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## 1. Introduction

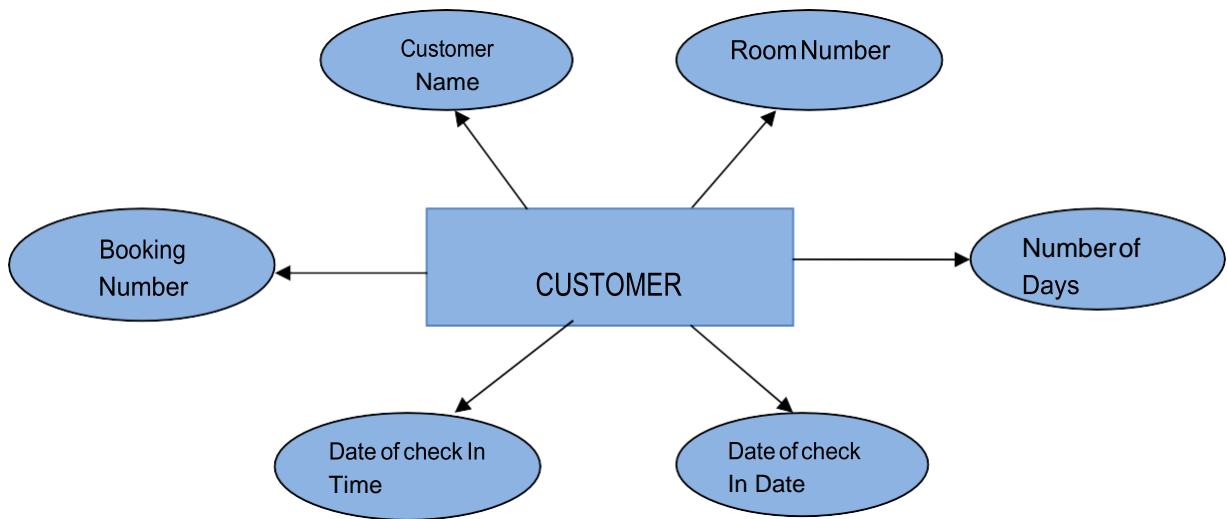
This project is based on a GUI application used in hotel management system. The application contains many JFrameForms used to manage data through database connectivity. The application is connected to a database in mysql. The database contains two tables which contain records of customers. The application can be used to add new customer entry which contains details like name, phone number, booking number, room type, etc. Details of all present and previous customers can be obtained along with details of date and time of entry. During check out existing entries can be deleted. Room availability can be also checked through this application.

Thus, application is very much useful in managing the data records of customers in the hotel.

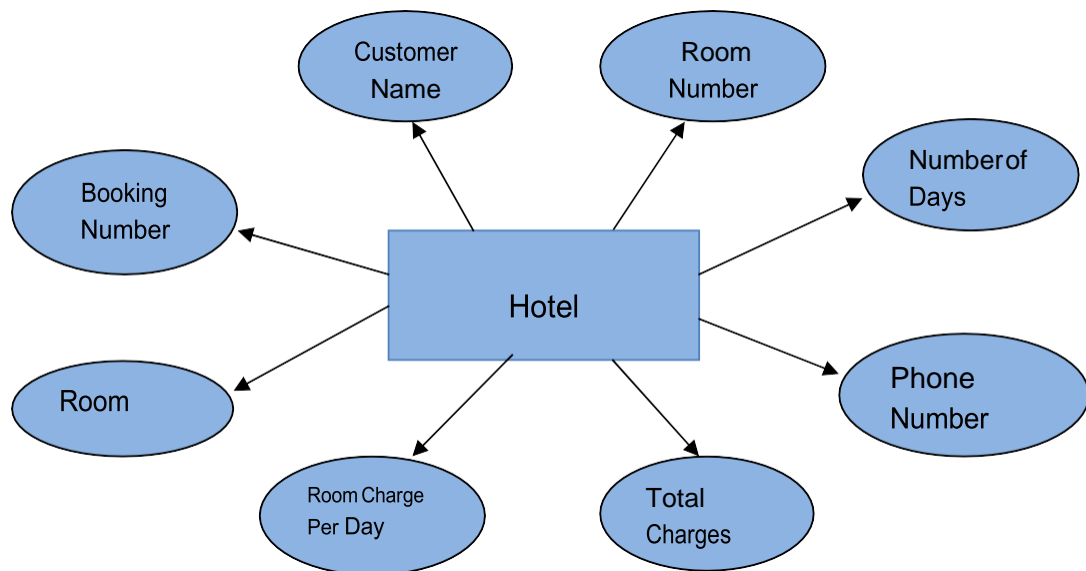
## 2. Analysis and Design :

### ENTITIES

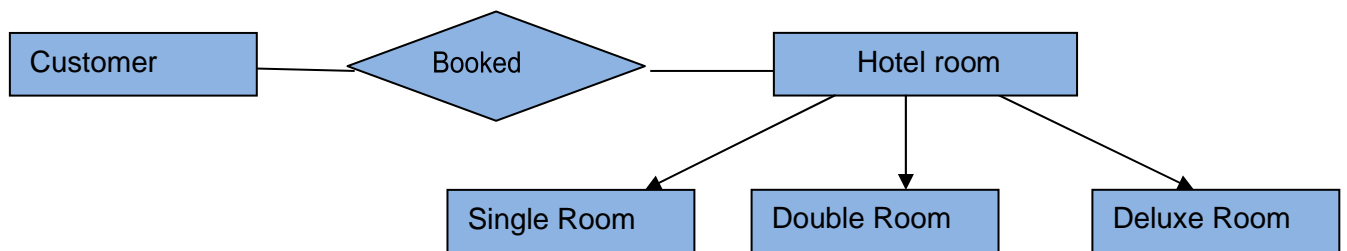
#### Customer



#### Hotel



# E-R DIAGRAM (Entityrelationship diagram)



### 3. Design

Following Technology is used to develop this system

Database : MySQL Community Server (GPL) – Version 5.5.17

Software/Language : NetBeans IDE 8.2

#### Database Design:

This project contains following two tables

Hotel

Customer

The structure of tables is as follows

#### 3.1. Table Structure

##### Table : Hotel

```
mysql> CREATE TABLE HOTEL
-> (
-> booking_no      int(11)
-> name            varchar(20),
-> phno            varchar(10),
-> roomno          int(11),
-> roomtype        varchar(20),
-> NOdays          int(11) ,
-> PDC             int(11),
-> TA              int(11) ,
-> PRIMARY KEY (booking_no )
-> )
-> ;
Query OK, 0 rows affected (0.12 sec)
```

```
mysql> desc hotel;
```

