

HOTEL MANAGMENT

INFORMATIC PRACTICES

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ACKNOWLEDGMENT

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HOTEL CANVA

We would like to express our special thanks of gratitude to our teacher Mrs Pradnya Mulay-Giri as well as our principal who gave us the golden opportunity to do this wonderful project on the topic Hotel Management, which also helped us in doing a lot of Research and we came to know about so many new things we are really thankful to them.

Secondly we would also like to thank our family who helped us a lot in finalizing this project within the limited time frame. This project also helped us bond with our partners for which we are grateful.

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We have designed a program for Hotel Canva that will ease the process of managing multiple records by connecting Java Netbeans with MySQL.

We are proud to present this project to you.
Thank you.

INTRODUCTION

HOTEL CANVA

This is a Project work undertaken in context of partial fulfillment of MCA. I have tried my best to make the complicated process of Online Hotel Management System as simple as possible using Structured & Modular technique & Menu oriented interface. I have tried to design the software in such a way that user may not have any difficulty in using this package & further expansion is possible without much effort. Even though I cannot claim that this work to be entirely exhaustive, the main purpose of my exercise is to perform each Employee's activity in computerized way rather than manually which is time consuming.

The main aim of the entire activity is to automate the process of day to day activities of Hotel like Room activities, Assign a room according to customers demand, checkout of a computer and releasing the room and finally compute the bill, etc.

```
mysql> use hotel_canva
```

```
Database changed
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_hotel_canva |
+-----+
| booking                |
+-----+

1 row in set (0.00 sec)
```

```
mysql> describe booking;
```

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| bookingno  | int(11)       | NO   | PRI | NULL    | auto_increment |
| name       | varchar(25)   | NO   |     | NULL    |                 |
| phono      | int(10)       | NO   |     | NULL    |                 |
| norooms    | int(10)       | NO   |     | NULL    |                 |
| roomtype   | varchar(25)   | NO   |     | NULL    |                 |
| charges    | int(10)       | NO   |     | NULL    |                 |
| total      | int(20)       | NO   |     | NULL    |                 |
| nodays     | int(10)       | YES  |     | NULL    |                 |
+-----+-----+-----+-----+-----+-----+

8 rows in set (0.03 sec)
```

Database Name: Hotel_Canva

Username: Root

Password: Admin

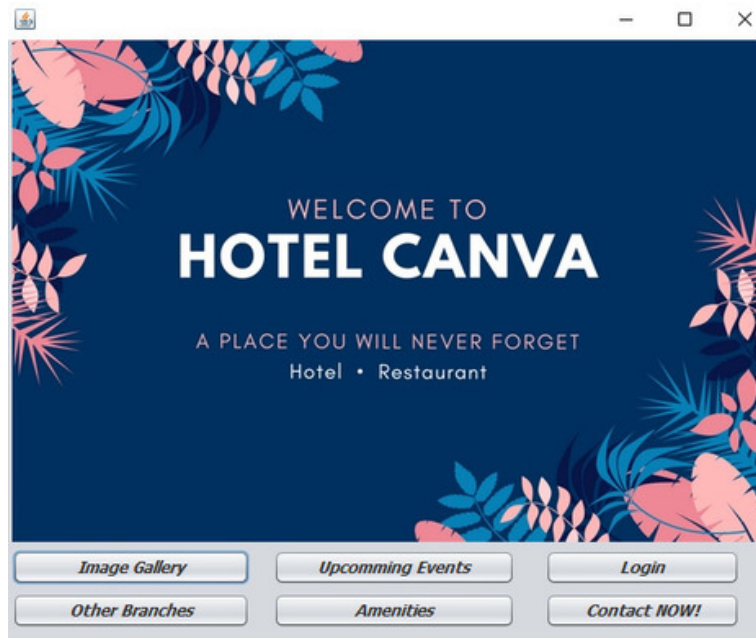
Database URL: jdbc:mysql://localhost:3306/hotel_canva?user="root"&password="admin"

About this Page:

We have created a database
Hotel_Canva to store our
records.

HOMEPAGE

HOTEL CANVA



CODING:

Button Image Gallery:

```
this.setVisible(false);  
Image s = new Image();  
s.setVisible(true);
```

Button Upcoming Events:

```
this.setVisible(false);  
UpcomingEvents s = new UpcomingEvents();  
s.setVisible(true);
```

Button Login:

```
this.setVisible(false);  
Login s = new Login();  
s.setVisible(true);
```

Button Other Branches:

```
this.setVisible(false);  
OtherBranches s = new OtherBranches();  
s.setVisible(true);
```

Button Amenities:

```
this.setVisible(false);  
Amenties s = new Amenties();  
s.setVisible(true);
```

Button Contact Now:

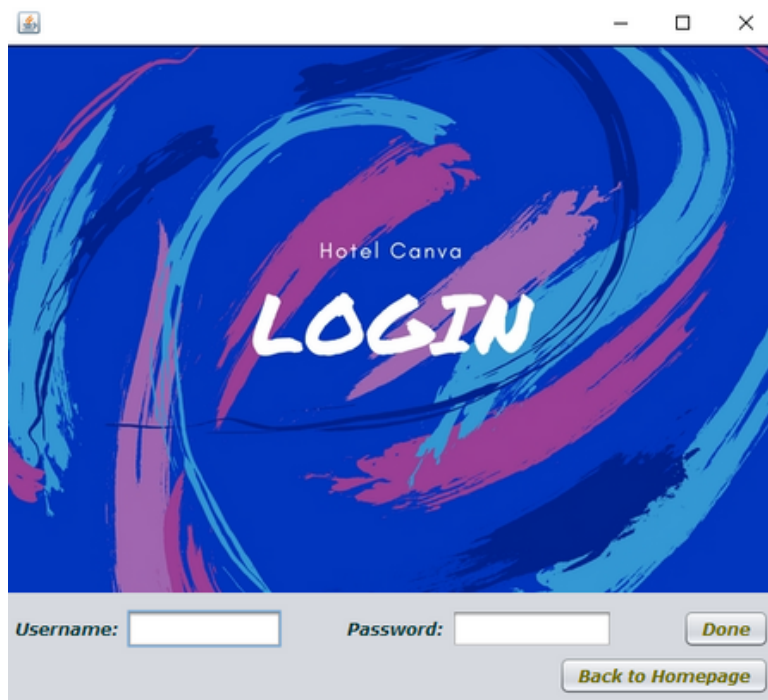
```
this.setVisible(false);  
ContactUs s = new ContactUs ();  
s.setVisible(true);
```

About this Page:

User can navigate to various pages in the website through this page. The admin is supposed to login to make reservations.

LOGIN

HOTEL CANVA



CODING:

DONE Button:

```
String n = new String(t1.getText());  
String p = new String(p1.getPassword());  
if(n.equals("admin")&&p.equals("admin"))  
    new welcome().setVisible(true);  
else  
    JOptionPane.showMessageDialog(null,"Incorrect password");
```

Back to Homepage Button:

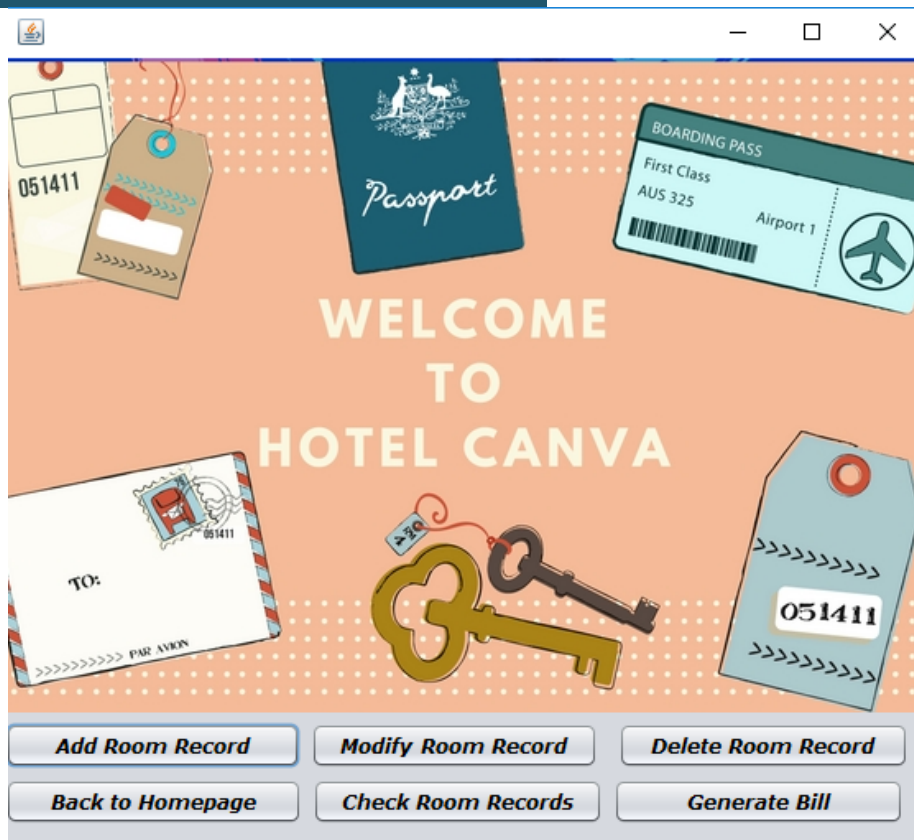
```
this.setVisible(false);  
Homepage s = new Homepage ();  
s.setVisible(true);
```

About this Page:

Username: admin
Password: admin
After login the admin has
access to database.

WELCOME

HOTEL CANVA



CODING:

Add Room Record Button:

```
this.setVisible(false);  
addr s = new addr();  
s.setVisible(true);
```

Modify Room Record Button:

```
this.setVisible (false);  
modr s = new modr ();  
s.setVisible(true);
```

Check Room Record Button:

```
this.setVisible (false);  
seermc s = new seermc ();  
s.setVisible(true);
```

Delete Room Record Button:

```
this.setVisible (false);  
delr s = new delr ();  
s.setVisible(true);
```

Generate Bill Button:

```
this.setVisible (false);  
genb s = new genb ();  
s.setVisible(true);
```

Back to Homepage Button:

```
this.setVisible(false);  
Homepage s = new Homepage ();  
s.setVisible(true);
```

About this Page:

The admin is given various buttons or functions with which he can manipulate the database.

BOOK A ROOM

HOTEL CANVA



CODING:

Calculate Button:

```
if(r1.isSelected()== true)
{
    charges=2000;
    roomtype = "Single Room";
    t5.setText(""+charges);
}
else if(r2.isSelected()== true)
{
    charges=2500;
    roomtype = "Double Room";
    t5.setText(""+charges);
}
else if(r3.isSelected()== true)
{
    charges=4000;
    roomtype = "Delux Room";
    t5.setText(""+charges);
}
```

```
else if(r4.isSelected()== true)
{
    charges=10000;
    roomtype = "Presidential Club Suit";
    t5.setText(""+charges);
}
```

Total Amount Button:

```
nodays = Integer.parseInt (t4.getText());
norooms = Integer.parseInt (t3.getText());
total = nodays * charges * norooms;
t6.setText(""+total);
```

About this Page:

This page allows the admin to make an entry in the database according to the customer's requirement.

BOOK A ROOM

HOTEL CANVA

CODING:

Save Button:

```
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel_canva?
zeroDateTimeBehavior=convertToNull","root","admin");
    String name = t1.getText();
    int phoneno = Integer.parseInt (t2.getText());
    String query= "insert into
booking(name,phoneno,norooms,roomtype,charges,total,nodays)values('"+name+"','"+phoneno+
','"+norooms+"','"+roomtype+"','"+charges+"','"+total+"','"+nodays+"');";
    Statement stmt = conn.createStatement();
    stmt.executeUpdate (query);
    JOptionPane.showMessageDialog(null,"Room has now been booked. Check Booking No in Room
Status.");
    stmt.close();
    conn.close();
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(null,"Error");
}
```

**Continued from
previous page.**

BOOK A ROOM

HOTEL CANVA

CODING:

New Button:

```
t1.setText("");  
t2.setText("");  
t3.setText("");  
t4.setText("");  
t5.setText("");  
t6.setText("");  
r1.setSelected(false);  
r2.setSelected(false);  
r3.setSelected(false);  
r4.setSelected(false);
```

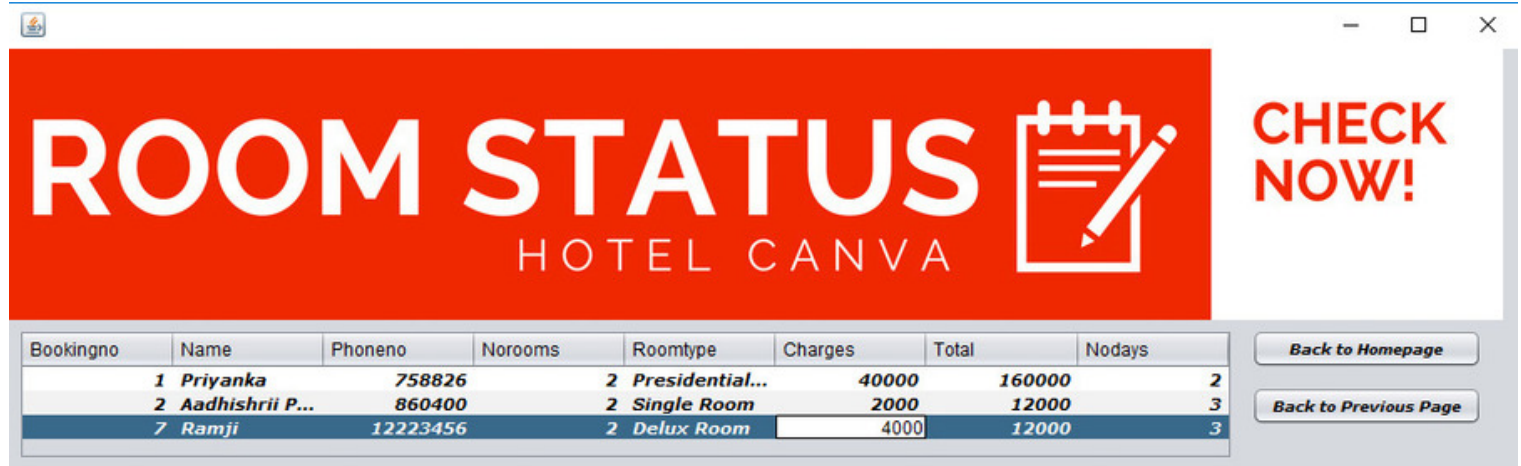
Back to Homepage Button:

```
this.setVisible(false);  
Homepage s = new Homepage();  
s.setVisible(true);
```

**Continued from
previous page.**

ROOM STATUS

HOTEL CANVA



Bookingno	Name	Phoneno	Norooms	Roomtype	Charges	Total	Nodays
1	Priyanka	758826	2	Presidential...	40000	160000	2
2	Aadhishrii P...	860400	2	Single Room	2000	12000	3
7	Ramji	12223456	2	Delux Room	4000	12000	3

CODING:

Back to previous page Button:

```
this.setVisible (false);  
welcome s = new welcome ();  
s.setVisible(true);
```

Back to Homepage Button:

```
this.setVisible(false);  
Homepage s = new Homepage ();  
s.setVisible(true);
```

About this Page:

This page allows the user to check his record and note down his booking number.

GENERATE BILL

HOTEL CANVA



CODING:

Back to previous page Button:

```
this.setVisible (false);  
welcome s = new welcome ();  
s.setVisible(true);
```

Back to Homepage Button:

```
this.setVisible(false);  
Homepage s = new Homepage ();  
s.setVisible(true);
```

About this Page:

This page generates the bill of the customer after his stay is complete.

MODIFY RECORD

HOTEL CANVA

Booking No:

Name:

Phone No:

No Of Rooms:

No Of Days:

Select Room Type:

☐ Single Room

☐ Double Room

☐ Delux Room

☐ Presidential Club Suit

Calculate Charges:

Total Amount Charges:

Back to Homepage **Modify**

Back to Previous Page **New**

CODING:

Back to previous page Button:

```
this.setVisible (false);  
welcome s = new welcome ();  
s.setVisible(true);
```

Back to Homepage Button:

```
this.setVisible(false);  
Homepage s = new Homepage ();  
s.setVisible(true);
```

Globally Declared Variables:

```
int charges;  
int norooms;  
int total;  
int nodays;  
int bookingno;  
String roomtype;
```

About this Page:

This page helps the user to modify or change his previous record.

MODIFY RECORD

HOTEL CANVA

CODING:

Modify Button:

```
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel_canva?
zeroDateTimeBehavior=convertToNull","root","admin");
    String name = t1.getText();
    int phoneno = Integer.parseInt(t2.getText());
    bookingno=Integer.parseInt(t.getText());
    String query = "DELETE FROM booking WHERE bookingno = "+bookingno+ ";";
    Statement stmt =conn.createStatement();
    stmt.executeUpdate(query);
    String query1= "insert into
booking(name,phoneno,norooms,roomtype,charges,total,nodays)values('"+name+"','"+phoneno+"','"+norooms+"','"+roomtype+"','"+charges+"','"+total+"','"+nodays+"');";
    Statement stmt1 = conn.createStatement();
    stmt1.executeUpdate (query1);
    JOptionPane.showMessageDialog(null,"Your record is now modified. Check New Booking No");
    stmt.close();
    stmt1.close();
    conn.close();
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(null,"Error");
}
```

**Continued from
previous page.**

MODIFY RECORD

HOTEL CANVA


CODING:

Calculate Button:

```
if(r1.isSelected()== true)
{
charges=2000;
roomtype = "Single Room";
t5.setText(""+charges);
}
else if(r2.isSelected()== true)
{
charges=2500;
roomtype = "Double Room";
t5.setText(""+charges);
}
else if(r3.isSelected()== true)
{
charges=4000;
roomtype = "Delux Room";
t5.setText(""+charges);
}
else if(r4.isSelected()== true)
{
charges=10000;
roomtype = "Presidential Club Suit";
t5.setText(""+charges);
}
```

Total Amount Button:

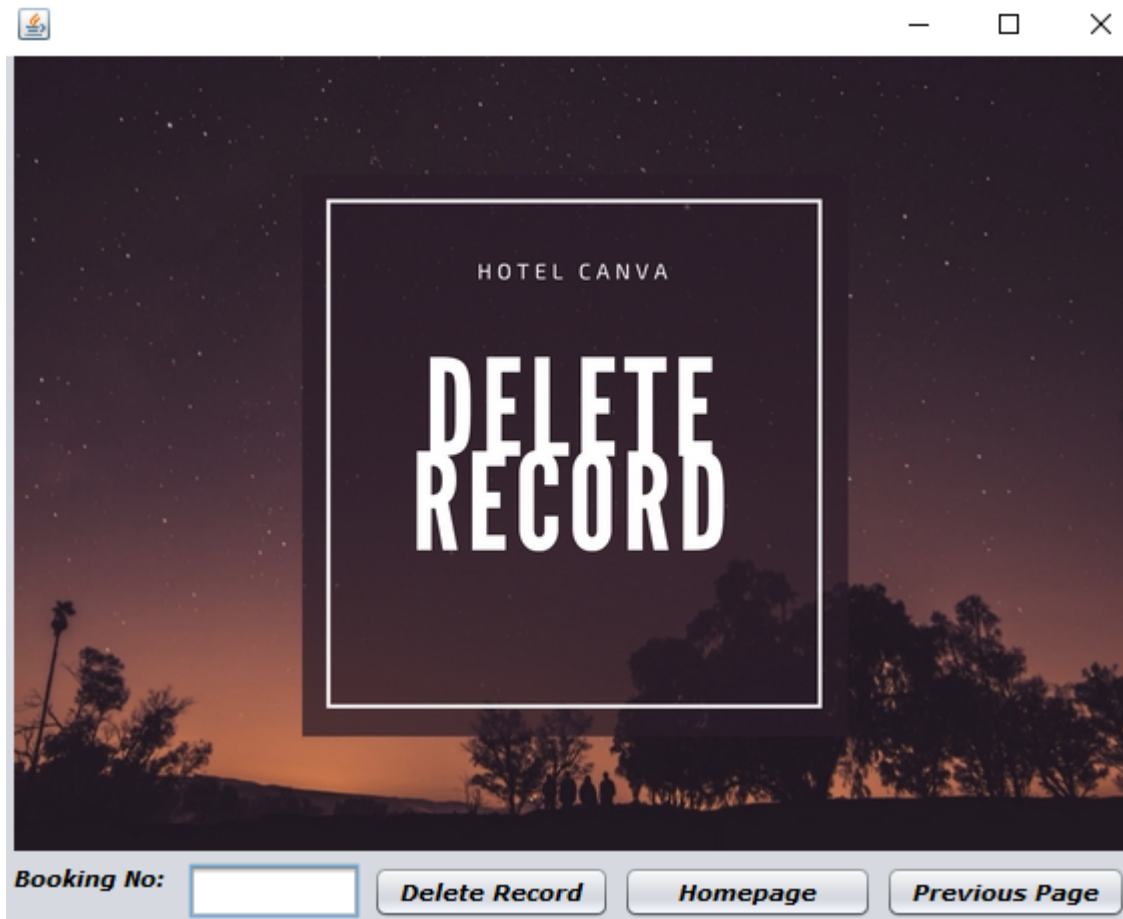
```
nodays = Integer.parseInt (t4.getText());
norooms = Integer.parseInt (t3.getText());
total = nodays * charges * norooms;
t6.setText(""+total);
```



Continued from
previous page.

DELETE RECORD

HOTEL CANVA



CODING:

Back to previous page Button:

```
this.setVisible (false);  
welcome s = new welcome ();  
s.setVisible(true);
```

Back to Homepage Button:

```
this.setVisible(false);  
Homepage s = new Homepage ();  
s.setVisible(true);
```

About this Page:

This page allows
the user to delete
his previous
record.


DELETE RECORD

HOTEL CANVA

CODING:

Button Delete:

```
try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel_canva?
zeroDateTimeBehavior=convertToNull","root","admin");
    bookingno=Integer.parseInt(t1.getText());
    String query = "DELETE FROM booking WHERE bookingno = "+bookingno+ ";";
    Statement stmt =con.createStatement();
    stmt.executeUpdate(query);
    JOptionPane.showMessageDialog(null, "Record successfully deleted");
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(null,"Error");
}
```



Continued from
previous page.

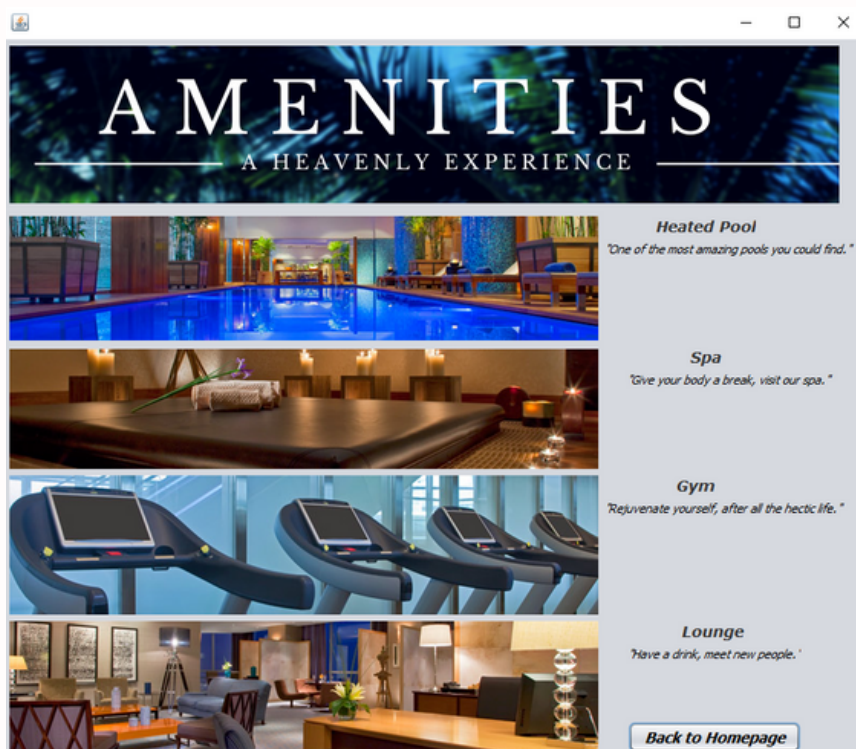
Other Pages

Hotel Canva

Thank You Page:



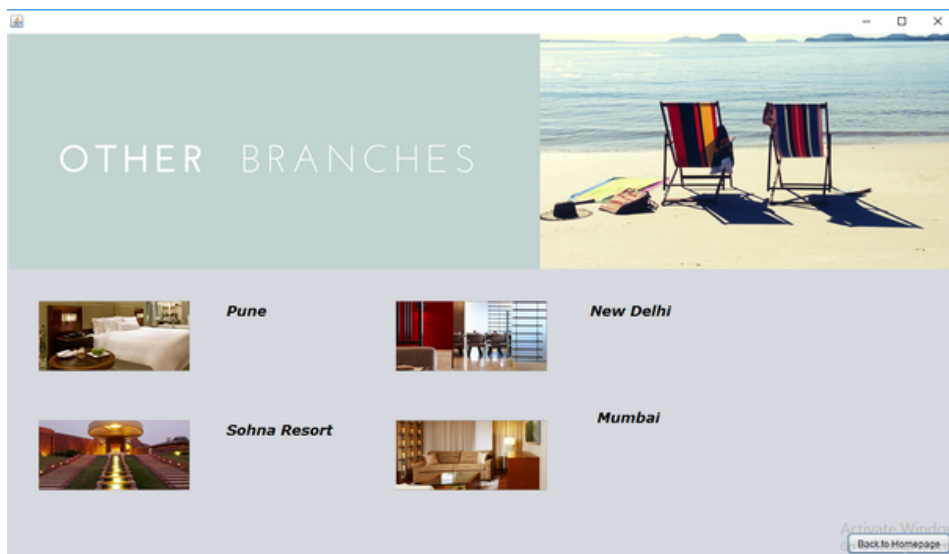
Amenties Page:



Other Pages

Hotel Canva

Other Branches Page:



CONCLUSION

HOTEL CANVA

This project is designed to meet the requirements of Online Hotel Management. It has been developed in JSP, Servlets keeping in mind the specifications of the system. For designing the system we have used simple data flow diagrams.

Overall the project teaches us the essential skills like:

- Using system analysis and design techniques like data flow diagram in designing the system.
- Understanding the database handling and query processing.

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HOTEL CANVA

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