PROJECT REPORT

AIRLINE BOOKINGS

JAVA PROGRAMMING

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ACKNOWLEDGEMENT

I would like to convey my thanks to MR. YOGENDRA KUMAR , my JAVA teacher at summer training organized by Kyrion Technologies at BVPCE, Paschim vihar, delhi, for his immense help and guidance in the completion of my project .

This project is submitted as a part of summer training in JAVA PROGRAMMING from 03.06.2019 to 15.06.2019

CERTIFICATE

This is to certify that TARANA SINGHAL of class BMCEM, IPU has completed this project entitled "AIRLINE BOOKING" under my supervision. She has taken keen interest & shown utmost sincerity in the completion of this project.

Mr.Yogendra Kumar

JAVA TRAINER

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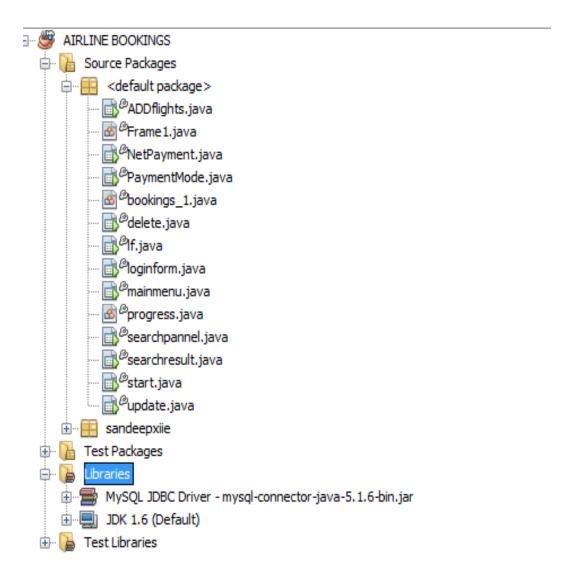PROGRAM OUTPUT

SYSTEM DESCRIPTION

Nurtured from the seed of a single great idea - to empower the traveller – AIRLINE BOOKINGS went on to pioneer the entire online travel industry in India. AIRLINE BOOKINGS has revolutionised the travel industry over the years. This is the story of AIRLINE BOOKINGS, India's Online Travel Leader.

AIRLINEBOOKINGS.com, India's leading online travel company was founded in the year 2000 by Deep Kalra. Created to empower the Indian traveller with instant booking and comprehensive choices, the company began its journey in the US-India travel market. It aimed to offer a range of best-value products and services along with cutting-edge technology and dedicated round-the-clock customer support.

DATABASE DESIGN

```
Enter password: *******
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 5.1.33-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> use yogesh;
Database changed
mysql> desc FLIGHT;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| FlightNo     | varchar(20) | NO   | PRI | NULL    |       |
| Fromm        | varchar(20) | YES  |     | NULL    |       |
| Too          | varchar(20) | YES  |     | NULL    |       |
| Duration     | varchar(10) | YES  |     | NULL    |       |
| FlightCharges| varchar(10) | YES  |     | NULL    |       |
| Date         | date        | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql> select * from FLIGHT;
+----------+----------------+----------------+----------+--------------+------------+
| FlightNo | Fromm          | Too            | Duration | FlightCharges| Date       |
+----------+----------------+----------------+----------+--------------+------------+
| SY0803   | West Bengal    | Rajasthan      | 4 hours  | 11500        | 2017-06-08 |
| SY0903   | J & K          | Delhi          | 2 hours  | 11000        | 2017-06-04 |
| SY4587   | Chennai        | Indore         | 3 hours  | 12000        | 2017-06-10 |
| SY4758   | Madhya Pradesh | Bihar          | 3 hours  | 11500        | 2017-06-27 |
| SY6381   | Banglore       | Pune           | 3 hours  | 10000        | 2017-06-03 |
| SY7425   | Hyderabad      | Andhra Pradesh | 4 hours  | 12500        | 2017-06-11 |
+----------+----------------+----------------+----------+--------------+------------+
6 rows in set (0.00 sec)

mysql>
```