Field	Type	Null	Key	Default	Extra
booking_no	int(11)	NO	PRI	0	
name	varchar(20)	YES		NULL	
phno	varchar(10)	YES		NULL	
roomno	int(11)	YES		NULL	
roomtype	varchar(20)	YES		NULL	
NODays	int(11)	YES		NULL	
PDC	int(11)	YES		NULL	
TA	int(11)	YES		NULL	

```
8 rows in set (0.08 sec)
```

Table: Customer

```
mysql>
mysql> CREATE TABLE customer
-> (
-> Name varchar(20),
-> book_no int(11),
-> room_no int(11),
-> dateofentry date,
-> time time,
-> NOD int(11) ,
-> PRIMARY KEY (book_no )
-> )
-> ;
Query OK, 0 rows affected (0.16 sec)
mysql>
```

```
mysql> desc customer;
```

Field	Type	Null	Key	Default	Extra
Name	varchar(20)	YES		NULL	
book_no	int(11)	NO	PRI	0	
room_no	int(11)	YES		NULL	
dateofentry	date	YES		NULL	
time	time	YES		NULL	
NOD	int(11)	YES		NULL	

```
6 rows in set (0.02 sec)
```

Table: Admin

Field	Type	Null	Key	Default	Extra
admin_id	int(11)	NO	PRI	NULL	
Username	varchar(20)	YES		NULL	
Password	varchar(20)	YES		NULL	

### 3.2. Sample Table Data

```
mysql> select * from hotel;
```

booking_no	name	phno	roomno	roomtype	NODays	PDC	TA
1	<name>	NULL	2	Single	NULL	NULL	NULL
3	<name>	NULL	3	Single	NULL	NULL	NULL
4	<name>	NULL	4	Double	NULL	NULL	NULL
5	<name>	NULL	5	Double	NULL	NULL	NULL
7	<name>	NULL	7	Deluxe	NULL	NULL	NULL
8	<name>	NULL	8	Deluxe	NULL	NULL	NULL
11	Manav	8895632144	6	Double	2	4000	8000
12	Mudit	9874561233	1	Single	2	2000	4000

8 rows in set (0.00 sec)

```
mysql> select * from customer;
```

Name	book_no	room_no	dateofentry	time	NOD
Manav	11	6	2017-12-03	20:23:20	2
Mudit	12	1	2017-12-03	19:59:54	2
Vidit	13	5	2017-12-03	20:02:02	1
Harsh	15	5	2017-12-03	20:22:19	1

4 rows in set (0.00 sec)

