



HOTEL ROOM BOOKINGS

for

the group of hotels who own properties and/or have tie up with associated properties.

YEAR 2019 - 2020

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Std. XII D,
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COMPUTER PROJECT REPORT





CERTIFICATE

This is to certify that **JAY MILIND CHAUDHARI** (Roll No. _____) of Class XII D has prepared the report on the project entitled **“HOTEL ROOM BOOKINGS”**.

The project is the result of his efforts and endeavors. The report is found worthy of acceptance as final project report for the subject Computer Science of Class XII for the Year 2019-2020.

Internal Examiner

External Examiner

Principal's Signature

School Stamp



ACKNOWLEDGEMENT

The successful completion of any task would be incomplete without mentioning names of those people who helped to make it possible and successful. I take this opportunity to express my gratitude in few words and respect to all those who helped me in the completion of this project.

It is my humble pleasure to acknowledge my deep senses of gratitude to my Computer teacher **Mrs. Deval Shah**, for her valuable support, constant help and guidance at each and every stage, without which this project would not have come forth.

I also register my sense of gratitude to our principal, **Mrs. Archana Kshirsagar**, for her immense encouragement that has made this project successful.

I would also like to thank my friends and family for encouraging me during the course of this project.

Last, but not the least, I would like to thank CBSE for giving us the opportunity to undertake this project.

Jay Milind Chaudhari

Std. XII D



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1. Application Introduction

BOOK LUXURIOUS, AFFORDABLE & SEAMLESS HOTELS

Treat your family to a splendid weekend, go on fabulous vacations, get trained at elegant fitness centers and celebrate the finest moments of your life with “MARVEL Group of Hotels”

The Application “Hotel Room Booking” allows the customer to book hotels for their holidays online conveniently.

1.1. Implementation Features

The application offers key features such as:

- Database is used to store and retrieve data for user verification and all transactions
- Login and new user sign up
- Update personal details
- View all available hotels and their details before booking
- Option to customers to select hotels based on their selected destination
- Option to customers to select room types based on occupancy
- Option to customers to provide number of rooms and number of adults as well as kids
- Book rooms based on room availability in the selected hotel
- Option to request for extra bed or avail complimentary breakfast
- Capture billing details for booking confirmation
- Print the bill with final confirmation details