PROJECT EXPLORER

AIRLINE BOOKINGS
  Source Packages
    <default package>
      ADDflights.java
      Frame1.java
      NetPayment.java
      PaymentMode.java
      bookings_1.java
      delete.java
      lf.java
      loginform.java
      mainmenu.java
      progress.java
      searchpannel.java
      searchresult.java
      start.java
      update.java
    sandeepxiie
  Test Packages
  Libraries
    MySQL JDBC Driver - mysql-connector-java-5.1.6-bin.jar
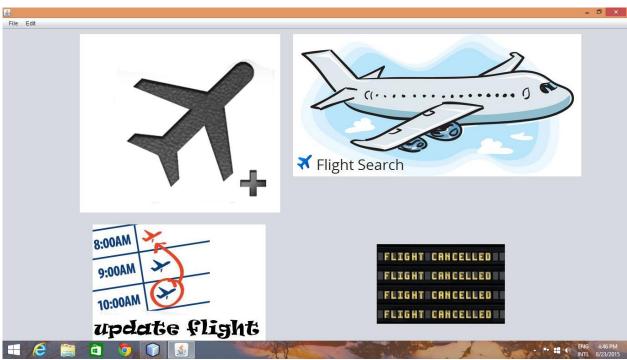   JDK 1.6 (Default)
  Test Libraries

PROGRAM OUTPUT

FORM : LOGIN


```
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{

    String u=txtu.getText();

    String p=new String(txtp.getPassword());

    if((u.equals("admin"))&&(p.equals("sandeep"))) {

       JOptionPane.showMessageDialog(this,"LOGIN SUCCEEDED.");

       new mainmenu().setVisible(true);

       this.setVisible(false);

    } else     JOptionPane.showMessageDialog(this,"LOGIN FAILED.");
```

MAINMENU


```java
private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {
new update().setVisible(true);

        this.setVisible(false);
```

```java
private void jLabel1MouseClicked(java.awt.event.MouseEvent evt) {
new delete().setVisible(true);

        this.setVisible(false);

    // TODO add your handling code here:

  }
```

```java
    private void jLabel4MouseClicked(java.awt.event.MouseEvent evt) {
new searchpannel().setVisible(true);

        this.setVisible(false);

    // TODO add your handling code here:

  }
```

```java
    private void jLabel3MouseClicked(java.awt.event.MouseEvent evt) {
new ADDflights().setVisible(true);
        this.setVisible(false);
```

Add Form

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

String fn = FlightNo.getText();

String f = Fromm.getText();

String t = Too.getText();

String d = Duration.getText();

String c = FlightCharges.getText();

String date = Date.getText();

try

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

Connection con =(Connection)

DriverManager.getConnection

("jdbc:mysql://localhost:3306/yogesh","root","sandeep");

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

```java
String query = "INSERT INTO FLIGHT
VALUES('"+fn+"','"+f+"','"+t+"','"+d+"','"+c+"','"+date+"');";

stmt.executeUpdate(query);

}


catch(Exception e)

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

}
```
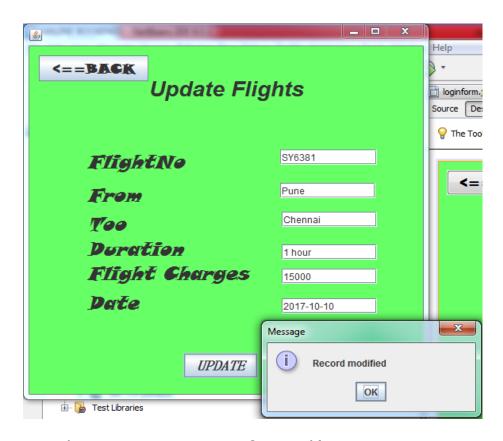
SEARCH FLIGHTS


```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    String fn = FlightNo.getText();

    if (fn.isEmpty())

    {

      Fromm.setText("");

      Too.setText("");

      Duration.setText("");

      FlightCharges.setText("");

      Date.setText("");

      JOptionPane.showMessageDialog (this ,"Enter the Flight Number for
Further Details");


    }
```

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

            Connection con =(Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/yogesh","roo
t","sandeep");

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

            String query = "SELECT Fromm,Too,Duration,FlightCharges,Date
FROM FLIGHT WHERE FlightNo='"+fn+"';";

            ResultSet rs=stmt.executeQuery(query);

            if(rs.next())
            {
                String Fromm = rs.getString("Fromm");
                String Too = rs.getString("Too");
                String Date = rs.getString("Date");
                String Duration = rs.getString("Duration");
                String FlightCharges = rs.getString("FlightCharges");

                this.Fromm.setText(Fromm);
                this.Too.setText(Too);
                this.Date.setText(Date);
                this.Duration.setText(Duration);
                this.FlightCharges.setText(FlightCharges);
        }
            else
```