## 4. Activities

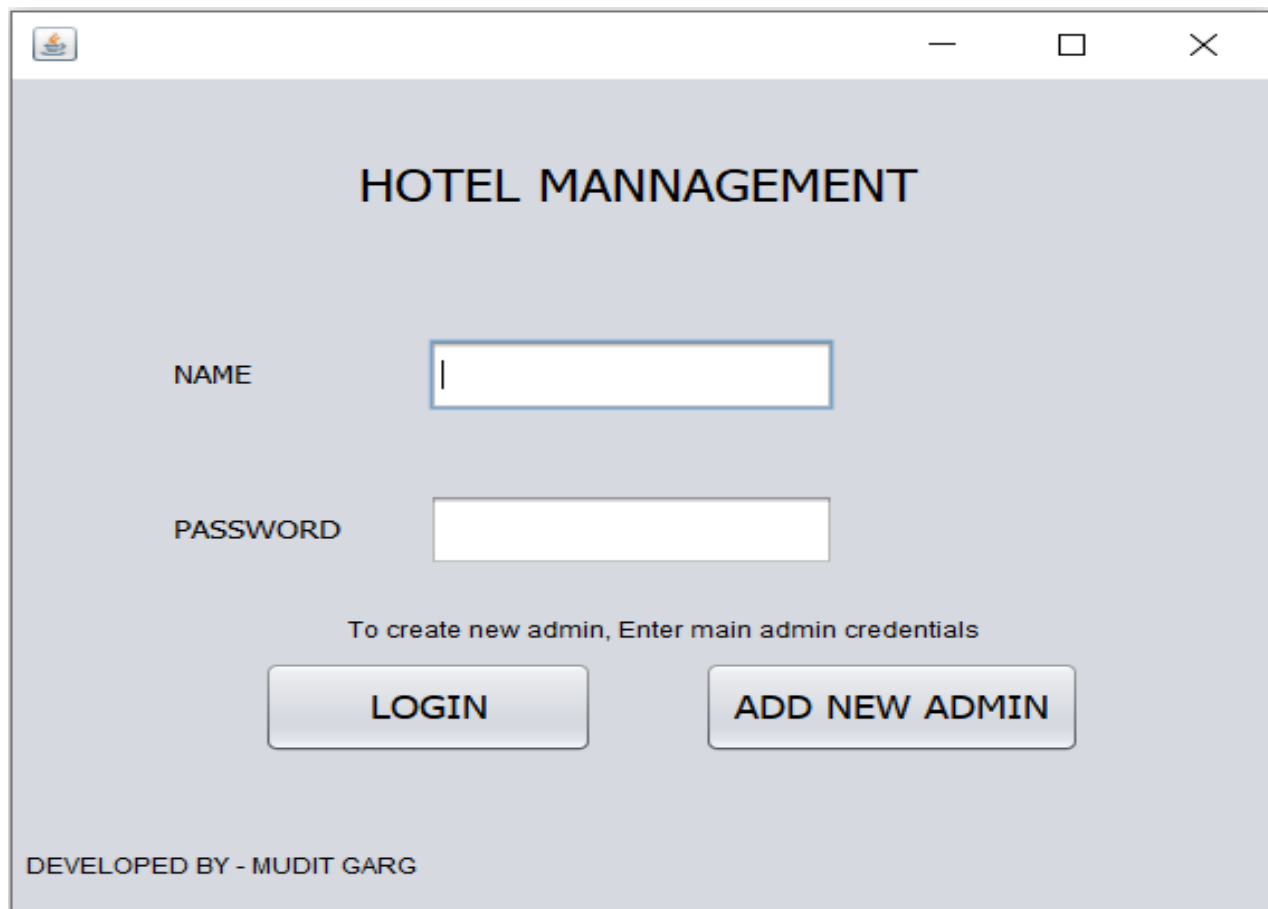
### 4.1. Login Screen

Initially Hotel staff have to login into system using this screen

It contain two input field User name and the password .

New Admin can be also be created.

#### 4.1.1. Screen Shot



The screenshot shows a Java Swing window titled "HOTEL MANNAGEMENT" (sic). The window has a light gray background. At the top center, the title "HOTEL MANNAGEMENT" is displayed in a large, bold, black font. Below the title, there are two input fields. The first is labeled "NAME" and the second is labeled "PASSWORD". Both labels are in a bold, black font. The "NAME" field is a white text box with a blue border, and the "PASSWORD" field is a white text box with a gray border. Below the input fields, there is a line of text: "To create new admin, Enter main admin credentials". At the bottom of the window, there are two buttons: "LOGIN" and "ADD NEW ADMIN". Both buttons are white with a gray border and a slight shadow. At the very bottom left of the window, there is a small text label: "DEVELOPED BY - MUDIT GARG". The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

#### 4.1.2. code

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    //LOGIN BUTTON  
  
    String a = jTextField1.getText();  
    String b = jTextField2.getText();  
    if (!a.isEmpty() || !b.isEmpty()) {  
  
        try {  
            Class.forName("java.sql.Driver");  
            java.sql.Connection con =
```



```
DriverManager.getConnection("jdbc:mysql://localhost:3306/mudit", "root", "madhu304");
```

```
Statement stmt = (Statement) con.createStatement();
```

```
String query = "select * from admin;";
```

```
ResultSet rs = stmt.executeQuery(query);
```

```
int t = 0;
```

```
while (rs.next()) {
```

```
    String name = rs.getString("Username");
```

```
    String pass = rs.getString("Password");
```

```
    if (a.equals(name) && b.equals(pass)) {
```

```
        this.setVisible(false);
```

```
        Hotel_Mannagement n = new Hotel_Mannagement();
```

```
        n.setVisible(true);
```

```
        t = 1;
```

```
        break;
```

```
    }
```

```
}
```

```
if(t == 0){
```

```
    JOptionPane.showMessageDialog(this, "Incorrect Username or Password");
```

```
    jTextField1.setText("");
```

```
    jTextField2.setText("");
```

```
}
```

```
} catch (Exception e) {
```

```
    JOptionPane.showMessageDialog(this, e.getMessage());
```

```
}
```

```
} else {
```

```
    JOptionPane.showMessageDialog(this, "Please enter Username and Password");
```

