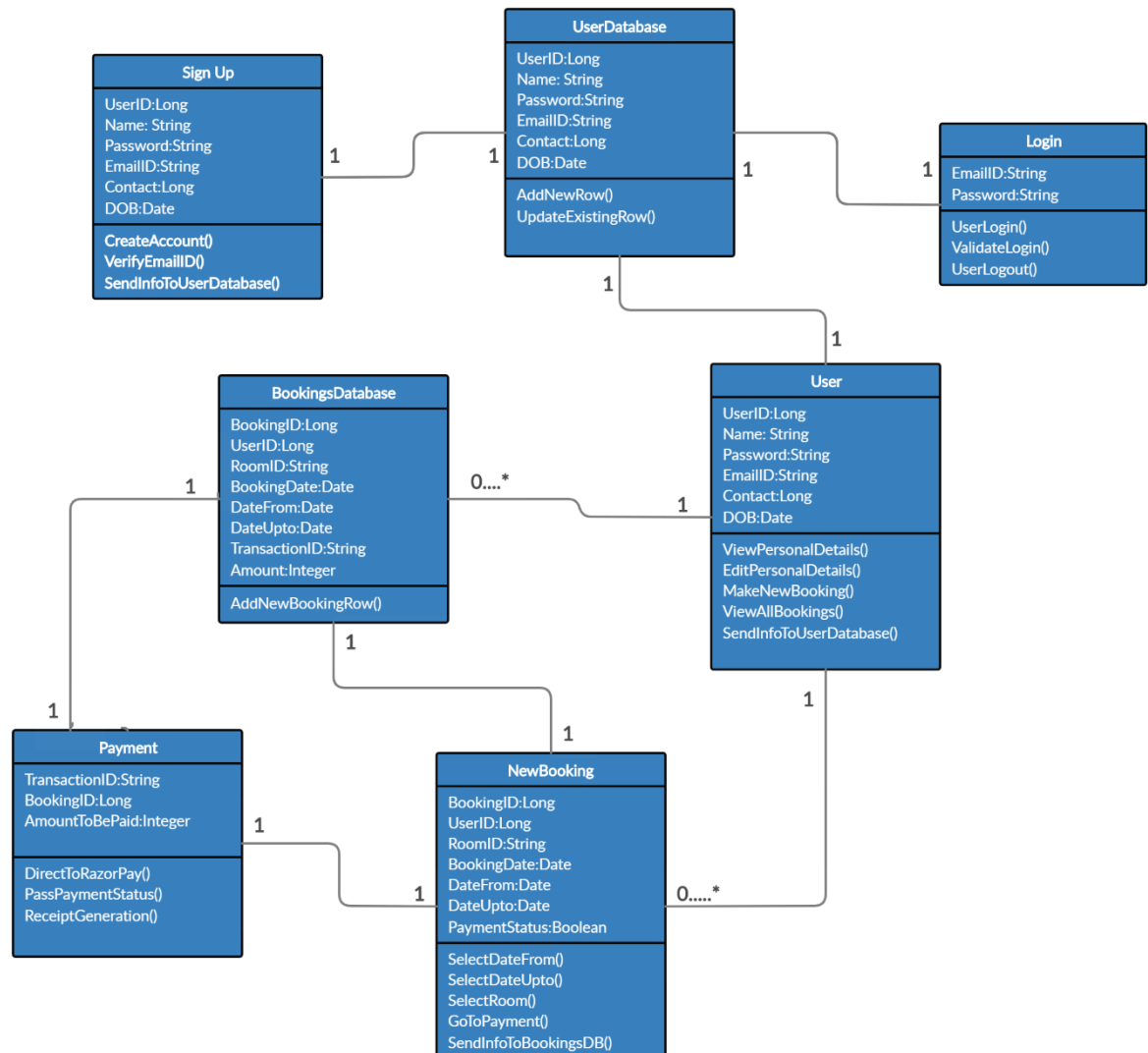
UserDatabase
UserID:Long
Name: String
Password:String
EmailID:String
Contact:Long
DOB:Date

AddNewRow()
UpdateExistingRow()