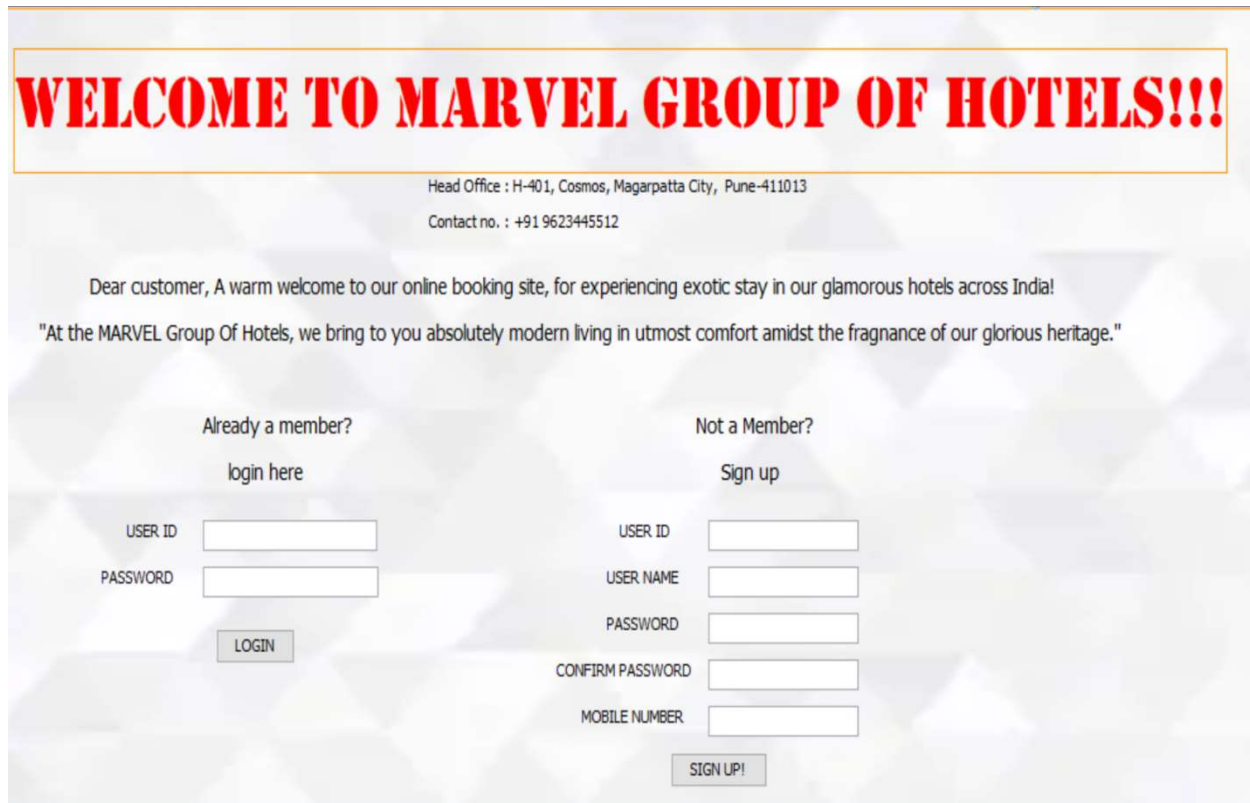


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2. Important java code

Since pasting entire code content is not feasible here, pasting the key logics used in the program.

3.1 Login page



WELCOME TO MARVEL GROUP OF HOTELS!!!

Head Office : H-401, Cosmos, Magarpatta City, Pune-411013
Contact no. : +91 9623445512

Dear customer, A warm welcome to our online booking site, for experiencing exotic stay in our glamorous hotels across India!
"At the MARVEL Group Of Hotels, we bring to you absolutely modern living in utmost comfort amidst the fragrance of our glorious heritage."

Already a member?
login here

Not a Member?
Sign up

USER ID
PASSWORD

USER ID
USER NAME
PASSWORD
CONFIRM PASSWORD
MOBILE NUMBER



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a. Constructor code

```
public class login extends javax.swing.JFrame {

    /** Creates new form login */
    public login() {
        initComponents();
        try {
            int check = 0;
            Class.forName("java.sql.DriverManager");
            Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings", "root", "123");
            Statement stmt = (Statement) con.createStatement();
            String query = "Update M_login set loggedin = 0 Where loggedin=1;";
            stmt.executeUpdate(query);
        } catch (Exception e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
}
```

b. Login button code

```
public class login extends javax.swing.JFrame {

    /** Creates new form login */
    public login() {
        initComponents();
        try {
            int check = 0;
            Class.forName("java.sql.DriverManager");
            Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings", "root", "123");
            Statement stmt = (Statement) con.createStatement();
            String query = "Update M_login set loggedin = 0 Where loggedin=1;";
            stmt.executeUpdate(query);
        } catch (Exception e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
}
```



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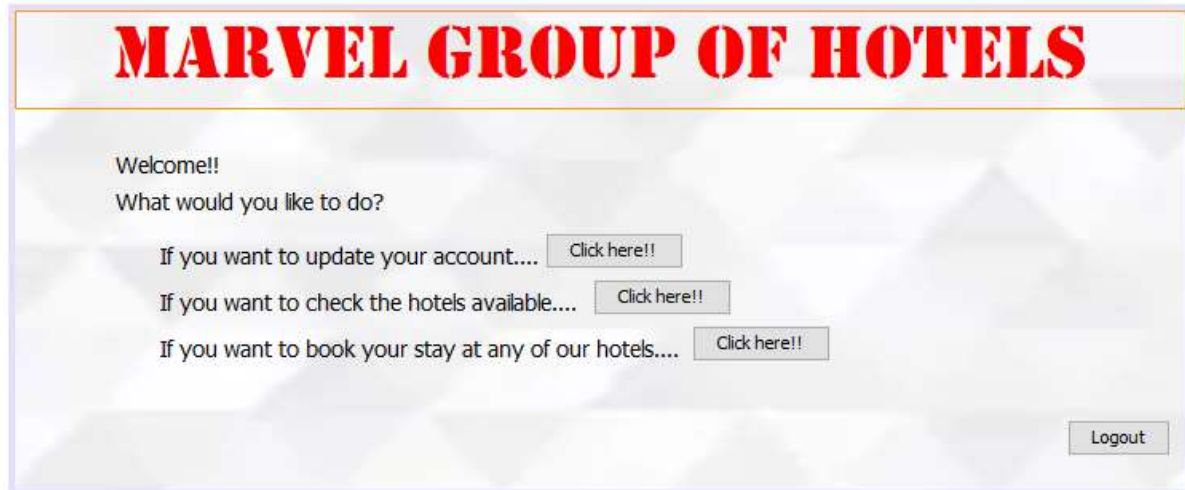
c. Sign up button code