```
}
```

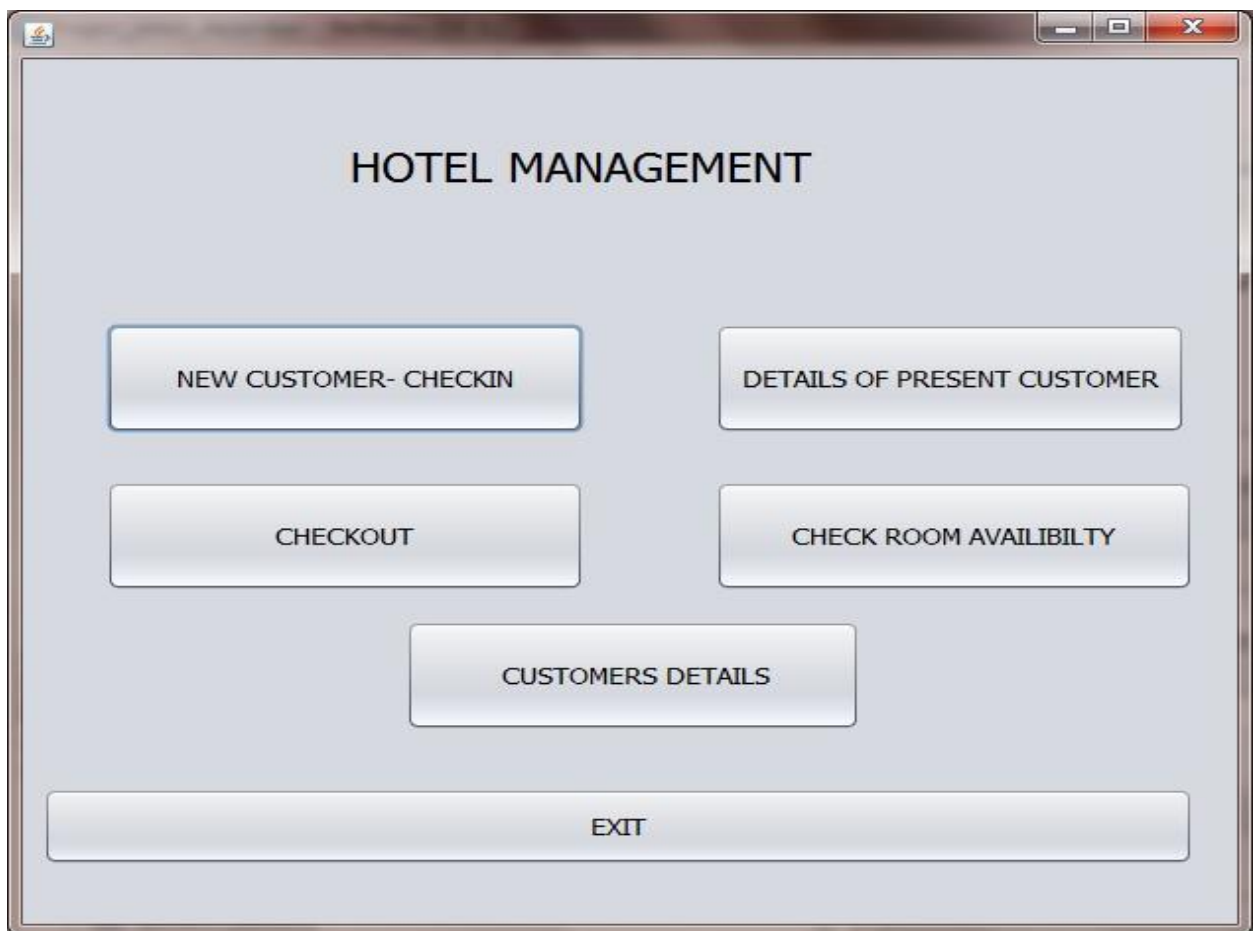
## 4.2. Hotel Management

This is main screen for Hotel Management system. It contain following main sub function

- ✓ New Customer – Check in
- ✓ Details of present Customer
- ✓ Checkout
- ✓ Check room Availability
- ✓ Customer Details
- ✓ Exit

Functionality of each function will explain in further in this document.

### 4.2.1. Screen Shot



#### 4.2.2. Code

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    //EXIT BUTTON  
    System.exit(0);  
    // TODO add your handling code here:  
}  
  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    //NEW CUSTOMERBUTTON  
    this.setVisible(false);  
    Newcustomer n = new Newcustomer();  
    n.setVisible(true);  
  
}  
  
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    //DETAILS OF ALL present CUSTOMERS BUTTON  
    this.setVisible(false);  
    DETAILS m = new DETAILS();  
    m.setVisible(true);  
  
}  
  
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  
    //DELETE BUTTON  
    this.setVisible(false);  
    Delete d = new Delete();  
    d.setVisible(true);  
  
}  
  
private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {  
    //ROOM AVAILABILITY BUTTON  
    this.setVisible(false);  
    room_available d = new room_available();  
    d.setVisible(true);  
}
```

```
// TODO add your handling code here:
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    //DETAILS OF ALL PREVIOUS CUSTOMERS BUTTON
    this.setVisible(false);
    alldetails d = new alldetails();
    d.setVisible(true);
// TODO add your handling code here:
}
```

### 4.3. Add New Customer

This Screen is used for Adding new customer in the hotel management system.

#### 4.3.1. Screen Shot

**NEW CUSTOMER**

NAME: Mudit

BOOKING NO: 12

PHONE NO: 9874561233

ROOM TYPE: Single

Room no: 1

NO OF DAYS: 2

CHARGES PER DAY: 2000

TOTAL AMOUNT: 4000

**Room Availability Table:**

Roomtype	Roomno
Single	2
Single	3
Double	4
Double	5
Deluxe	7
Deluxe	8

**Buttons:** CHECK ROOM AVAILABILITY, SAVE, CLEAR, BACK, EXIT

#### 4.3.2. Code

```
private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {  
    //ROOM AVAILABILITY BUTTON  
    DefaultTableModel model=(DefaultTableModel)jTable1.getModel();  
    int l=model.getRowCount();
```

```

for (int i = 0; i < l; i++)
{
    model.removeRow(0);
}
try {
    Class.forName("java.sql.Driver");
    java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

    Statement stmt = (Statement) con.createStatement();

    String query = "select roomtype,roomno from hotel where name='<name>' order
by roomno;";
    ResultSet rs =stmt.executeQuery(query);

    while (rs.next())
    {
        String roomtype = rs.getString("roomtype");
        int roomno = rs.getInt("roomno");

        model.addRow(new Object[]{roomtype, roomno});

    }

    int a = model.getRowCount();
    JOptionPane.showMessageDialog(null, "There are " + a + " rooms available ");

}
catch (Exception e)
{
    JOptionPane.showMessageDialog(null, "error");
    JOptionPane.showMessageDialog(this, e.getMessage());
}

// TODO add your handling code here:
}

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
//CALCULATE AMOUNT BUTTON
    int k;
    String c = jComboBox1.getSelectedItem().toString();
    int nod = Integer.parseInt(jTextField5.getText());

    if (c.equals("Single")) {
        k = 2000;
        jTextField7.setText(Integer.toString(k * nod));
        jTextField6.setText("2000");
    } else if (c.equals("Double")) {
        k = 4000;
        jTextField7.setText(Integer.toString(k * nod));
        jTextField6.setText("4000");

    } else if (c.equals("Deluxe")) {
        k = 6000;
        jTextField7.setText(Integer.toString(k * nod));
        jTextField6.setText("6000");
    }

    jButton1.setEnabled(true);

    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
//SAVE BUTTON
try {
    Class.forName("java.sql.Driver");
    java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

    int g, k = 0;
    String rt;//room type
    rt = jComboBox1.getSelectedItem().toString();
    switch (rt) {