Sign Up
UserID:Long
Name: String
Password:String
EmailID:String
Contact:Long
DOB:Date

CreateAccount()
VerifyEmailID()
SendInfoToUserDatabase()

Login
EmailID:String
Password:String

UserLogin()
ValidateLogin()
UserLogout()

1   1   1   1

1

1

User
UserID:Long
Name: String
Password:String
EmailID:String
Contact:Long
DOB:Date

ViewPersonalDetails()
EditPersonalDetails()
MakeNewBooking()
ViewAllBookings()
SendInfoToUserDatabase()

BookingsDatabase
BookingID:Long
UserID:Long
RoomID:String
BookingDate:Date
DateFrom:Date
DateUpto:Date
TransactionID:String
Amount:Integer

AddNewBookingRow()

1   0....*   1

1

1

Payment
TransactionID:String
BookingID:Long
AmountToBePaid:Integer

DirectToRazorPay()
PassPaymentStatus()
ReceiptGeneration()

NewBooking
BookingID:Long
UserID:Long
RoomID:String
BookingDate:Date
DateFrom:Date
DateUpto:Date
PaymentStatus:Boolean

SelectDateFrom()
SelectDateUpto()
SelectRoom()
GoToPayment()
SendInfoToBookingsDB()

1   1   1   0.....*   1

The purpose of class diagram is to model the static view of an
application. Class diagrams are the only diagrams which can be directly
mapped with object-oriented languages and thus widely used at the
time of construction.

- # ER DIAGRAM
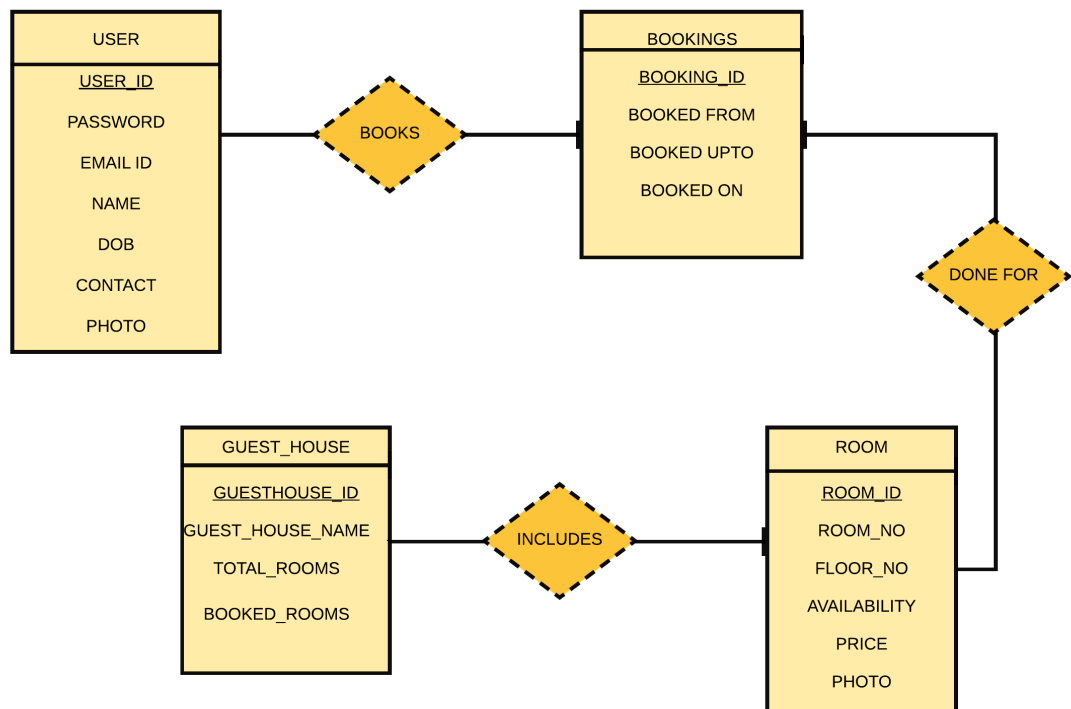
ER diagram describes the structure of the database and the relationships between the various entities.