

A MINI PROJECT REPORT  
ON  
AIRLINE RESERVATION  
FOR  
AISSCE 2018 EXAMINATION  
As a part of the Informatics Practices Course (065)

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Under the guidance of



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**CERTIFICATE**

This is to certify that the Project / Dissertation entitled **AIRLINE RESERVATION** is abonafide work done by **Mr. / Ms. ....**of class**XII**in partial fulfilment of CBSE's AISSCE Examination 2017-18 and has been carried out under my direct supervision and guidance. This report or asimilar report on the topic has not been submitted for any other examination and does notform a part of any other course undergone by the candidate.

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Signature of Principal

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Place: JP NAGAR

## **ACKNOWLEDGEMENT**

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## **ABSTRACT**

This is a project on the topic “Airline Reservation”. In this project we have tried to create user interface for planning of booking a ticket.

The first page is the **START\_UP** page where the admin can log in to the application and the user can go to the **INFO** page which is followed by **CONDITION** page.

Then the user can select to book, cancel or view the ticket. If the user chooses to book ticket, **BOOKING** frame appears in which the user can enrol his details.

After booking the ticket successfully he can view his details by choosing the view option in the **NEED** frame by typing the mobile number.

In case, the user wishes to cancel his ticket he can select the cancel option in the need frame. For cancelling the ticket the booking id must be entered and the delete button must be clicked.

The user can also update his name in the **VIEW** frame by typing the new name.

## **SYSTEM REQUIREMENTS**

### **Hardware Components**

- 1.VGA Monitor
- 2.Qwerty keyboard
- 3.512 Mb Ram
- 4.2.6 GHz Processor
5. Graphics card

### **Software Components**

1. Windows 7
2. NetBeans IDE 7.3.1
3. MySQL Command Client

**'FLIGHT' TABLE**

flno	Source	Destination	Cost
1	Chennai	Mumbai	1500.00
2	Chennai	Hyderabad	1000.00
3	Kolkata	Mumbai	2000.00
4	Kolkata	Hyderabad	1700.00
5	Delhi	Hyderabad	2000.00
6	Delhi	Mumbai	1750.00
7	Mumbai	Chennai	1500.00
8	Mumbai	Delhi	1750.00
9	Bengaluru	Mumbai	1100.00
10	Bengaluru	Hyderabad	900.00
11	Bengaluru	Chennai	1200.00
12	Bengaluru	Delhi	1600.00
13	Delhi	Bengaluru	1600.00
14	Delhi	Chennai	1800.00
15	Delhi	Kolkata	1950.00
16	Chennai	Kolkata	2250.00
17	Chennai	Bengaluru	1200.00
18	Chennai	Delhi	1800.00
19	Bengaluru	Kolkata	2150.00
20	Mumbai	Kolkata	2350.00
21	Mumbai	Hyderabad	1350.00
22	Mumbai	Bengaluru	1100.00
23	Kolkata	Chennai	2250.00
24	Kolkata	Bengaluru	2050.00
25	Kolkata	Delhi	3050.00

**//CODE FOR CREATING TABLE 'FLIGHT'**

```
create table flight(flnointprimarykey,sourcevarchar(15), destination  
varchar(15), cost decimal(6,2));
```

```
insert into flight values(1,chennai,mumbai,1500);
```

```
insert into flight values(2,chennai,hyderabad,1000);
```

```
insert into flight values(3,kolkata,mumbai,2000);
```

```
insert into flight values(4,kolkata,hyderabad,1700);
```

```
insert into flight values(5,delhi,hyderabad,2000);
```

```
insert into flight values(6,delhi,mumbai,1750);
```

```
insert into flight values(7,mumbai,chennai,1500);
```

```
insert into flight values(8,mumbai,delhi,1750);
```

```
insert into flight values(9,bengaluru,mumbai,1100);
```

```
insert into flight values(10,bengaluru,hyderabad,900);
```

```
insert into flight values(11,bengaluru,chennai,1200);
```

```
insert into flight values(12,bengaluru,delhi,1600);
```

```
insert into flight values(13,delhi,Bengaluru,1600);
```

```
insert into flight values(14,delhi,chennai,1800);
```

```
insert into flight values(15,delhi,kolkata,1950);
```

```
insert into flight values(16,chennai,kolkata,2250);
```

```
insert into flight values(17,chennai,bengaluru,1200);
```

```
insert into flight values(18,Chennai,delhi,1800);
```



```
insert into flight values(19,bengaluru,kolkata,2150);  
insert into flight values(20,mumbai,kolkata,2350);  
insert into flight values(21,mumbai,hyderabad,1350);  
insert into flight values(22,mumbai,bengaluru,1100);  
insert into flight values(23,kolkata,chennai,2250);  
insert into flight values(24,kolkata,bengaluru,2050);  
insert into flight values(25,kolkata,delhi,3050);
```

### **//CODE FOR CREATING TABLE 'PASSENGERS'**

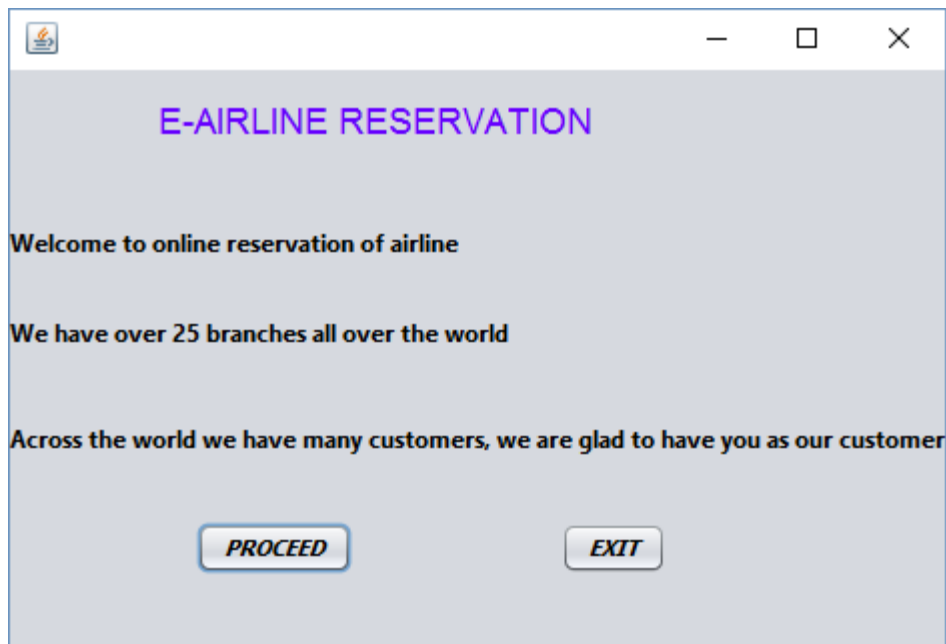
```
Create table passengers(name varchar(10),mobile_no varchar(10)  
primarykey, e-mail varchar(20), gender varchar(10));
```

### **CODE FOR CREATING TABLE 'BOOKING'**

Create table

```
booking(booking_id varchar(10) primarykey autoincrement, mobile_no  
varchar(10) multiplekey, fno varchar(10) multiplekey, no of tickets  
int(11), total cost decimal(6,2), data date);
```