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    String sid2 = id2.getText();  
    String suname2 = Uname.getText();  
    String spwd2 = new String(pwd2.getPassword());  
    String scpwd2 = new String(cpwd2.getPassword());  
    String smn = (mn.getText());  
    if (spwd2.equals(scpwd2)) {  
        try {  
            Class.forName("java.sql.DriverManager");  
            Connection con = (Connection)  
DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings", "root", "123");  
            Statement stmt = (Statement) con.createStatement();  
            String query = "INSERT INTO M_login VALUES ('" + sid2 + "', '" + suname2 + "', '" + scpwd2 + "', '" + smn + "',1)";  
            stmt.executeUpdate(query);  
        } catch (Exception e) {  
            JOptionPane.showMessageDialog(this, e.getMessage());  
        }  
        JOptionPane.showMessageDialog(null, "Login Successful");  
        Director Dob = new Director();  
        Dob.setVisible(true);  
    } else {  
        JOptionPane.showMessageDialog(null, "Login Unsuccessful");  
    }  
}
```



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3.2 Director GUI



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d. Code for all buttons on Director GUI

```
private void hotelBActionPerformed(java.awt.event.ActionEvent evt) {  
    hotel_places hpob = new hotel_places();  
    hpob.setVisible(true);    // TODO add your handling code here:  
}  
  
private void updateBActionPerformed(java.awt.event.ActionEvent evt) {  
Update Uob = new Update();  
    Uob.setVisible(true);    // TODO add your handling code here:  
}  
  
private void bookBActionPerformed(java.awt.event.ActionEvent evt) {  
    Hotel_choose H_cob = new Hotel_choose();  
    H_cob.setVisible(true); // TODO add your handling code here:  
}  
  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
login Lob = new login();  
    Lob.setVisible(true);    // TODO add your handling code here:  
}  
  
/**  
 * @param args the command line arguments  
 */  
public static void main(String args[]) {  
    java.awt.EventQueue.invokeLater(new Runnable() {  
        public void run() {  
            new Director().setVisible(true);  
        }  
    });  
}
```



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3.3 Update Personal Details GUI

MARVEL GROUP OF HOTELS

**** USERNAMES ARE NOT EDITABLE****

Choose what you will like to update :

1. Password

Change

2. Mobile number

Change

Back

Logout



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a. Code called on each button of Update Personal Details GUI

```
/** This method is called from within the constructor to  
 * initialize the form.  
 * WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  
 */  
@SuppressWarnings("unchecked")
```

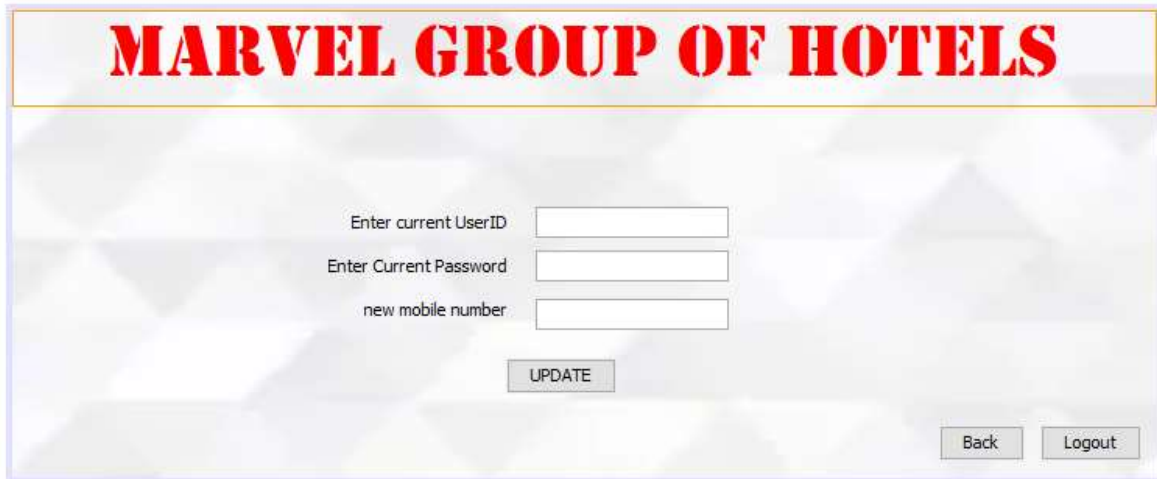
Generated Code

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    Update_password U_pob = new Update_password();  
    U_pob.setVisible(true);    // TODO add your handling code here:  
}  
  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    Update_mob U_mob = new Update_mob();  
    U_mob.setVisible(true);    // TODO add your handling code here:  
}  
  
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {  
    Director Dob = new Director();  
    Dob.setVisible(true);    // TODO add your handling code here:  
}  
  
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    login Lob = new login();  
    Lob.setVisible(true);    // TODO add your handling code here:
```



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3.4 Update Mobile Number GUI



The screenshot displays a web interface for updating a mobile number. At the top, the text "MARVEL GROUP OF HOTELS" is prominently displayed in a large, bold, red serif font, enclosed within a thin yellow border. Below this header, the background features a subtle, light-colored geometric pattern of triangles. The main content area contains three input fields, each preceded by a label: "Enter current UserID", "Enter Current Password", and "new mobile number". Each label is in a small, black, sans-serif font. The input fields are white with thin black borders. Below the input fields, there is a single button labeled "UPDATE" in a small, black, sans-serif font. In the bottom right corner of the form area, there are two more buttons: "Back" and "Logout", both in a small, black, sans-serif font.