```

```

        case "Single":
            k = 2000;
            break;
        case "Double":
            k = 4000;
            break;
        case "Deluxe":
            k = 6000;
            break;
        default:
            break;
    }
    jTextField6.setText("" + k);
    String b = jTextField1.getText();//name
    int a = Integer.parseInt(jTextField2.getText());//booking no
    Long c = Long.parseLong(jTextField3.getText());//phno
    int d = Integer.parseInt(jTextField4.getText());//room no
    int e = Integer.parseInt(jTextField5.getText());// no of days
    g = k * e;
    jTextField7.setText("" + g);
    Statement stmt = (Statement) con.createStatement();

    String query = "select name from hotel where roomno=" + d + ";";
    String query1 = "select * from customer where book_no=" + a + ";";

    ResultSet rs2 = stmt.executeQuery(query1);
    if(rs2.next())
        JOptionPane.showMessageDialog(null, "Booking number is used before");
    else
    {
        ResultSet rs = stmt.executeQuery(query);
        if (rs.next())
        {
            String n = rs.getString("name");
            if (n.equals("<name>"))
            {

```



```

        String query2 = "update hotel set booking_no=" + a + ",name='" + b +
        "',phno='" + c + "',NODays='" + e + "',PDC='" + k + "',TA='" + g + "' where roomno=" + d + "
        and roomtype='" + rt + "' order by roomno;";
        stmt.executeUpdate(query2);
        JOptionPane.showMessageDialog(null, query2);

        ResultSet rs1 = stmt.executeQuery(query);

        if (rs1.next())
        {
            n = rs1.getString("name");
            if (n.equals("<name>"))
            {
                JOptionPane.showMessageDialog(null, "room " + d + " is not available for
                selected room type");
            } else
            {
                String query3 = "insert into customer values('" + b + "', " + a + ", " + d +
                ", curdate(), curtime(), " + e + ")";
                stmt.executeUpdate(query3);
                JOptionPane.showMessageDialog(null, "Saved Successfully");
            }
        }
    }
    else
    {
        JOptionPane.showMessageDialog(null, "Room is not available");
    }
}

stmt.close();
con.close();
}

```

```

catch (Exception e)
{

    JOptionPane.showMessageDialog(this, e.getMessage());
    JOptionPane.showMessageDialog(this, "enter correct value");

}
jButton1.setEnabled(false);

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
//CLEAR BUTTON
    jTextField1.setText("");
    jTextField2.setText("");
    jTextField3.setText("");
    jTextField4.setText("");
    jTextField5.setText("");
    jTextField6.setText("");
    jTextField7.setText("");

    // TODO add your handling code here:
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
//BACK BUTTON
    this.setVisible(false);
    Hotel_Mannagement d = new Hotel_Mannagement();
    d.setVisible(true);

    // TODO add your handling code here:
}

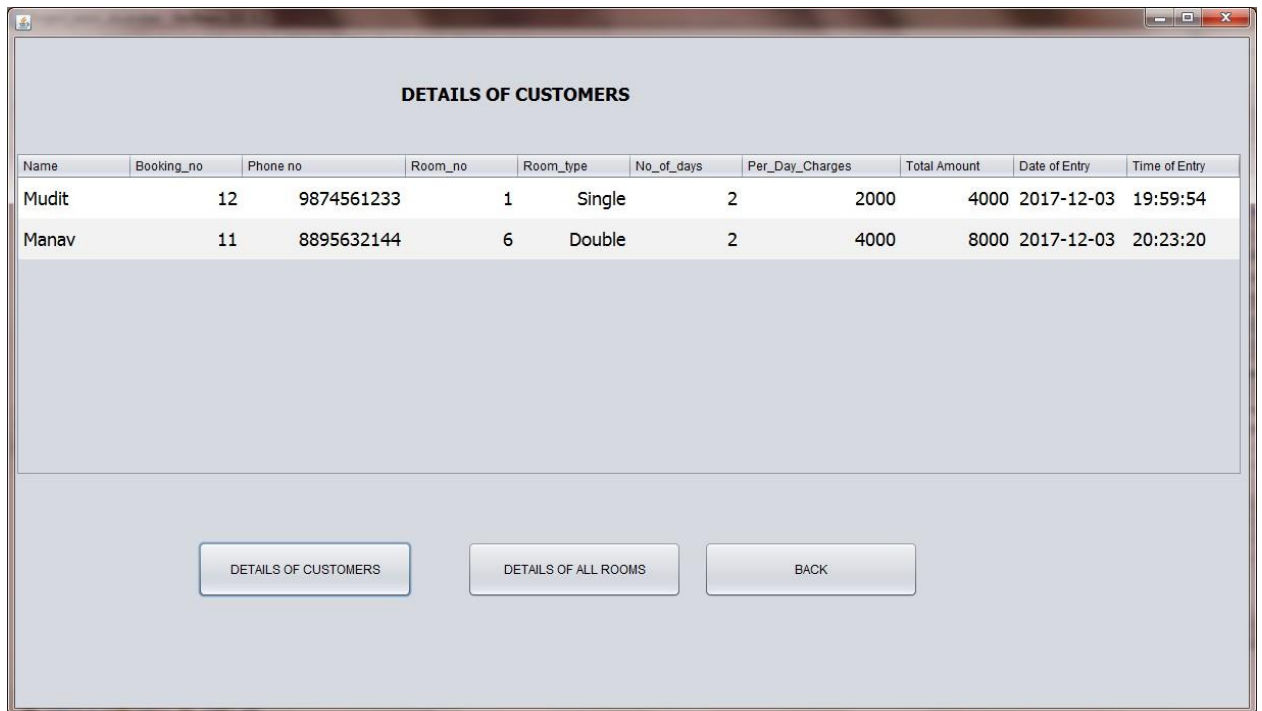
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
//EXIT BUTTON
    System.exit(0);
    // TODO add your handling code here:
}

```

#### 4.4. Details of present Customer

This screen use for searching detail of present customer's staying in hotel.