## **CODE FOR UP PAGE START**



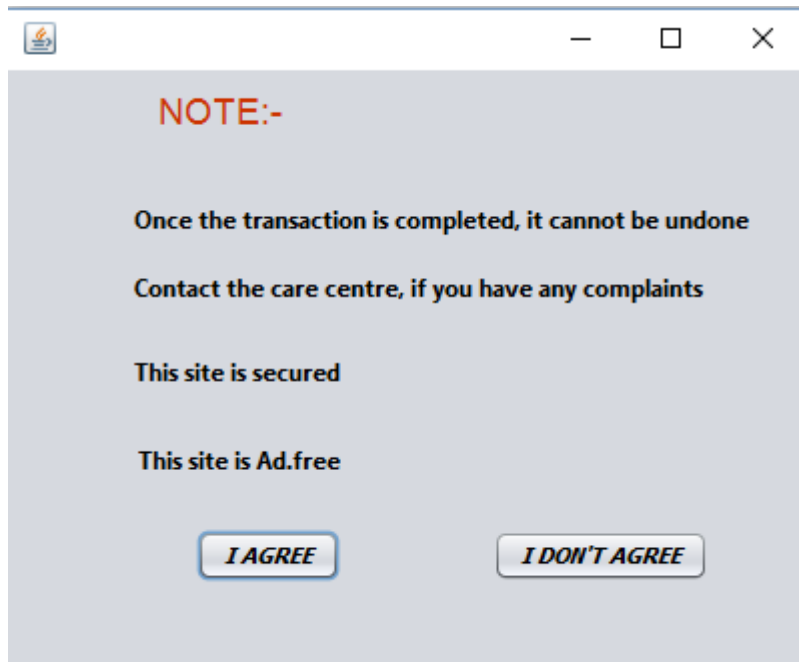
## **//CODE FOR PROCEED BUTTON**

```
this.setVisible(false);  
  
new TAB().setVisible(true);
```

## **//CODE FOR EXIT BUTTON**

```
System.exit(0);
```

## **CODE FOR INFO PAGE**



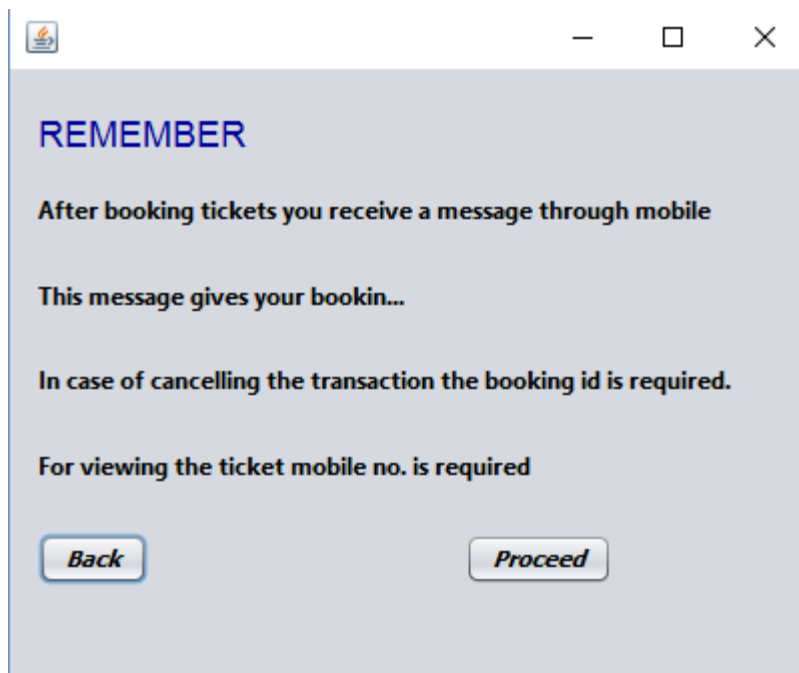
## **//CODE FOR 'I AGREE' BUTTON**

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

## **//CODE FOR 'I DON'T AGREE' BUTTON**

```
this.setVisible(false);  
  
new home().setVisible(true);
```

## **CODE FOR CONDITIONS FRAME**



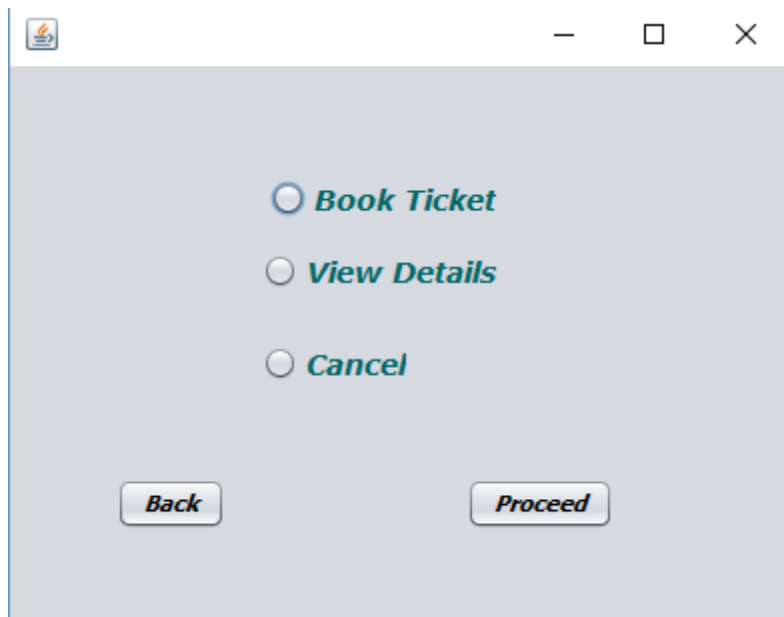
## **//CODE FOR 'PROCEED' BUTTON**

```
this.setVisible(false);  
  
new need().setVisible(true);
```

## **//CODE FOR 'BACK' BUTTON**

```
this.setVisible(false);  
  
new TAB().setVisible(true);
```

## **CODE FOR NEED FRAME**



## **//CODE FOR 'PROCEED' BUTTON**

```
this.setVisible(false);  
  
if (jRadioButton1.isSelected())  
    new Book().setVisible(true);  
  
else if (jRadioButton2.isSelected())  
    new res().setVisible(true);  
  
else if (jRadioButton3.isSelected())  
    new view().setVisible(true);
```

**//CODE FOR 'BACK' BUTTON**

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

```
newcond().setVisible(true);
```

**//CODE FOR BOOK FRAME**

**BOOKING**

Source

Destination

Date

Cost

No. Tickets

Name

Mobile no.

Email ID

Gender ☐ Male ☐ Female

**//CODE FOR 'SHOW COST' BUTTON**

```
String Source, Destination;
```

```
Source=jComboBox1.getSelectedItem().toString();
```

```
Destination=jComboBox2.getSelectedItem().toString();
```

```
double cost;
```

```
cost=0.00;
```

```
try
```

```
{
```

```
Class.forName("java.sql.DriverManager");
```

```
Connection
```

```
c=(Connection)DriverManager.getConnection("jdbc:mysql://localhost  
/raman","root","1q2w3e4r");
```

```
Statement s=(Statement)c.createStatement();
```

```
ResultSets=s.executeQuery("select cost from flight where
```

```
Source='"+Source+"'and Destination='"+Destination+"'");
```

```
if(rs.next())
```

```
{
```

```
cost=rs.getDouble(1);
```

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

```
}else
```

```
{
```

```
JOptionPane.showMessageDialog(this,"no records match");  
  
    }  
  
    } catch(Exception e)  
  
    {  
  
JOptionPane.showMessageDialog(this,e.getMessage());  
  
    }
```

### **//CODE FOR ‘NEXT’ BUTTON**

```
String Source, Destination, date, name, m, i, gender;  
  
double total_cost=0.0;  
  
int flno=0;  
  
Source=jComboBox1.getSelectedItem().toString();  
  
Destination=jComboBox2.getSelectedItem().toString();  
  
Inta=Integer.parseInt(jComboBox3.getSelectedItem().toString());  
  
date=jTextField2.getText();  
  
name=jTextField5.getText();  
  
m=jTextField4.getText();  
  
i=jTextField3.getText();  
  
gender="";
```



```
if(jRadioButton1.isSelected())

gender="male";

if(jRadioButton2.isSelected())

gender="female";

try

{

Class.forName("java.sql.DriverManager");

Connection

c=(Connection)DriverManager.getConnection("jdbc:mysql://localhost

/raman","root","1q2w3e4r");

Statement s=(Statement)c.createStatement(); s.executeUpdate("insert

into passengers values('"+name+"','"+m+"','"+i+"','"+gender+"')");

ResultSets=s.executeQuery("select cost from flight where

Source='"+Source+"'and Destination='"+Destination+"'");

if(rs.next())

{

double cost=rs.getDouble(1);

jTextField1.setText(cost+"");

total_cost= a * cost;

}
```