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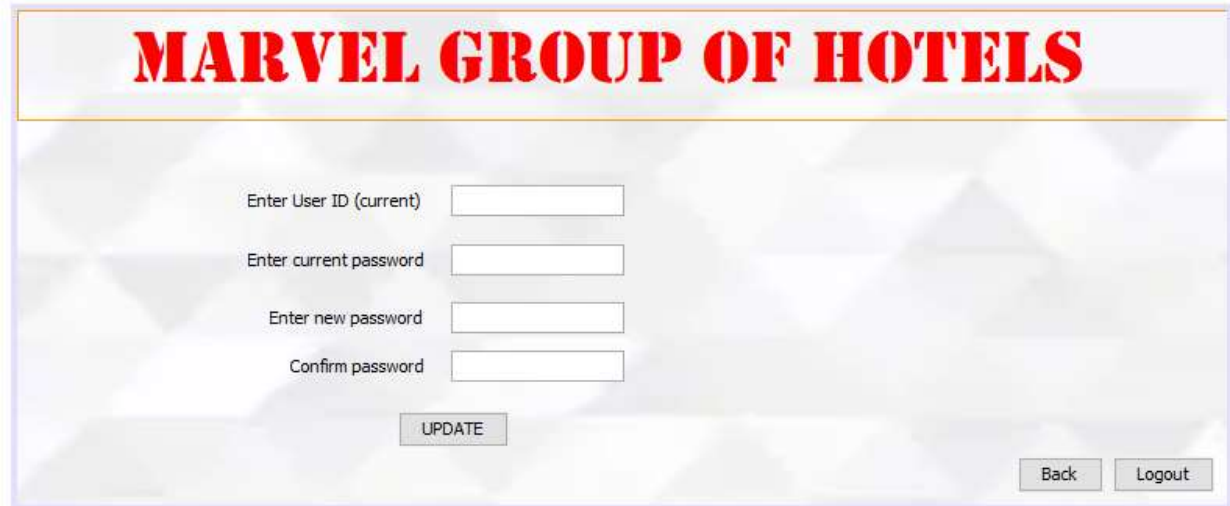
b. Code for update of Mobile Number

```
private void idActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}  
  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    String Id = id.getText();  
    String snmn = nm.getText();  
    String scurpwd = new String(pwd.getPassword());  
    String pass="";  
    try  
    {  
        Class.forName("java.sql.DriverManager");  
        Connection con =  
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");  
        Statement stmt = (Statement)con.createStatement();  
        String query = "SELECT User_pwd FROM M_login Where UserID='"+Id+"'";  
        ResultSet rs = stmt.executeQuery(query);  
        if (rs.next())  
        {  
            pass= rs.getString("User_pwd");  
        }  
        if (pass.equals(scurpwd))  
        {  
            String query1 = "UPDATE M_login SET User_mob = '" + snmn + "'WHERE UserID='"+Id+"'";  
            stmt.executeUpdate(query1);  
            JOptionPane.showMessageDialog(this,"Update Successful");  
        }  
        else  
        {  
            JOptionPane.showMessageDialog(this,"Enter password again");  
        }  
    }  
    catch(Exception e)  
    {  
        JOptionPane.showMessageDialog(this,e.getMessage());  
    }  
}
```



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3.5 Update Password GUI



MARVEL GROUP OF HOTELS

Enter User ID (current)

Enter current password

Enter new password

Confirm password



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c. Code for update of password

```
private void idActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}  
  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
String Id = id.getText();  
String spwd = new String(pwd.getPassword());  
String scpwd = new String(cpwd.getPassword());  
String scurpwd = new String(curpwd.getPassword());  
String pass="";  
try  
{  
    Class.forName("java.sql.DriverManager");  
    Connection con =  
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");  
    Statement stmt = (Statement)con.createStatement();  
    String query = "SELECT User_pwd FROM M_login Where UserID='"+Id+"'";  
    ResultSet rs = stmt.executeQuery(query);  
    if (rs.next())  
    {  
        pass= rs.getString("User_pwd");  
    }  
    if (spwd.equals(scpwd) && pass.equals(scurpwd))  
    {  
        String query1 = "UPDATE M_login SET User_pwd = '" + spwd + "'WHERE UserID='"+Id+"'";  
        stmt.executeUpdate(query1);  
        JOptionPane.showMessageDialog(this,"Update Successful");  
    }  
    else  
    {  
        JOptionPane.showMessageDialog(this,"Enter password again");  
    }  
} catch(Exception e)  
{  
    JOptionPane.showMessageDialog(this,e.getMessage());  
} // TODO add your handling code here:  
}
```



