
Emirates Hotel



BOOKING SYSTEM AND
MANAGEMENT SOLUTIONS

MADE BY: VENKAT KARANAM AND SAOOD FAYYAZ

CONTENTS

METHODOLOGY / WHAT OUR
PRODUCT IS

DATABASE OF THE PRODUCT

HOW OUR PRODUCT OPERATES

What our Product is

It is a bookings and suite management system with a full fledge database in the backend and functional interface that can be used to book rooms , check for dates availability and how many rooms are available at any particular date and time. We also have a report generation of the status of the hotel with regards to room availability , bookings and cancellation as such.



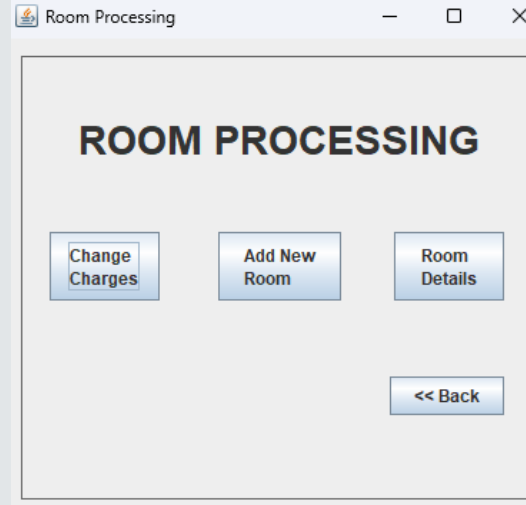
A screenshot of a login window titled 'Emirates Hotel'. It features a dark header bar with a logo and window controls. The main area is light blue and contains two input fields: 'Username' and 'Password'. Below these fields is a 'Login' button.



A screenshot of the main menu window titled 'Emirates Hotel Dubai'. It features a light blue header bar with a logo and window controls. The main area is white and contains the text 'MAIN MENU' in bold. Below this text are four buttons: 'Room Management', 'Booking/ Cancellation', 'Reports', and 'Exit'.

Room management

- The room processing menu there's three options
- We can change charges of rooms based on their code sequence
- Enter certain details about a particular room, Eg. Ocean view , pool view etc.
- we can enter additional rooms and what category that room belongs to.

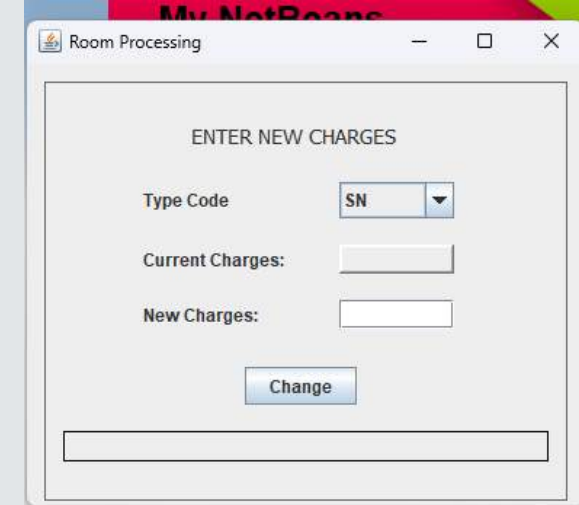


Room Processing

ROOM PROCESSING

Change Charges Add New Room Room Details

<< Back



Room Processing

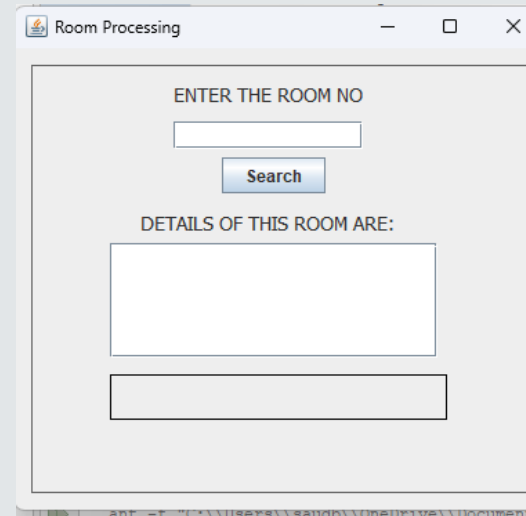
ENTER NEW CHARGES

Type Code: SN

Current Charges:

New Charges:

Change

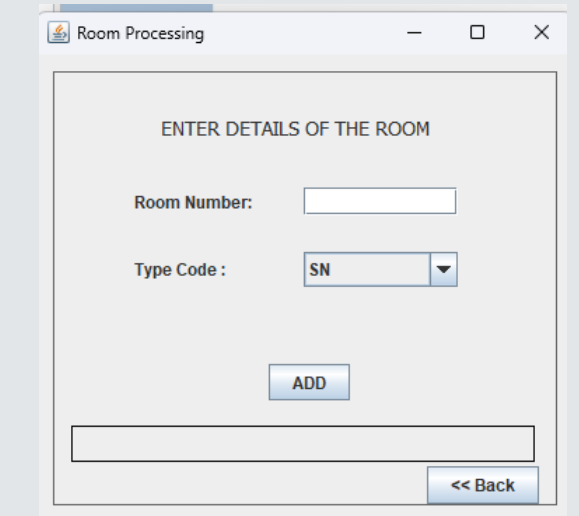


Room Processing

ENTER THE ROOM NO

Search

DETAILS OF THIS ROOM ARE:



Room Processing

ENTER DETAILS OF THE ROOM

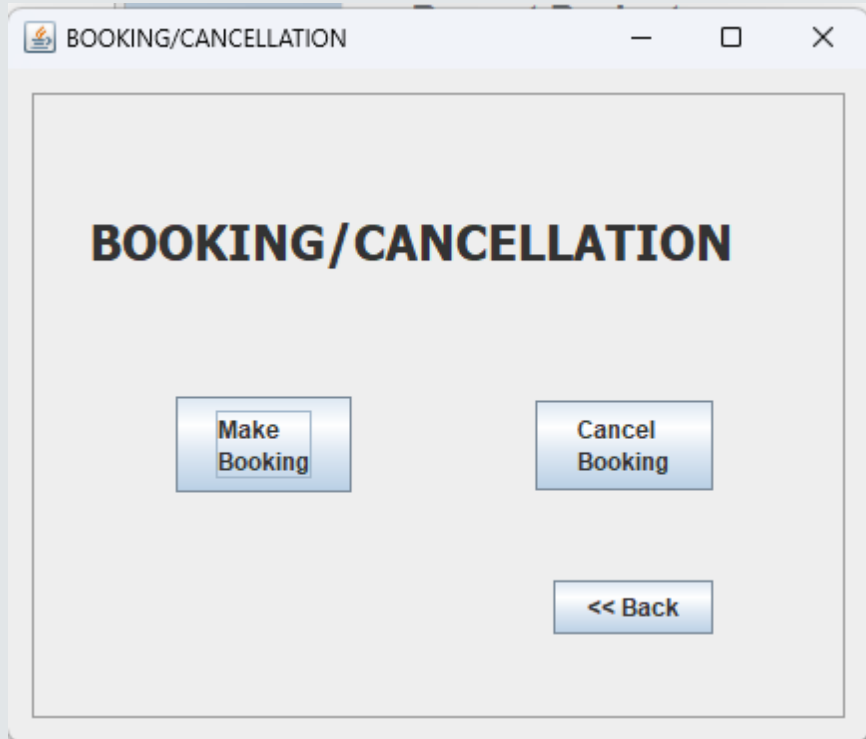
Room Number:

Type Code : SN

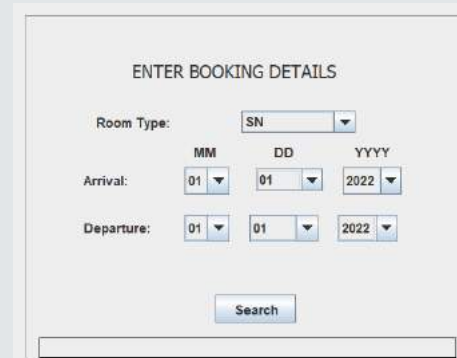
ADD

<< Back

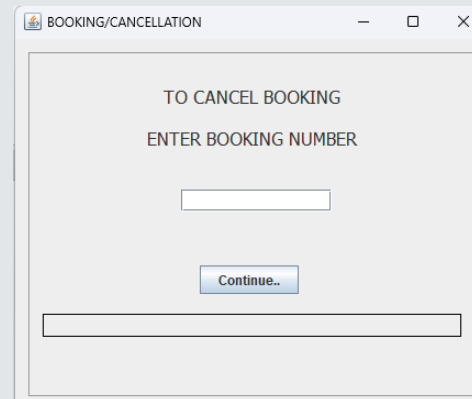
Bookings/cancellations Tab



A screenshot of a web application window titled "BOOKING/CANCELLATION". The window has a light gray background and a white border. In the center, the text "BOOKING/CANCELLATION" is displayed in a large, bold, black font. Below this text, there are three buttons: "Make Booking" on the left, "Cancel Booking" on the right, and "<< Back" centered below the other two. All buttons are blue with white text and a slight 3D effect.



A screenshot of a form titled "ENTER BOOKING DETAILS". The form has a white background and a gray border. It contains the following fields: "Room Type:" with a dropdown menu showing "SN"; "Arrival:" with three dropdown menus for "MM" (01), "DD" (01), and "YYYY" (2022); and "Departure:" with three dropdown menus for "MM" (01), "DD" (01), and "YYYY" (2022). Below these fields is a blue "Search" button. At the bottom of the form is a long, empty white input field.

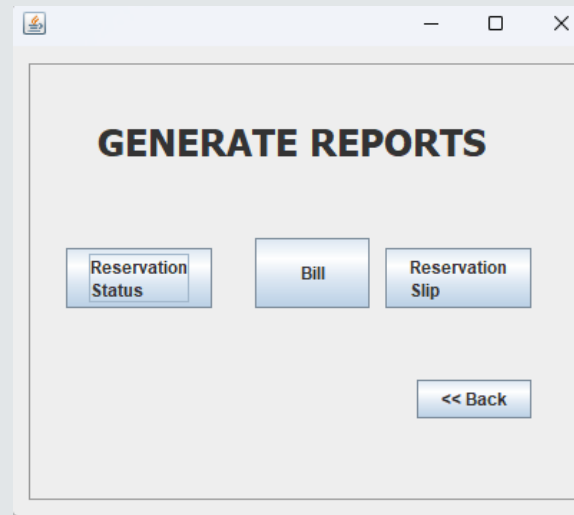


A screenshot of a form titled "TO CANCEL BOOKING". The form has a white background and a gray border. It contains the text "ENTER BOOKING NUMBER" above a single-line white input field. Below the input field is a blue "Continue.." button. At the bottom of the form is a long, empty white input field.

- In this tab, we can make bookings based on customer requirements. We can choose category of room and their booking dates. The system searches for vacant rooms based on our criteria we input and then make a booking
- We can also cancel bookings based on the booking number generated from the bookings tab

Report generation

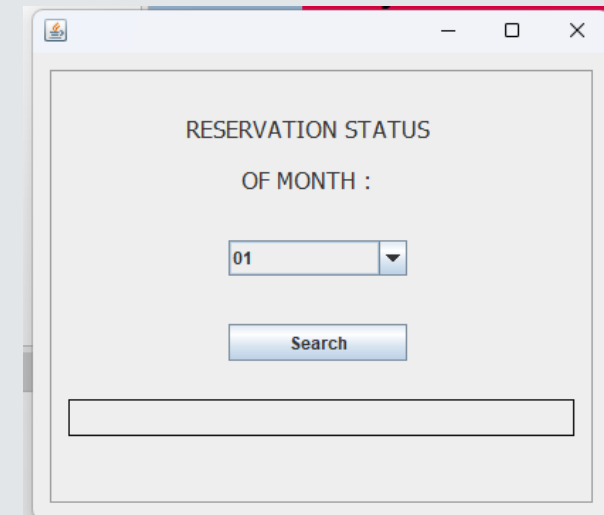
- In this option, we have the ability to check the reservation status based on the month the reservation is due
- Additionally there is a bill generation tab based on the booking number generated
- And finally a slip generator based on room reservation allocated