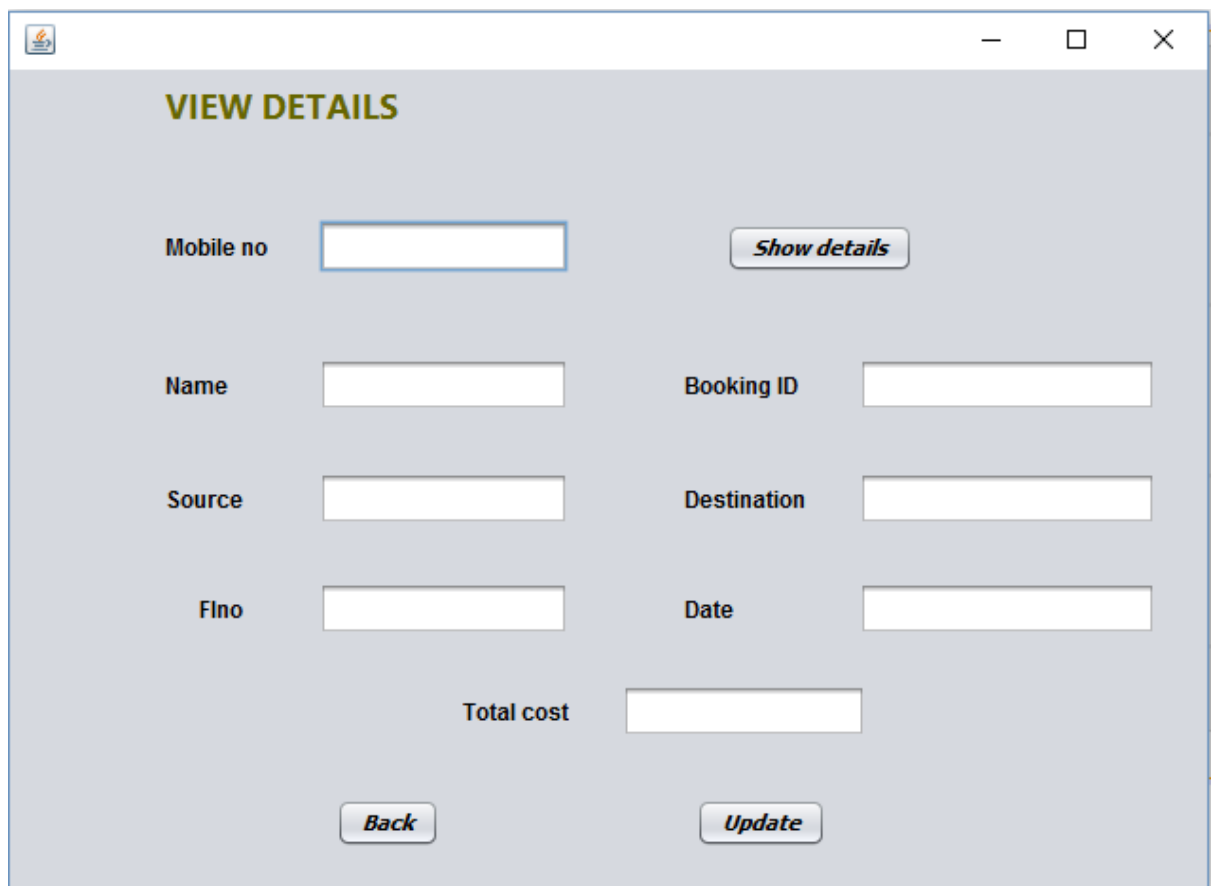
```
ResultSetabc=s.executeQuery("select flno from flight where  
Source='"+Source+"'and Destination='"+Destination+"'");  
  
if(abc.next())  
  
    {  
  
    flno=abc.getInt(1);  
  
    }  
  
s.executeUpdate("insert into  
booking(mobile_no,flno,No_tickets,Total_cost,date)  
values('"+m+"','"+flno+"','"+a+"','"+total_cost+"','"+date+"')");  
  
}  
  
catch(Exception e)  
  
    {  
  
    JOptionPane.showMessageDialog(this,e.getMessage());  
  
    }  
  
this.setVisible(false);  
  
newe_pay(name).setVisible(true);
```

## //CODE FOR 'BACK' BUTTON

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

```
new need().setVisible(true);
```

## CODE FOR VIEW FRAME



**VIEW DETAILS**

Mobile no

Name  Booking ID

Source  Destination

Fno  Date

Total cost

**//CODE FOR 'SHOW DETAILS' BUTTON**

```
String Source, Destination, mob, date, name;

int bid, flno;

mob = jTextField1.getText();

bid = 0;

flno = 0;

double cost;

try
{
    Class.forName("java.sql.DriverManager");

    Connection
    c = (Connection) DriverManager.getConnection("jdbc:mysql://localhost
    /raman", "root", "1q2w3e4r");

    Statement s = (Statement) c.createStatement();

    ResultSet abc = s.executeQuery("select name from passengers where
    mobile_no = '" + mob + "'");

    if (abc.next())
    {
        name = abc.getString(1);

        jTextField2.setText(name);
    }
}
```

```
ResultSetrs=s.executeQuery("select flno,Booking_ID,Total_cost,date
from booking where mobile_no='"+mob+"'");

if (rs.next())

{ flno=rs.getInt(1);

jTextField4.setText(""+flno);

bid=rs.getInt(2);

jTextField5.setText(""+bid);

tcost=rs.getDouble(3);

jTextField8.setText(""+tcost);

date=rs.getString(4);

jTextField7.setText(date);

    }

ResultSetpqr=s.executeQuery("select Source,Destination from flight
where flno='"+flno+"'");

if(pqr.next())

{ Source=pqr.getString(1);

jTextField3.setText(Source);

    Destination=pqr.getString(2);

jTextField6.setText(Destination);

    } else

{ JOptionPane.showMessageDialog(this,"no records match");
```

```
        } catch(Exception e)

{

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

}
```

### **//CODE FOR 'UPDATE' BUTTON**

```
String m,bid;

        m=jTextField2.getText();

bid=jTextField1.getText();

try

{

Class.forName("java.sql.DriverManager");

Connectionc=(Connection)DriverManager.getConnection("jdbc:mysql

://localhost/raman","root","1q2w3e4r");

Statement s=(Statement)c.createStatement();

s.executeUpdate ("update passengers set name='"+m+"' where

mobile_no='"+bid+"'");

} catch(Exception e)

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

}
```

```
this.setVisible(false);  
  
new need().setVisible(true);
```