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3.6 Information on Hotel Places & Addresses GUI



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d. Code for displaying information of all hotels

```
public hotel_places()
{
    initComponents();
    info.setEditable(false);
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");
        Statement stmt = (Statement)con.createStatement();
        String query = "SELECT HotelID, Hotel_Name,Hotel_add,Hotel_City,Hotel_Contact FROM M_Hotel_Master;";
        ResultSet rs = stmt.executeQuery(query);
        while(rs.next())
        {
            int hID = rs.getInt("HotelID");
            String city = rs.getString("Hotel_city");
            String name = rs.getString("Hotel_name");
            String add = rs.getString("Hotel_add");
            String contact = rs.getString("Hotel_contact");
            info.append(name+" , "+city+"\n\tAddress: "+add+"\n\tContact no.:"+contact+"\n\t");
            Statement stmt1 = (Statement)con.createStatement();
            String query1 = "SELECT r_type,r_price FROM M_Room_Master WHERE HotelID = "+hID+";";
            ResultSet rs1 = stmt1.executeQuery(query1);
            while(rs1.next())
            {
                String type = rs1.getString("r_type");
                String price = rs1.getString("r_price");
                info.append(type+": Rs. "+price+"\n\t");
            }
            info.append("\n\n");
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}
```



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3.7 Hotel Selection & Booking Details GUI

MARVEL GROUP OF HOTELS

Select Hotel:

Select Room Type

No. of Rooms

Checkin Date (YYYY/MM/DD) Checkout date (YYYY/MM/DD)

No. of Adults: No. of Children:

☐ Complimentary Breakfast ☐ Extra Bed

REQUEST BOOKING

Proceed to bill

Back Logout



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e. Constructor code to fetch and display hotel names, location and years in combo box

```
public Hotel_choose()
{
    initComponents();
    int i=0;
    hotel.setEditable(false);
    room.setEditable(false);
    h_info.setEditable(false);
    cid_y.setEditable(false);
    cid_m.setEditable(false);
    cid_d.setEditable(false);
    cod_y.setEditable(false);
    cod_m.setEditable(false);
    cod_d.setEditable(false);
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
        (Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");
        Statement stmt = (Statement)con.createStatement();
        String query = "SELECT Hotel_Name,Hotel_city FROM M_Hotel_Master;";
        ResultSet rs = stmt.executeQuery(query);
        while(rs.next())
        {
            String name = rs.getString("Hotel_name");
            String city = rs.getString("Hotel_city");
            hotel.insertItemAt(name+" ", "+city,i);
            i++;
        }
        String query1 = "SELECT year(curdate());";
        ResultSet rs1 = stmt.executeQuery(query1);
        int year=0;
        if(rs1.next())
            year = rs1.getInt("year(curdate())");
        for(int j=0 ; j<2 ; j++)
        {
            cid_y.insertItemAt((year+j),j);
            cod_y.insertItemAt((year+j),j);
        }
        String query3 = "SELECT max(BookingID) from T_room_bookings;";
        ResultSet rs3 = stmt.executeQuery(query3);
        while(rs3.next())
            bookingid = rs3.getInt("max(BookingID)") +1;
    }
    catch(Exception e)
    {
        // ...
    }
}
```