##### 4.4.1. Screen Shot



Name	Booking_no	Phone no	Room_no	Room_type	No_of_days	Per_Day_Charges	Total Amount	Date of Entry	Time of Entry
Mudit	12	9874561233	1	Single	2	2000	4000	2017-12-03	19:59:54
Manav	11	8895632144	6	Double	2	4000	8000	2017-12-03	20:23:20

DETAILS OF CUSTOMERS      DETAILS OF ALL ROOMS      BACK

##### 4.4.2. Code

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    //DETAILS OF ALL CUSTOMERS BUTTON  
    DefaultTableModel model1=(DefaultTableModel)jTable1.getModel();  
  
    int l=model1.getRowCount();  
  
    for (int i = 0; i < l; i++)  
    {  
        model1.removeRow(0);  
    }  
    try  
    {
```

```
Class.forName("java.sql.Driver");
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");
```

```
Statement stmt = (Statement) con.createStatement();
```

```
String query = "select * from hotel,customer where not hotel.name='<name>'
and booking_no=book_no order by roomno;";
```

```
ResultSet rs =stmt.executeQuery(query);
```

```
while (rs.next()) {
```

```
String name=rs.getString("name");
```

```
int Book = rs.getInt("booking_no");
```

```
String phno = rs.getString("phno");
```

```
int roomno=rs.getInt("roomno");
```

```
String roomtype = rs.getString("roomtype");
```

```
int nod = rs.getInt("NODays");
```

```
int pdc=rs.getInt("PDC");
```

```
int ta = rs.getInt("TA");
```

```
String date = rs.getString("dateofentry");
```

```
String time = rs.getString("time");
```

```
model1.addRow(new Object[]{name, Book, phno, roomno, roomtype, nod,
pdc, ta, date, time});
```

```
}
```

```
}
```

```
catch (Exception e)
```

```
{
```

```
JOptionPane.showMessageDialog(null, "error");
```

```
JOptionPane.showMessageDialog(this, e.getMessage());
```

```
}
```

```
// TODO add your handling code here:
```

```
}
```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
//DETAILS OF ALL ROOMS BUTTON
    DefaultTableModel model1=(DefaultTableModel)jTable1.getModel();
    int l=model1.getRowCount();
    for (int i = 0; i < l; i++)
    {
        model1.removeRow(0);
    }
    jTable1.getModel();

    try {
        Class.forName("java.sql.Driver");
        java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

        Statement stmt = (Statement) con.createStatement();

        String query="select * from hotel order by roomno;";
        ResultSet rs = stmt.executeQuery(query);

        while (rs.next()) {
            String name=rs.getString("name");
            int Book = rs.getInt("booking_no");
            String phno = rs.getString("phno");
            int roomno=rs.getInt("roomno");
            String roomtype = rs.getString("roomtype");
            int nod = rs.getInt("NODays");
            int pdc=rs.getInt("PDC");
            int ta = rs.getInt("TA");
            model1.addRow(new Object[]{name, Book, phno, roomno, roomtype, nod,
pdc, ta});
        }
    }
}

```

```
}
catch (Exception e)
{
    JOptionPane.showMessageDialog(null, "error");
    JOptionPane.showMessageDialog(this, e.getMessage());
}

// TODO add your handling code here:
}
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    //BACK BUTTON
    this.setVisible(false);
    Hotel_Management d = new Hotel_Management();
    d.setVisible(true);
    // TODO add your handling code here:
}
```

## 4.5. Checkout

When customer checkout the hotel , User can Delete the Entry from present customer record.

### 4.5.1. Screen Shot

name	Booking no's
Mudit	12
Manav	11

NAME: Manav

Booking No.: 11

Phone No.: 8895632144

Room No.: 6

Room TYPE: Double

No of Days: 2

Per Day Charges: 4000

Total Amount: 8000

Buttons: BOOKING NO's, SEARCH, CheckOut, BACK, EXIT

### 4.5.2. Code

```
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  
    //BOOKING NO BUTTON  
    DefaultTableModel model=(DefaultTableModel)jTable1.getModel();  
    int l =jTable1.getRowCount();
```

```

        for(int i=0;i<l;i++)
        {
            model.removeRow(0);
        }

        try {
            Class.forName("java.sql.Driver");
            java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

            Statement stmt = (Statement) con.createStatement();

            String query = "select Booking_no,name from hotel where not name='<name>'
order by roomno;";
            ResultSet rs =stmt.executeQuery(query);

            while (rs.next())
            {

                int Book = rs.getInt("booking_no");
                String name=rs.getString("name");
                model.addRow(new Object[]{name, Book});

            }

        } catch (Exception e)
        {
            JOptionPane.showMessageDialog(null, "error");
            JOptionPane.showMessageDialog(this, e.getMessage());
        }

        // TODO add your handling code here:
    }
    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
//SEARCH BUTTON

```



```

try {
    Class.forName("java.sql.Driver");
    java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

    Statement stmt = (Statement) con.createStatement();

    String bkn = jTextField2.getText();
    String query = "select * from hotel where booking_no=" + bkn + ";";
    ResultSet rs = stmt.executeQuery(query);
    int a, d, f, g, h;
    String b, c, e;
    if (rs.next())
    {
        b = rs.getString("name");
        if (b.equals("<name>"))
        {
            JOptionPane.showMessageDialog(null, "No such record found");
        } else
        {
            a = rs.getInt("booking_no");
            b = rs.getString("name");
            c = rs.getString("phno");
            d = rs.getInt("roomno");
            e = rs.getString("roomtype");
            f = rs.getInt("NODays");
            g = rs.getInt("PDC");
            h = rs.getInt("TA");
            jTextField1.setText(b);
            jTextField3.setText("" + c);
            jTextField4.setText("" + d);
            jTextField5.setText("" + e);
            jTextField6.setText("" + f);
            jTextField7.setText("" + g);
            jTextField8.setText("" + h);