### //CODE FOR 'BACK' BUTTON

```
this.setVisible(false);  
  
new need().setVisible(true);
```

### CANCEL FRAME

**CANCEL TICKET**

Booking ID

*Proceed*

Name  Mobile no

Source  Destination

Flno  Date

Total cost

*Back* *Delete*

**//CODE FOR 'PROCEED' BUTTON**

```
String Source, Destination, mob, date, name;

int bid, flno;

bid=0;

flno=0;

mob="";

double cost;

try
{
    Class.forName("java.sql.DriverManager");

    Connection c=(Connection) DriverManager.getConnection("jdbc:mysql:
    ://localhost/raman","root","1q2w3e4r");

    Statement s=(Statement)c.createStatement();

    bid=Integer.parseInt(jTextField1.getText());

    ResultSets=s.executeQuery("select flno,mobile_no,Total_cost,date
    from booking where Booking_ID='"+bid+"'");

    if (rs.next())
    {

        flno=rs.getInt(1);

        jTextField4.setText(""+flno);

        mob=rs.getString(2);
```



```
jTextField5.setText(""+mob);

tcost=rs.getDouble(3);

jTextField8.setText(""+tcost);

date=rs.getString(4);

jTextField7.setText(date);

    }

ResultSetpqr=s.executeQuery("select Source, Destination from flight
where flno='"+flno+"'");

if(pqr.next())

    {

        Source=pqr.getString(1);

jTextField3.setText(Source);

        Destination=pqr.getString(2);

jTextField6.setText(Destination);

    }

ResultSet abc=s.executeQuery("select name from passengers where
mobile_no='"+mob+"'");

if(abc.next())

    {

name=abc.getString(1);

jTextField2.setText(name);
```

```
        }

else

    {

JOptionPane.showMessageDialog(this,"no records match");

    }

    } catch(Exception e)

    {

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

    }

if(!jTextField5.getText().equals(""))

jButton3.setEnabled(true);
```

### **//CODE FOR 'DELETE' BUTTON**

```
int bid=0;

bid=Integer.parseInt(jTextField1.getText());

String name;

name=jTextField2.getText();
```

```
try
{
Class.forName("java.sql.DriverManager");

Connectionc=(Connection)DriverManager.getConnection("jdbc:mysql
://localhost/raman","root","1q2w3e4r");

Statement s=(Statement)c.createStatement();

s.executeUpdate("delete from booking where
Booking_ID='"+bid+"'");

s.executeUpdate("delete from passengers where name='"+name+"'");
}

catch(Exception e)

{

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

}

JOptionPane.showMessageDialog(rootPane, "Deleted Successfully");

jTextField1.setText("");

jTextField2.setText("");

jTextField3.setText("");

jTextField4.setText("");

jTextField5.setText("");

jTextField6.setText("");
```

```
jTextField7.setText("");
```

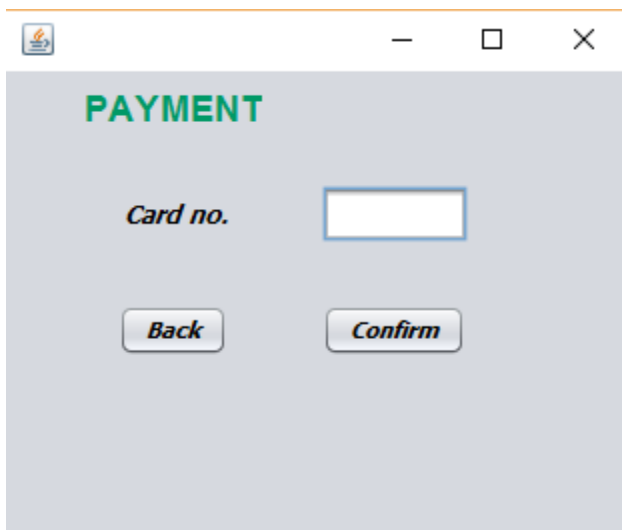
```
jTextField8.setText("");
```

### **//CODE FOR 'BACK' BUTTON**

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

```
new need().setVisible(true);
```

### **CODE FOR PAYMENT FRAME**



### **//CODE FOR 'CONFIRM' BUTTON**

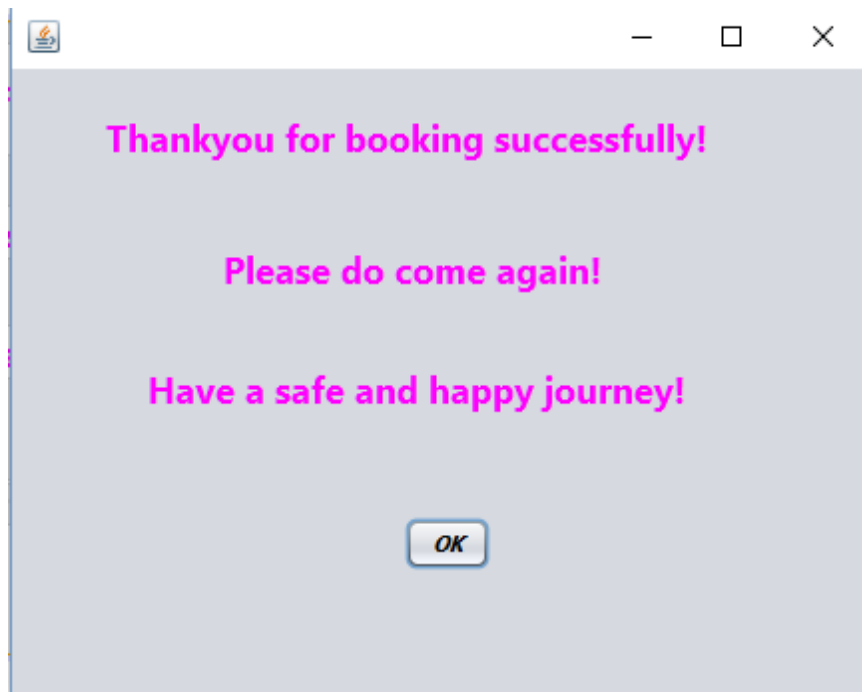
```
JOptionPane.showMessageDialog(this,"Your transaction is  
successful");
```

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

```
new thank().setVisible(true);
```

**//CODE FOR 'BACK' BUTTON**

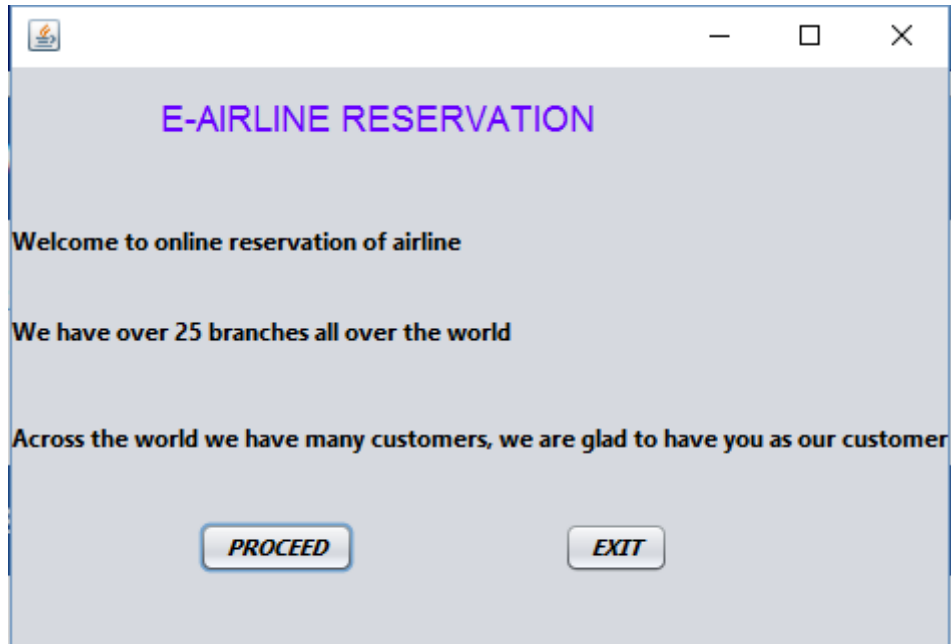
```
this.setVisible(false);  
  
new need().setVisible(true);
```