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f. Code to display info of selected hotel in combo box

```
private void hotelActionPerformed(java.awt.event.ActionEvent evt) {  
    int i=0;  
    h_info.setText("");  
    room.removeAllItems();  
    try  
    {  
        Class.forName("java.sql.DriverManager");  
        Connection con =  
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");  
        String name="";  
        String sel = (String)hotel.getSelectedItemAt();  
        int l = sel.length();  
        for(int j =0; j<l ; j++)  
        {  
            if(sel.charAt(j) != ',')  
                name += sel.charAt(j);  
            else  
                break;  
        }  
        Statement stmt = (Statement)con.createStatement();  
        String query = "SELECT HotelID, Hotel_city, Hotel_add, Hotel_contact FROM M_Hotel_Master Where Hotel_name =  
        '"+name+"',";  
        ResultSet rs = stmt.executeQuery(query);  
        while(rs.next())  
        {  
            String city = rs.getString("Hotel_city");  
            String add = rs.getString("Hotel_add");  
            String contact = rs.getString("Hotel_contact");  
            int hID = rs.getInt("HotelID");  
            h_info.append(name+" , "+city+"\n\tAddress: "+add+"\n\tContact no.: "+contact+"\n\t");  
            Statement stmt2 = (Statement)con.createStatement();  
            String query2 = "SELECT r_type,r_price FROM M_Room_Master WHERE HotelID = "+hID+";";  
            ResultSet rs2 = stmt2.executeQuery(query2);  
            while(rs2.next())  
            {  
                String type = rs2.getString("r_type");  
                String price = rs2.getString("r_price");  
                h_info.append(type+": Rs."+price+"\n\t");  
                room.insertItemAt(type, i);  
                i++;  
            }  
        }  
    }  
    catch(Exception e)  
    {  
        JOptionPane.showMessageDialog(this,e.getMessage());  
    }  
}
```



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- g. Code to display months in combo box (it is similar for checkin and checkout feature) when year is selected in year combo box

```
private void cod_yActionPerformed(java.awt.event.ActionEvent evt) {
    cod_m.removeAllItems();
    cod_d.removeAllItems();
    try
    {
        int year = (Integer)cod_y.getSelectedItem();
        Class.forName("java.sql.DriverManager");
        Connection con =
        (Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");
        Statement stmt = (Statement)con.createStatement();
        String query = "SELECT month(curdate()),year(curdate());";
        ResultSet rs = stmt.executeQuery(query);
        int cmonth=0, cyear=0;
        while(rs.next())
        {
            cmonth = rs.getInt("month(curdate())");
            cyear = rs.getInt("year(curdate())");
        }
        if(cyear == year)
        {
            for (int j =0 ; j<=(12-cmonth) ; j++)
                cod_m.insertItemAt((cmonth+j), j);
        }

        else
        {
            for (int j =0 ; j<12 ; j++)
                cod_m.insertItemAt((j+1), j);
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
    // TODO add your handling code here:
}
```



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- h. Code to display days in combo box(it is similar for checkin and checkout feature) after selecting a month from its combo box

```
private void cid_mActionPerformed(java.awt.event.ActionEvent evt) {  
    cid_d.removeAllItems();  
    int d=0;  
    try  
    {  
        int year = (Integer)cid_y.getSelectedItem();  
        int month = (Integer)cid_m.getSelectedItem();  
        if(month==1 || month==3 || month==5 || month==7 || month==8 || month==10 || month==12 )  
            d=31;  
        else if( month==4 || month==6 || month==9 || month==11)  
            d=30;  
        else if ( month==2)  
        {  
            if(year%4==0)  
                d=29;  
            else  
                d=28;  
        }  
        Class.forName("java.sql.DriverManager");  
        Connection con =  
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");  
        Statement stmt = (Statement)con.createStatement();  
        String query = "SELECT month(curdate()),dayofmonth(curdate()),year(curdate());";  
        ResultSet rs = stmt.executeQuery(query);  
        int cmonth=0, cday=0,cyear=0;  
        while(rs.next())  
        {  
            cmonth = rs.getInt("month(curdate())");  
            cday = rs.getInt("dayofmonth(curdate())");  
            cyear = rs.getInt("year(curdate())");  
        }  
        if(cmonth == month && cyear==year)  
        {  
            for (int j =0 ; j<=(d-cday) ; j++)  
                cid_d.insertItemAt((cdays+j), j);  
        }  
        else  
        {  
            for (int j =0 ; j<d ; j++)  
                cid_d.insertItemAt((j+1), j);  
        }  
    }  
    catch(Exception e)  
    {  