GENERATE REPORTS

Reservation Status Bill Reservation Slip

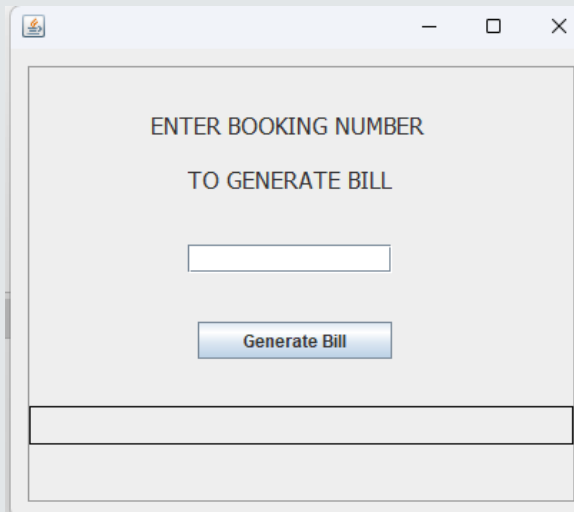
<< Back



RESERVATION STATUS
OF MONTH :

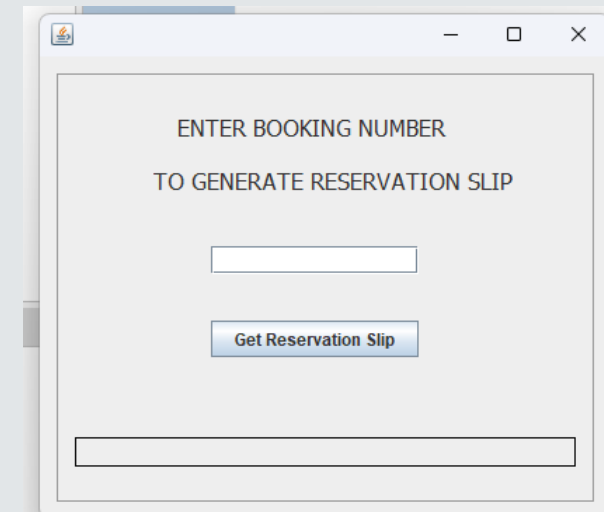
01

Search



ENTER BOOKING NUMBER
TO GENERATE BILL

Generate Bill



ENTER BOOKING NUMBER
TO GENERATE RESERVATION SLIP

Get Reservation Slip

Database of the hotel management system

```
mysql> use hotel
Database changed
mysql> show tables;
+-----+
| Tables_in_hotel |
+-----+
| booking          |
| room             |
| status1          |
| status10         |
| status11         |
| status12         |
| status2          |
| status3          |
| status4          |
| status5          |
| status6          |
| status7          |
| status8          |
| status9          |
| type             |
+-----+
15 rows in set (0.41 sec)
```

Table Structure: Room

```
mysql> describe room;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| RoomNo     | int(11)       | NO   | PRI | NULL    |       |
| TypeCode   | varchar(2)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Table Structure: Type

```
mysql> describe type;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| TypeCode       | char(2)       | NO   | PRI | NULL    |       |
| Description    | varchar(20)   | YES  |     | NULL    |       |
| charges        | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```