**CODE FOR THANKS FRAME****//CODE FOR 'OK' BUTTON**

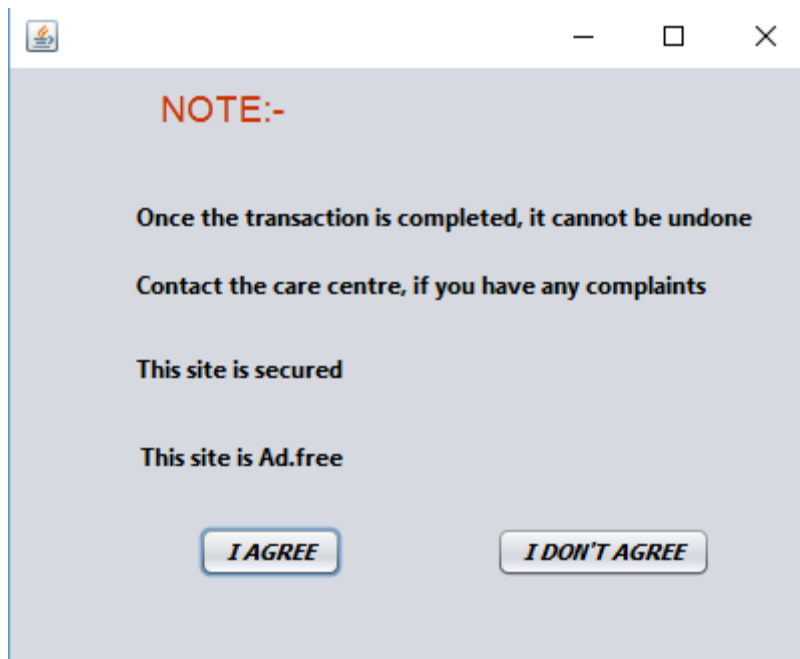
```
this.setVisible(false);  
  
new home().setVisible(true);
```

## OUTPUT SCREEN

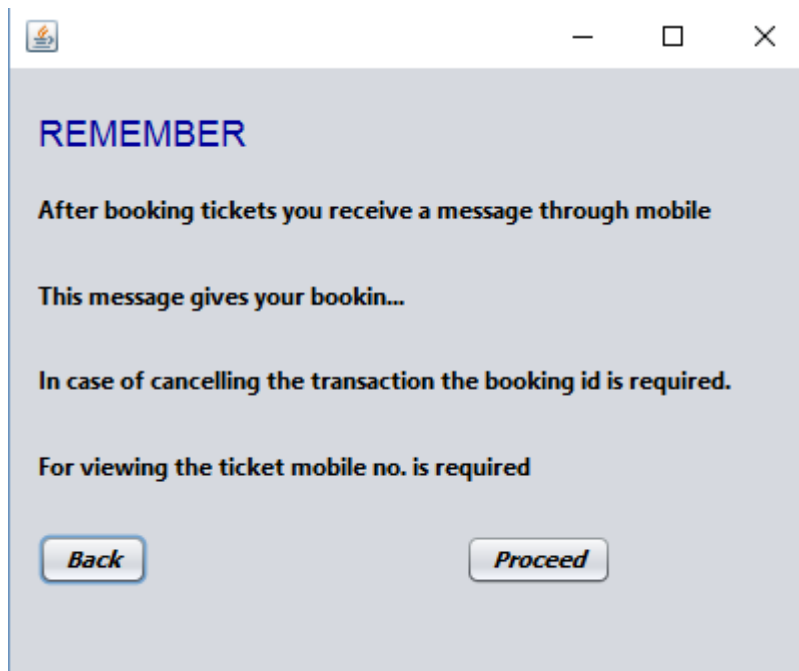
### START UP PAGE



### NOTE PAGE



## CONDITIONS PAGE



A screenshot of a web application window titled "REMEMBER". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main content area is light gray and contains the following text:

**REMEMBER**

After booking tickets you receive a message through mobile

This message gives your bookin...

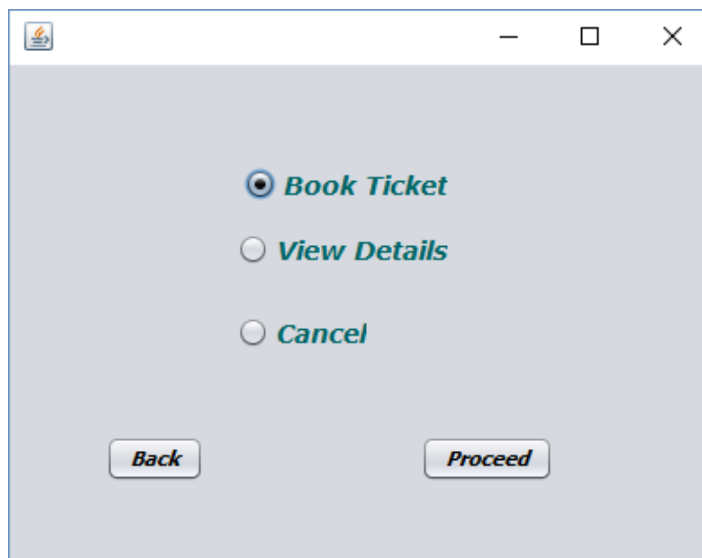
In case of cancelling the transaction the booking id is required.

For viewing the ticket mobile no. is required

At the bottom, there are two buttons: "Back" and "Proceed".

**For booking a ticket**

## NEED FRAME



A screenshot of a web application window titled "NEED FRAME". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main content area is light gray and contains the following text:

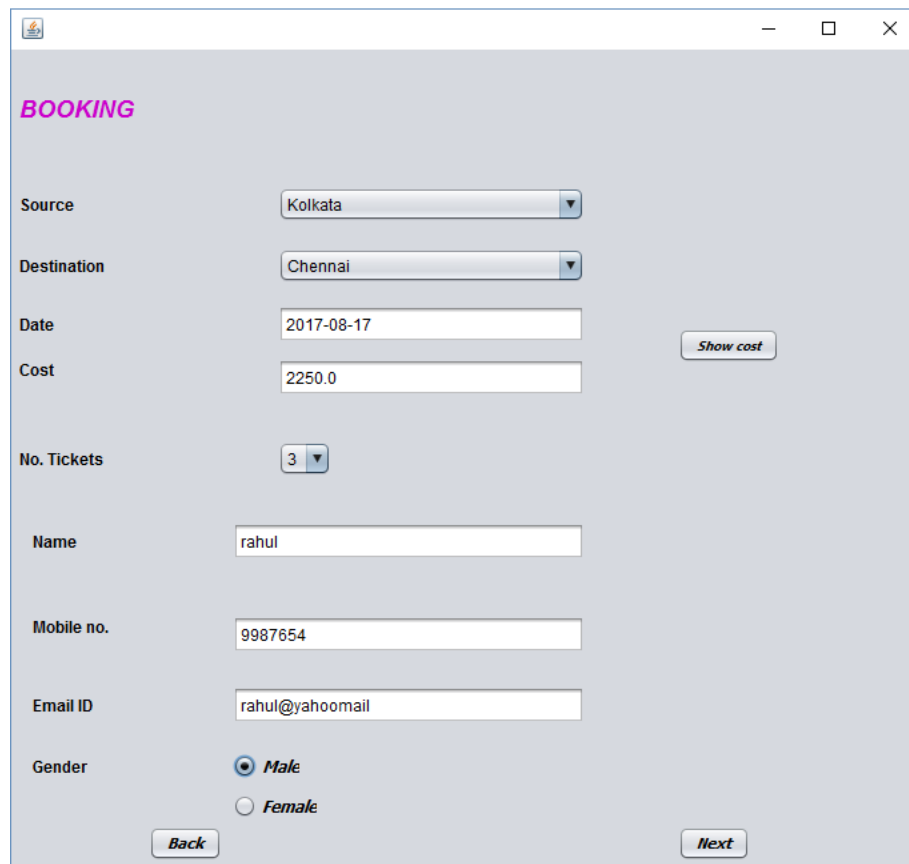
☒ **Book Ticket**

☐ **View Details**

☐ **Cancel**

At the bottom, there are two buttons: "Back" and "Proceed".