```



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i. Code to request room booking

```
private void RequestBookingBActionPerformed(java.awt.event.ActionEvent evt) {  
    int cidy = (Integer)cid_y.getSelectedItem();  
    int cidm = (Integer)cid_m.getSelectedItem();  
    int cidd = (Integer)cid_d.getSelectedItem();  
    int cody = (Integer)cod_y.getSelectedItem();  
    int codm = (Integer)cod_m.getSelectedItem();  
    int codd = (Integer)cod_d.getSelectedItem();  
    String scidm = Integer.toString(cidm);  
    String scidd = Integer.toString(cidd);  
    String scodm = Integer.toString(codm);  
    String scodd = Integer.toString(codd);  
    if (cidm < 10)  
        scidm = "0"+ scidm;  
    if (cidd < 10)  
        scidd = "0"+ scidd;  
    if (codm < 10)  
        scodm = "0"+ scodm;  
    if (codd < 10)  
        scodd = "0"+ scodd;  
    String hotelname="",userid="";  
    String sel = (String)hotel.getSelectedItem();  
    int l = sel.length();  
    for(int j =0; j<l ; j++)  
    {  
        if(sel.charAt(j) != ',')  
            hotelname += sel.charAt(j);  
        else  
            break;  
    }  
    String roomtype = (String)room.getSelectedItem();  
    int nrooms = Integer.parseInt(nroomstf.getText());  
    int nadults = Integer.parseInt(nadultstf.getText());  
    int nchildren = Integer.parseInt(nchildtf.getText());  
    boolean cb = cbtf.isSelected();  
    int ncb = (cb == true)?1:0;  
    boolean eb = ebtf.isSelected();  
    int neb = (eb == true)?1:0;  
    int hotelid=0,roomtypeid=0,totrooms=0,norooms=0;  
    double roomprice=0,totprice;  
    try  
    {  
        Class.forName("java.sql.DriverManager");  
        Connection con =  
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");  
        Statement stmt = (Statement)con.createStatement();
```



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```
String query = "SELECT HotelID FROM M_Hotel_Master WHERE Hotel_name = '"+hotelname+"'";
ResultSet rs = stmt.executeQuery(query);
while(rs.next())
    hotelid = rs.getInt("HotelID");
String query1 = "SELECT r_typeID,r_rooms,r_price FROM M_Room_Master WHERE Hotelid = '"+hotelid+"' AND r_type = '"+roomtype+"'";
ResultSet rs1 = stmt.executeQuery(query1);
while(rs1.next())
{
    roomtypeid = rs1.getInt("r_typeID");
    totrooms = rs1.getInt("r_rooms");
    roomprice = rs1.getDouble("r_price");
}
int check=0;
String query2 = "Select BookingID,no_rooms from T_room_bookings Where confirm = 0 And r_typeID = "+roomtypeid+" And (("+cidy+scidm+scidd+" < start_date And "+cody+scodm+scodd+" < start_date) or (("+cidy+scidm+scidd+" > start_date And "+cody+scodm+scodd+" > start_date)))";
ResultSet rs2 = stmt.executeQuery(query2);
while(rs2.next())
{
    check++;
    norooms = rs2.getInt("no_rooms");
}
if(totrooms - (check*norooms) >= nrooms)
{
    String query7 = "SELECT (("+cody+scodm+scodd+")-("+cidy+scidm+scidd+"))";
    ResultSet rs7 = stmt.executeQuery(query7);
    int days=0;
    while(rs7.next())
        days = rs7.getInt("(("+cody+scodm+scodd+")-("+cidy+scidm+scidd+"))");
    totprice = nrooms*roomprice*days;
    String query4 = "SELECT userID from m_login where loggedin=1;";
    ResultSet rs4 = stmt.executeQuery(query4);
    while(rs4.next())
        userid = rs4.getString("UserID");
    while(k<1)
    {
        String query5 = "Insert into T_hotel_bookings values("+bookingid+","+userid+","+hotelid+", curdate(),0);";
        stmt.executeUpdate(query5);
        k++;
    }
    String query6 = "Insert into T_room_bookings values("+bookingid+","+roomtypeid+","+nrooms+","+cidy+scidm+scidd+", "+cody+scodm+scodd+",0,"+nadults+","+nchildren+","+ncb+","+neb+","+totprice+")";
    stmt.executeUpdate(query6);
    JOptionPane.showMessageDialog(null,"Room booked");
}
```



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```
else
{
    JOptionPane.showMessageDialog(null,"Rooms not available");
}

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



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3.8 Customer Bill GUI

MARVEL GROUP OF HOTELS

BILL

Name	:	Jay
Date	:	2019-10-08
Hotel name	:	Thanos
Room Type	:	Deluxe
No. of rooms	:	2
Checkin date	:	2019-12-24
Checkout date	:	2019-12-25
Extra bed	:	yes
Complimentary breakf...	:	yes
Total Cost	:	16000.00

[Confirm bill](#)

[Go back to director](#)



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a. Code to calculate bill amount and display