Table Structure: Booking

```
mysql> describe booking;
```

Field	Type	Null	Key	Default	Extra
BookingNo	int(11)	NO	PRI	NULL	
CustName	varchar(20)	YES		NULL	
address	varchar(30)	YES		NULL	
sex	varchar(1)	YES		NULL	
age	int(11)	YES		NULL	
RoomNo	int(11)	YES		NULL	
FromD	date	YES		NULL	
ToD	date	YES		NULL	
Advance	int(11)	YES		NULL	
Total	int(11)	YES		NULL	

```
10 rows in set (0.00 sec)
```

```
mysql> describe status1;
```

Field	Type	Null	Key	Default	Extra
RoomNo	int(11)	NO	PRI	NULL	
TypeCode	char(20)	YES		NULL	
d1	char(1)	YES		NULL	
d2	char(1)	YES		NULL	
d3	char(1)	YES		NULL	
d4	char(1)	YES		NULL	
d5	char(1)	YES		NULL	
d6	char(1)	YES		NULL	
d7	char(1)	YES		NULL	
d8	char(1)	YES		NULL	
d9	char(1)	YES		NULL	
d10	char(1)	YES		NULL	
d11	char(1)	YES		NULL	
d12	char(1)	YES		NULL	
d13	char(1)	YES		NULL	
d14	char(1)	YES		NULL	
d15	char(1)	YES		NULL	
d16	char(1)	YES		NULL	
d17	char(1)	YES		NULL	
d18	char(1)	YES		NULL	
d19	char(1)	YES		NULL	
d20	char(1)	YES		NULL	
d21	char(1)	YES		NULL	
d22	char(1)	YES		NULL	
d23	char(1)	YES		NULL	
d24	char(1)	YES		NULL	
d25	char(1)	YES		NULL	
d26	char(1)	YES		NULL	
d27	char(1)	YES		NULL	
d28	char(1)	YES		NULL	
d29	char(1)	YES		NULL	
d30	char(1)	YES		NULL	
d31	char(1)	YES		f	

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

Databases

- Emirates-Hotel
- Source Packages
 - <default package>
 - Bill.java
 - BookCancel.java
 - CancellationSlip.java
 - Login.java
 - MainMenu.java
 - RPMMenu.java
 - Report.java
 - ReservaTionSlip.java
 - Status.java
 - Test Packages
 - Libraries
 - Test Libraries
 - Lab1

```
4  /** Creates new form MainMenu */
5  public MainMenu() {
6      initComponents();
7  }
8
9  @SuppressWarnings("unchecked")
10 // <editor-fold defaultstate="collapsed" desc="Generated Code">
11 private void initComponents() {
12
13     AboutMe = new javax.swing.JDialog();
14     jButton6 = new javax.swing.JButton();
15     jLabel14 = new javax.swing.JLabel();
16     jLabel15 = new javax.swing.JLabel();
17     jLabel16 = new javax.swing.JLabel();
18     jLabel17 = new javax.swing.JLabel();
19     jLabel18 = new javax.swing.JLabel();
20     jLabel19 = new javax.swing.JLabel();
21     jLabel110 = new javax.swing.JLabel();
22     jLabel111 = new javax.swing.JLabel();
23     jLabel112 = new javax.swing.JLabel();
24     jLabel113 = new javax.swing.JLabel();
25     jLabel114 = new javax.swing.JLabel();
26     jLabel11 = new javax.swing.JLabel();
27     jLabel12 = new javax.swing.JLabel();
28     jLabel13 = new javax.swing.JLabel();
29     jButton2 = new javax.swing.JButton();
30     jButton3 = new javax.swing.JButton();
31     jButton4 = new javax.swing.JButton();
32     jButton5 = new javax.swing.JButton();
33
34     AboutMe.setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
35     AboutMe.setMinimumSize(new Dimension(400, 200));
```

**THANK
YOU**

The text 'THANK YOU' is rendered in a bold, white, sans-serif font with a 3D effect. It is centered against a black background. The letters have a rainbow-colored chromatic aberration or 'halo' effect around them. Numerous thin, multi-colored lines (red, green, blue, yellow) radiate outwards from behind the text, creating a starburst or explosion-like visual effect.