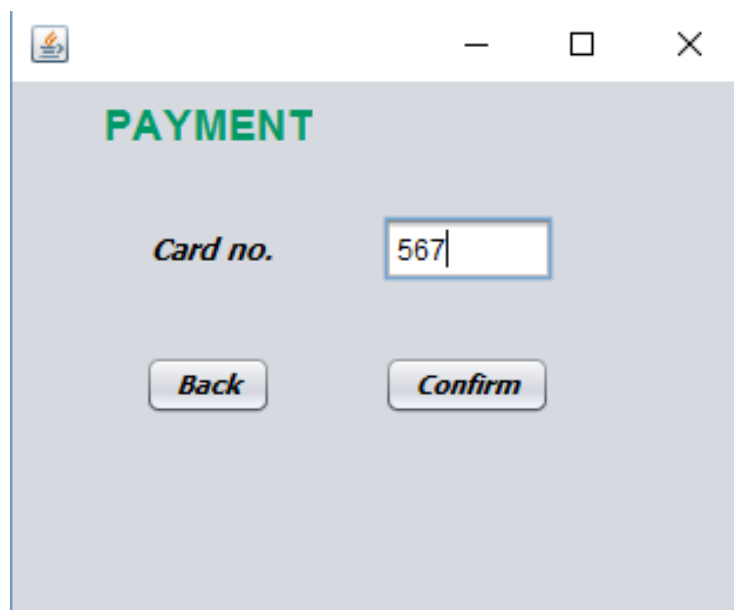
## BOOKING PAGE



A screenshot of a web application window titled "BOOKING". The window has a light gray background and a standard window control bar at the top. The form contains the following fields and controls:

- Source:** A dropdown menu with "Kolkata" selected.
- Destination:** A dropdown menu with "Chennai" selected.
- Date:** A text input field containing "2017-08-17".
- Cost:** A text input field containing "2250.0".
- No. Tickets:** A dropdown menu with "3" selected.
- Name:** A text input field containing "rahul".
- Mobile no.:** A text input field containing "9987654".
- Email ID:** A text input field containing "rahul@yahooemail".
- Gender:** Two radio buttons, "Male" (selected) and "Female".
- Buttons:** A "Show cost" button is located to the right of the Cost field. At the bottom, there are "Back" and "Next" buttons.

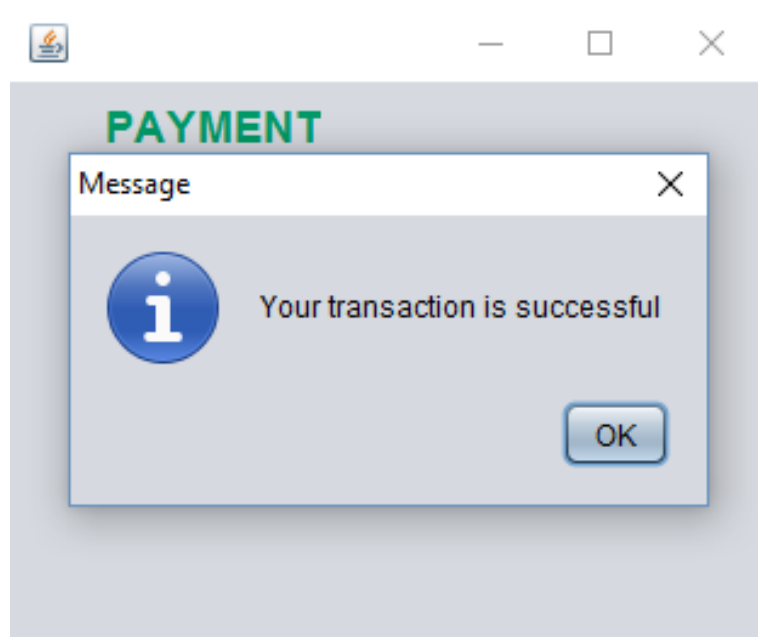
## PAYEMENT



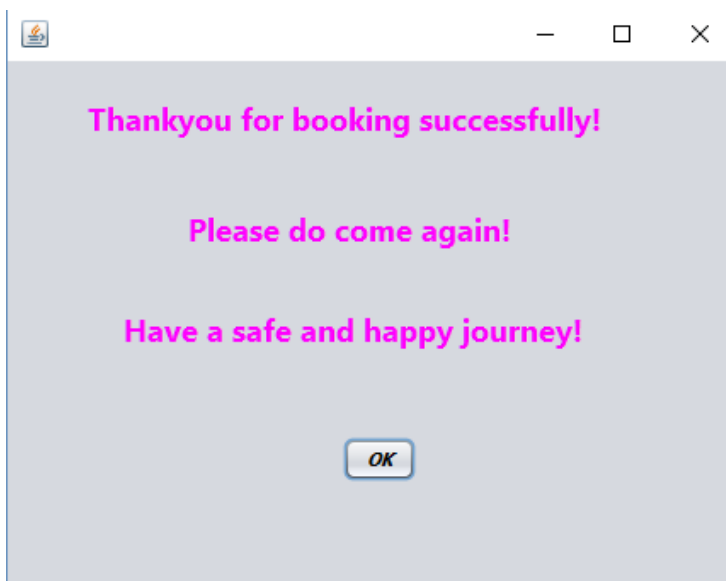
A screenshot of a web application window titled "PAYEMENT". The window has a light gray background and a standard window control bar at the top. The form contains the following fields and controls:

- Card no.:** A text input field containing "567".
- Buttons:** "Back" and "Confirm" buttons are located at the bottom of the form.