```java
        JOptionPane.showMessageDialog (this ,"Sorry! No such Flight Number");

    }catch (Exception e)

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

}

}
```
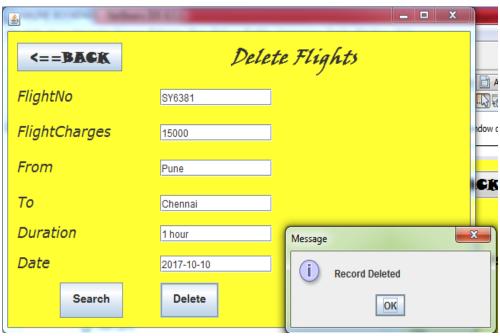
UPDATE FORM


```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

String fn=FlightNo.getText();
try{
Class.forName("java.sql.DriverManager");

Connection con= (Connection)
DriverManager.getConnection
("jdbc:mysql://localhost:3306/yogesh","root","sandeep");
Statement stmt= (Statement) con.createStatement();
String query="SELECT Fromm,Too,Duration,FlightCharges,Date FROM
FLIGHT WHERE FlightNo='"+fn+"';";
ResultSet rs=stmt.executeQuery(query);

fn=FlightNo.getText();
String f = Fromm.getText();
String t = Too.getText();
String d = Duration.getText();
String c = FlightCharges.getText();
```

```java
String date = Date.getText();
String strSQL = "Update FLIGHT set Fromm ='"+(f)+"', Too = '"+(t)+"',
Duration = '"+(d)+"', FlightCharges = '"+(c)+"', Date = '"+(date)+"'
where FlightNo = '" + (fn)+"';";
int rowsEffected = stmt.executeUpdate(strSQL);
if (rowsEffected == 0)
JOptionPane.showMessageDialog(this, "Record does not exists");
else
JOptionPane.showMessageDialog(this,"Record modified");
```

DELETE FORM


```java
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
String fn=FlightNo.getText();
if (fn.isEmpty())

{
txtFromm.setText("");
txtToo.setText("");
txtDuration.setText("");
txtFlightCharges.setText("");
txtdate.setText("");
JOptionPane.showMessageDialog(this,"Enter the Flight No");
}

else
{

try
{

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

Connection con= (Connection)
```

```java
DriverManager.getConnection
("jdbc:mysql://localhost:3306/yogesh","root","sandeep");
Statement stmt= (Statement) con.createStatement();
String query="SELECT Fromm,Too,Duration,FlightCharges,Date FROM
flight WHERE FlightNo='"+fn+"';";
ResultSet rs=stmt.executeQuery(query);

if (rs.next())
{
String Fromm=rs.getString("Fromm");
String Too=rs.getString("Too");
String Duration=rs.getString("Duration");
String FlightCharges=rs.getString("FlightCharges");
String date=rs.getString("Date");
txtFromm.setText(Fromm);
txtToo.setText(Too);
txtDuration.setText(Duration);
txtFlightCharges.setText(FlightCharges);
txtdate.setText(date);
}
else
JOptionPane.showMessageDialog(this,"Sorry!no such name");

}
catch (Exception e)
{
JOptionPane.showMessageDialog(this, e.getMessage());
}
}
// TODO add your handling code here:
}

private void DeleteActionPerformed(java.awt.event.ActionEvent evt) {
try {
Class.forName("com.mysql.jdbc.Driver");
Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/yogesh","roo
t","sandeep");
```

```java
Statement stmt = (Statement) con.createStatement();
String SQL="Select * from FLIGHT;";
stmt.executeQuery(SQL);
String fn= FlightNo.getText();


// Steps to confirm deletion
int opt = JOptionPane.showConfirmDialog(null, "Are you sure to delete
this record ?");
if (opt == JOptionPane.YES_OPTION)
{
try {


String strSQL = "Delete from FLIGHT where FlightNo = '" + (fn)+"'";
int rowsEffected = stmt.executeUpdate(strSQL);
if (rowsEffected == 0)
JOptionPane.showMessageDialog(this, "Record does not exists");
else
{
JOptionPane.showMessageDialog(this,"Record Deleted");
}


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

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