```

```

        JOptionPane.showMessageDialog(null, "Searched Successfully");
        jButton3.setEnabled(true);

    }
} else
{
    JOptionPane.showMessageDialog(null, "No such record found");
}

JOptionPane.showMessageDialog(null, query);

stmt.close();
con.close();
} catch (Exception e)
{
    JOptionPane.showMessageDialog(null, "error");
    JOptionPane.showMessageDialog(this, e.getMessage());
}

// TODO add your handling code here:
}
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
//DELETE BUTTON
    try {
        Class.forName("java.sql.Driver");
        java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

        int a = Integer.parseInt(jTextField2.getText());//booking no

        int d = Integer.parseInt(jTextField4.getText());//room no

        String query = "update hotel set booking_no=" + d +
",name='<name>',phno=null,NODays=null,PDC=null,TA=null where booking_no=" + a + "
";

        JOptionPane.showMessageDialog(null, query);

```

```

        Statement stmt = (Statement) con.createStatement();
        stmt.executeUpdate(query);
        JOptionPane.showMessageDialog(null, "Deleted Successfully");
        stmt.close();
        con.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, "error");
        JOptionPane.showMessageDialog(this, e.getMessage());
    }

// TODO add your handling code here:
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
//BACK BUTTON
    this.setVisible(false);
    Hotel_Mannagement d = new Hotel_Mannagement();
    d.setVisible(true);

    // TODO add your handling code here:
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
//EXIT BUTTON
    System.exit(0);
    // TODO add your handling code here:
}

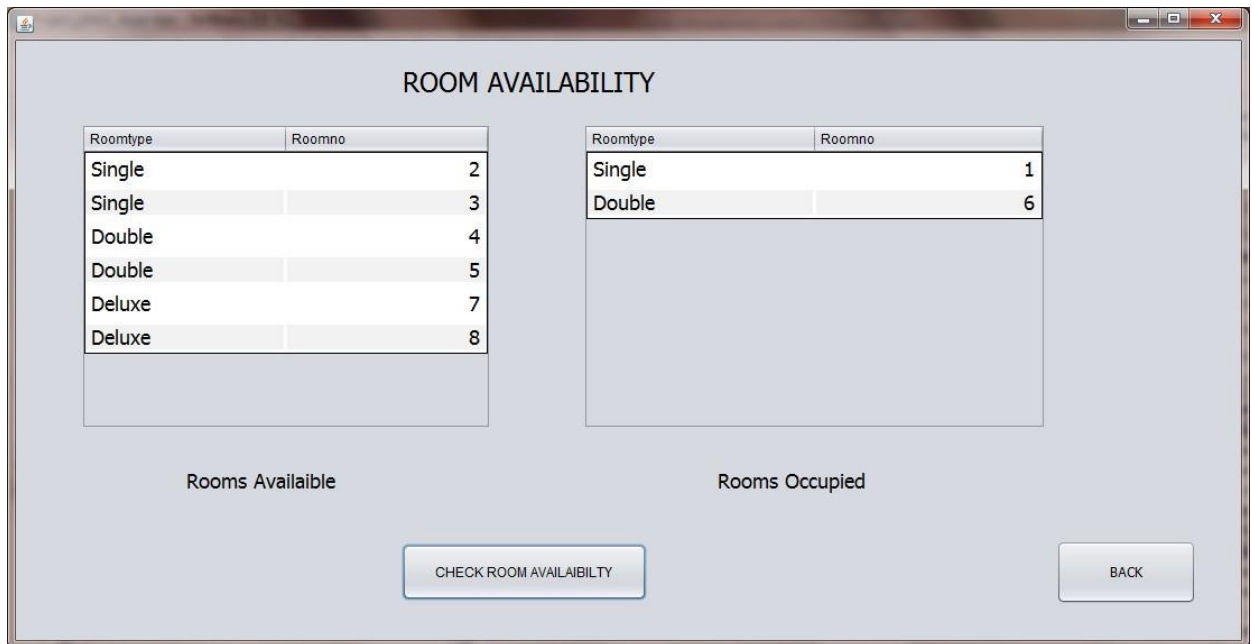
```

## 4.6. Room Availability

This will show the status of all rooms

- ✓ Rooms Available
- ✓ Rooms Occupied

### 4.6.1. Screen Shot



### 4.6.2. Code

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    //ROOM AVAILAIBLE BUTTON  
    DefaultTableModel model=(DefaultTableModel)jTable1.getModel();  
    try {  
        Class.forName("java.sql.Driver");  
        java.sql.Connection con =  
        DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",  
        "root", "mysql password");  
  
        Statement stmt = (Statement) con.createStatement();  
  
        String query = "select roomtype,roomno from hotel where name='<name>' order  
by roomno;";  
        ResultSet rs =stmt.executeQuery(query);
```

```

while (rs.next())
{
    String roomtype = rs.getString("roomtype");
    int roomno = rs.getInt("roomno");

    model.addRow(new Object[]{roomtype, roomno});

}

int a = model.getRowCount();
JOptionPane.showMessageDialog(null, "There are " + a + " rooms available ");

}
catch (Exception e)
{
    JOptionPane.showMessageDialog(null, "error");
    JOptionPane.showMessageDialog(this, e.getMessage());
}
DefaultTableModel model1 = (DefaultTableModel)jTable2.getModel();
try {
    Class.forName("java.sql.Driver");
    java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

    Statement stmt = (Statement) con.createStatement();