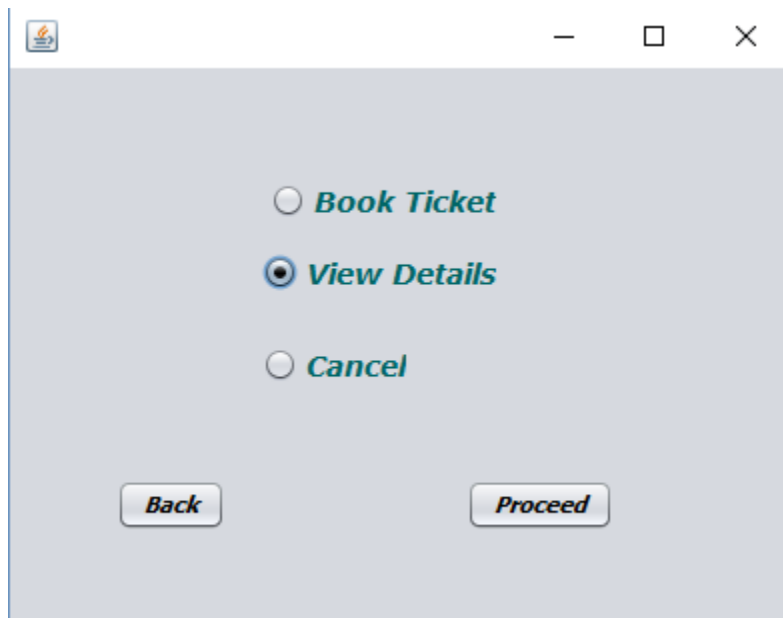


### **THANK YOU PAGE**



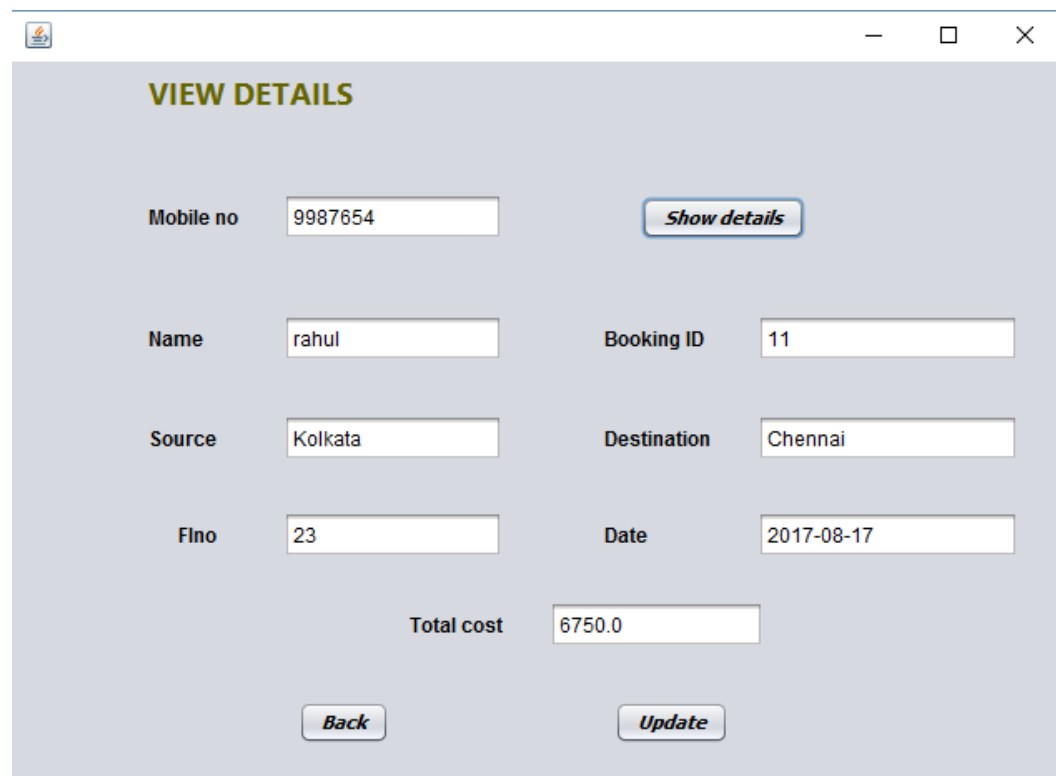
## FOR VIEWING DETAILS

Click on view details



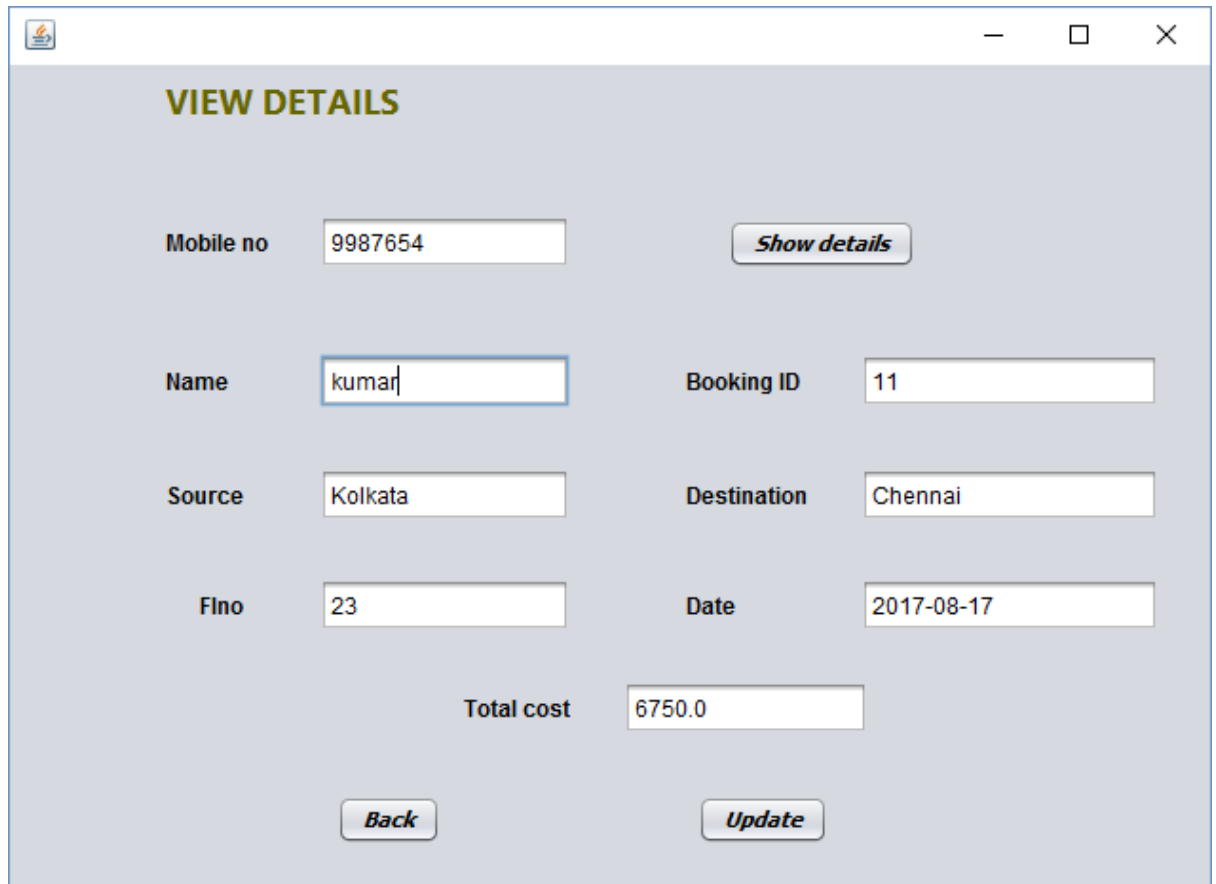
A screenshot of a web application window. At the top, there is a title bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area has a light gray background. In the center, there are three radio buttons arranged vertically. The first is labeled 'Book Ticket', the second 'View Details' (which is selected, indicated by a filled circle), and the third 'Cancel'. Below these radio buttons, there are two buttons: 'Back' on the left and 'Proceed' on the right.

## VIEW PAGE



A screenshot of a web application window titled 'VIEW DETAILS'. The window has a title bar with a small icon and standard window controls. The main content area has a light gray background. At the top, the title 'VIEW DETAILS' is displayed in a bold, dark font. Below the title, there is a form with several fields and buttons. The fields are arranged in two columns. The first column contains 'Mobile no' (9987654), 'Name' (rahul), 'Source' (Kolkata), and 'Flno' (23). The second column contains 'Booking ID' (11), 'Destination' (Chennai), and 'Date' (2017-08-17). Below these fields, there is a 'Total cost' field with the value 6750.0. To the right of the 'Mobile no' field, there is a 'Show details' button. At the bottom of the form, there are two buttons: 'Back' on the left and 'Update' on the right.

You can even update your name by editing the name and clicking on **UPDATE** button

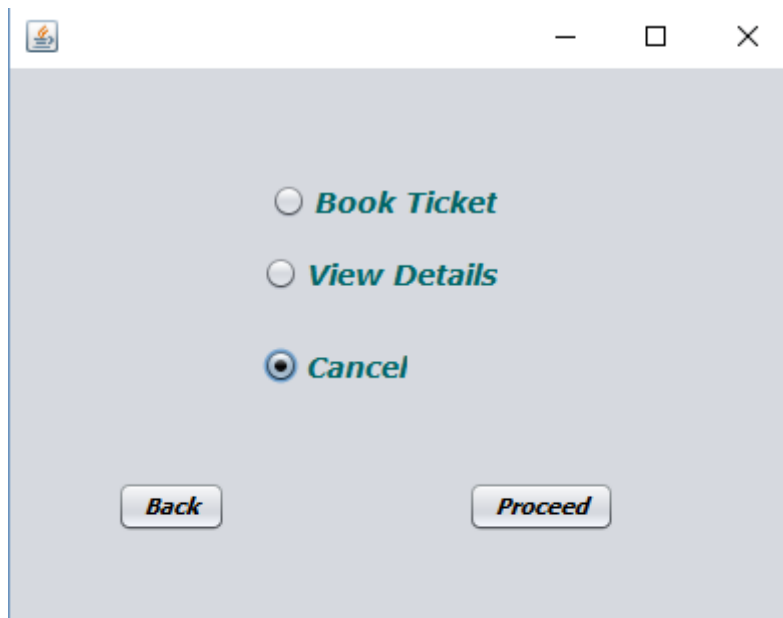


**VIEW DETAILS**

Mobile no	<input type="text" value="9987654"/>	<input type="button" value="Show details"/>
Name	<input type="text" value="kumar"/>	Booking ID <input type="text" value="11"/>
Source	<input type="text" value="Kolkata"/>	Destination <input type="text" value="Chennai"/>
Fno	<input type="text" value="23"/>	Date <input type="text" value="2017-08-17"/>
Total cost		<input type="text" value="6750.0"/>
<input type="button" value="Back"/>		<input type="button" value="Update"/>