```
public bill() {
    initComponents();
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
        (Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");
        Statement stmt = (Statement)con.createStatement();
        String query = "SELECT user_name, Booking_date, Hotel_name, r_type,
no_rooms,start_date,end_date,comp_bf,extra_bed,tprice From m_login ml, m_room_master mrm,t_room_bookings trb,
m_hotel_master mhm,t_hotel_bookings thb WHERE thb.userid=ml.userid AND trb.bookingid = thb.bookingid AND
trb.r_typeid=mrm.r_typeid AND mhm.hotelid = thb.hotelid AND loggedin=1";
        ResultSet rs = stmt.executeQuery(query);
        while(rs.next())
        {
            nl.setText(rs.getString("user_name"));
            dl.setText(rs.getString("Booking_date"));
            hnl.setText(rs.getString("Hotel_name"));
            rtl.setText(rs.getString("r_type"));
            norl.setText(rs.getString("no_rooms"));
            cidl.setText(rs.getString("start_date"));
            codl.setText(rs.getString("end_date"));
            int eb = Integer.parseInt(rs.getString("extra_bed"));
            ebl.setText(((eb==1)?"yes":"no"));
            int cb = Integer.parseInt(rs.getString("comp_bf"));
            cbl.setText(((cb==1)?"yes":"no"));
            nl.setText(rs.getString("user_name"));
            tcl.setText(rs.getString("tprice"));
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}
```



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```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
try  
{  
    Class.forName("java.sql.DriverManager");  
    Connection con =  
(Connection)DriverManager.getConnection("jdbc:mysql://localhost:3306/MARVEL_Hotel_bookings","root","123");  
    Statement stmt = (Statement)con.createStatement();  
    String query = "Update t_room_bookings set confirm = 1 Where confirm=0;";  
    stmt.executeUpdate(query);  
    }  
    catch(Exception e)  
{  
    JOptionPane.showMessageDialog(this,e.getMessage());  
}  
JOptionPane.showMessageDialog(null,"Booking successful");// TODO add your handling code here:  
}  
  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
Director Dob = new Director();  
Dob.setVisible(true);    // TODO add your handling code here:  
}
```



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3. SQL tables list

Below are the various functions written in the program and their description is provided.

Sr. No	Table	Description
1.	m_login	It stores all the details of the registered members and current user logged in
2.	m_hotel_master	It stores all the information of the available hotels at Marvel
3.	m_room_master	It stores all the information of the types of room and number of rooms available in each hotel
4.	T_hotel_bookings	It stores all the information of hotel details of the customer's booking
5.	T_room_bookings	It stores all the information of room details along with number of adults and children. Request of complimentary breakfast and need of extra bed. It also stores the charges to customer against his bookings.

Note: two tables T_hotel_bookings and T_room_bookings are created to store Customer booking details only and to reduce redundancy of master information.



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4.1 SQL table descriptions

a. M_login table

```
mysql> Desc m_login;
```

Field	Type	Null	Key	Default	Extra
UserID	varchar(20)	NO	PRI	NULL	
User_Name	varchar(50)	NO		NULL	
User_pwd	varchar(20)	NO		NULL	
User_mob	bigint(10)	NO		NULL	
loggedin	tinyint(1)	NO		NULL	

b. M_hotel_master table

```
mysql> Desc m_hotel_master;
```

Field	Type	Null	Key	Default	Extra
HotelID	int(3)	NO	PRI	NULL	
Hotel_name	varchar(30)	NO		NULL	
Hotel_add	varchar(100)	NO		NULL	
Hotel_city	varchar(20)	NO		NULL	
Hotel_contact	bigint(10)	NO		NULL	

c. M_room_master table

```
mysql> Desc m_room_master;
```

Field	Type	Null	Key	Default	Extra
r_typeID	int(3)	NO	PRI	NULL	
HotelID	int(3)	YES	MUL	NULL	
r_type	varchar(20)	NO		NULL	
r_rooms	int(2)	NO		NULL	
r_price	double(8,2)	NO		NULL	



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d. t_hotel_bookings table

```
mysql> Desc t_hotel_bookings;
```

Field	Type	Null	Key	Default	Extra
BookingID	int(4)	NO	PRI	NULL	
userid	varchar(20)	NO	MUL	NULL	
HotelID	int(3)	YES	MUL	NULL	
Booking_Date	date	NO		NULL	
Confirm	tinyint(1)	NO		NULL	

e. T_room_bookings table

```
mysql> Desc t_room_bookings;
```

Field	Type	Null	Key	Default	Extra
BookingID	int(4)	YES	MUL	NULL	
r_typeID	int(3)	YES	MUL	NULL	
no_rooms	int(2)	NO		NULL	
start_date	date	NO		NULL	
end_date	date	NO		NULL	
Confirm	tinyint(1)	NO		NULL	
no_adults	int(2)	NO		NULL	
no_children	int(2)	NO		NULL	
comp_bf	tinyint(1)	NO		NULL	
extra_bed	tinyint(1)	NO		NULL	
tprice	double(8,2)	NO		NULL	



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4. Bibliography

Informatics practices – text book for Class XII by Sumita Aurora

Special thanks to our Computer teacher – Ms. Deval Shah for her continuous support



Thank
You

Happy Bookings!!