    String query = "select roomtype,roomno from hotel where not name='<name>'
order by roomno;";
    ResultSet rs =stmt.executeQuery(query);

    while (rs.next())
    {
        String roomtype = rs.getString("roomtype");
        int roomno = rs.getInt("roomno");

        model1.addRow(new Object[]{roomtype, roomno});
    }
}

```

```

    }

    int a = model1.getRowCount();
    JOptionPane.showMessageDialog(null, "There are " + a + " rooms occupied");

}
catch (Exception e)
{
    JOptionPane.showMessageDialog(null, "error");
    JOptionPane.showMessageDialog(this, e.getMessage());
}

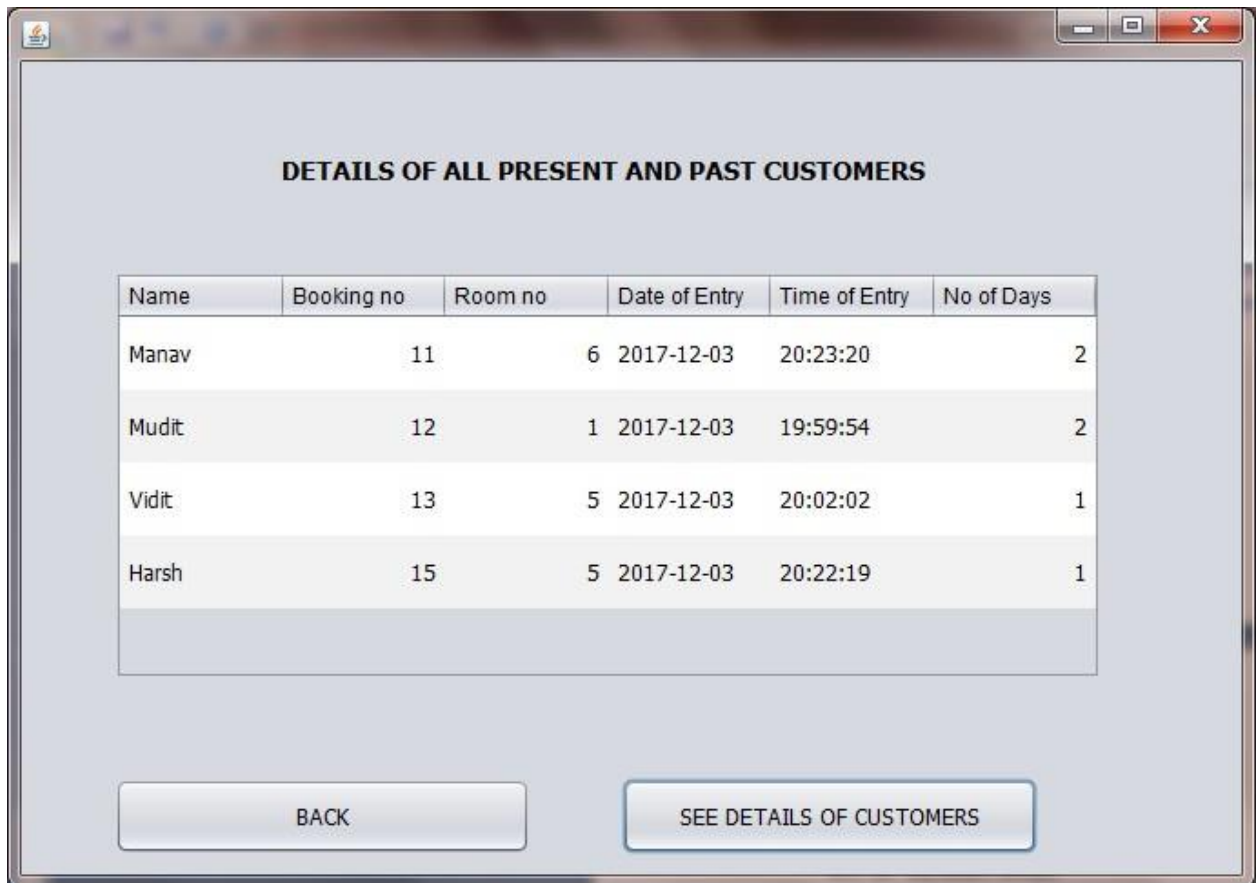
// TODO add your handling code here:
}
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
//BACK BUTTON
    this.setVisible(false);
    Hotel_Mannagement d = new Hotel_Mannagement();
    d.setVisible(true);

// TODO add your handling code here:
}

```

## 4.7. Customer Details

### 4.7.1. Screen Shot



### 4.7.2. Code

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    //DETAILS OF ALL CUSTOMERS BUTTON  
    DefaultTableModel model1=(DefaultTableModel)jTable1.getModel();  
  
    int l=model1.getRowCount();  
  
    for (int i = 0; i < l; i++)  
    {  
        model1.removeRow(0);  
    }  
}
```

```

try {
    Class.forName("java.sql.Driver");
    java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your_database_name",
"root", "mysql password");

    Statement stmt = (Statement) con.createStatement();

    String query = "select * from customer order by dateofentry";
    ResultSet rs = stmt.executeQuery(query);

    while (rs.next())
    {
        String name = rs.getString("name");
        int Book = rs.getInt("book_no");
        int roomno = rs.getInt("room_no");
        String date = rs.getString("dateofentry");
        String time = rs.getString("time");
        int NOD = rs.getInt("NOD");

        model1.addRow(new Object[]{name, Book, roomno, date, time, NOD});

    }

}
catch (Exception e)
{
    JOptionPane.showMessageDialog(null, "error");
    JOptionPane.showMessageDialog(this, e.getMessage());
}

// TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
//BACK BUTTON
    this.setVisible(false);
    Hotel_Mannagement d = new Hotel_Mannagement();

```



```
d.setVisible(true);
```

```
// TODO add your handling code here:
```

```
}
```