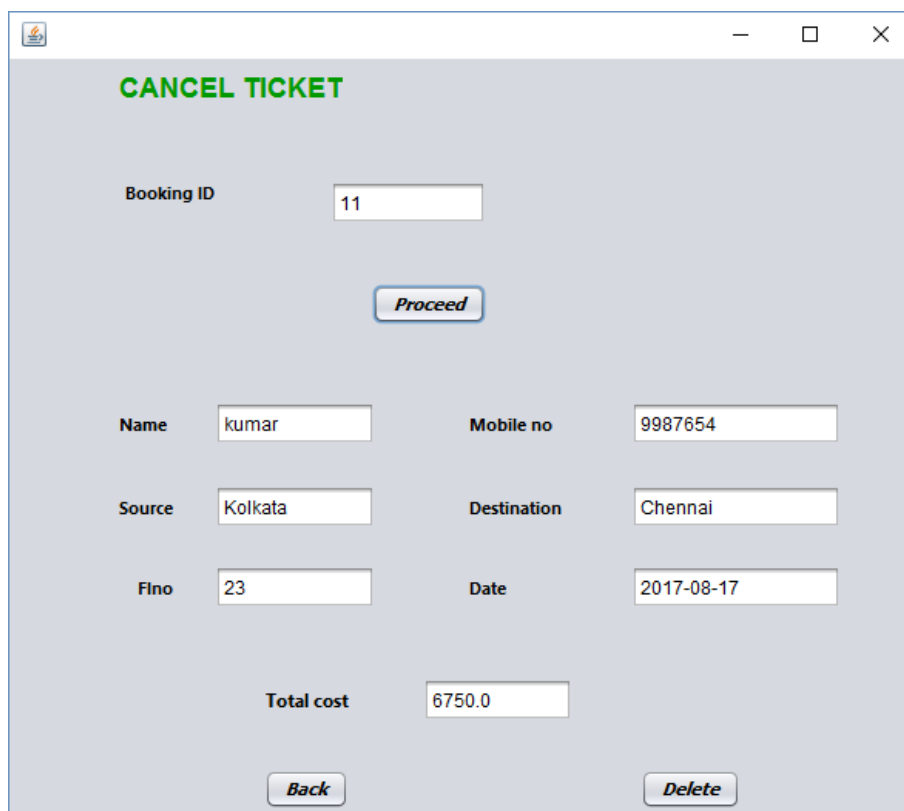
## CANCELLING THE TICKET

Click on the **CANCEL** button

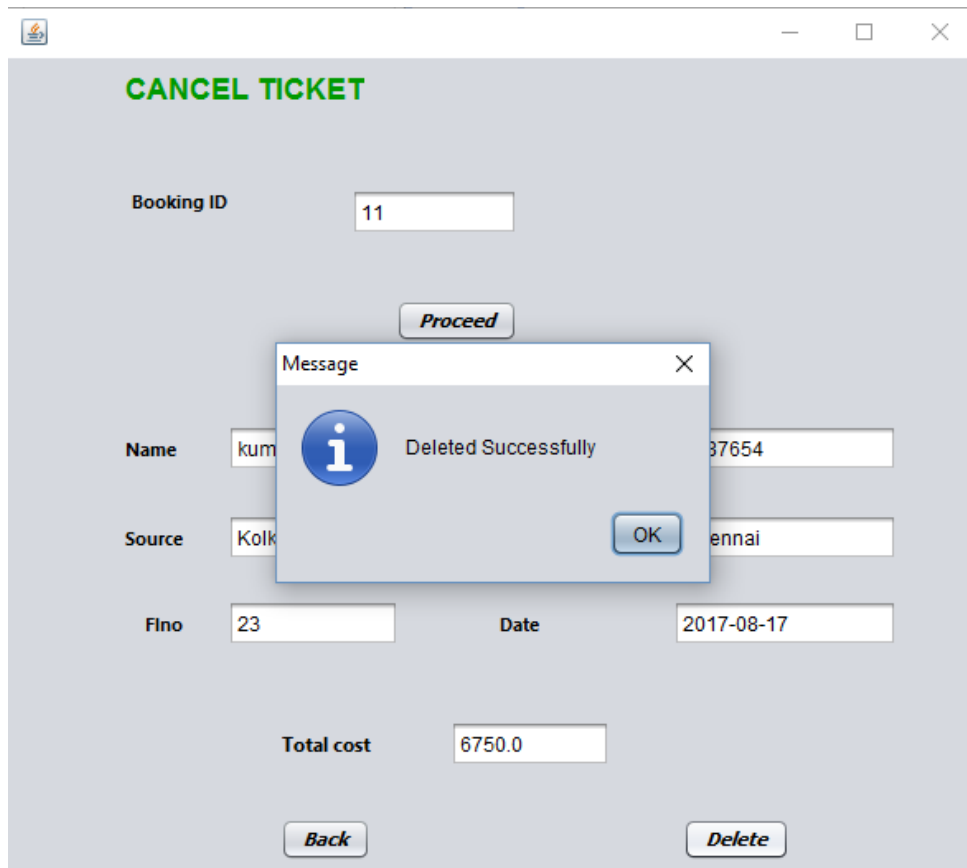


A screenshot of a web application window. At the top, there is a title bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area has a light gray background. It contains three radio buttons, each followed by a label in a blue, italicized font:   
- The first radio button is unselected and followed by "Book Ticket".   
- The second radio button is unselected and followed by "View Details".   
- The third radio button is selected (indicated by a black dot in the center) and followed by "Cancel".   
At the bottom of the window, there are two buttons: "Back" on the left and "Proceed" on the right, both with a light gray background and a thin border.

## CANCEL FRAME



A screenshot of a web application window titled "CANCEL TICKET" in green text. The window has a title bar with a small icon and standard window controls. The main content area has a light gray background. It contains the following elements:   
- A label "Booking ID" followed by a text input field containing the value "11".   
- A "Proceed" button centered below the Booking ID field.   
- A form with six input fields arranged in three rows and two columns:   
 - Row 1: "Name" (input: "kumar"), "Mobile no" (input: "9987654").   
 - Row 2: "Source" (input: "Kolkata"), "Destination" (input: "Chennai").   
 - Row 3: "Flno" (input: "23"), "Date" (input: "2017-08-17").   
- A label "Total cost" followed by a text input field containing the value "6750.0".   
- At the bottom, there are two buttons: "Back" on the left and "Delete" on the right, both with a light gray background and a thin border.




The screenshot shows a web application window titled "CANCEL TICKET" in green text. The form contains several input fields and buttons. A modal message box is overlaid on the form, displaying a blue information icon and the text "Deleted Successfully" with an "OK" button.

**CANCEL TICKET**

Booking ID:

*Proceed*

**Message** [X]

 Deleted Successfully [OK]

Name:

Source:

Fno:  Date:

Total cost:

*Back* *Delete*

## **BIBLIOGRAPHY**

### **Books:-**

1. Informatics Practices NCERT textbook
2. Information Practices SUMITA ARORA textbook
3. Information Practices TOGETHER WITH guide

### **URL references:-**

1. [www.google.co.in](http://www.google.co.in)