SWE2007

SOFTWARE CONSTRUCTION AND MAINTENANCE

TOURISM MANAGEMENT SYSTEM

J-COMPONENT REVIEW - 3

SUBMITTED TO:

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TOURISM MANAGEMENT SYSTEM

Abstract: -

The objective of the Travel and Tourism Management System project is to develop a system that automates the processes and activities of a travel and tourism agency. The purpose is to design a system using which one can perform all operations related to traveling and sightseeing. The system allows one to easily access the relevant information and make necessary travel arrangements. Users can decide about places they want to visit and make bookings online for travel and accommodation. The customers travelling should be easy by the development of this software. They can book their tour in the official website. This software offers an effective and easy way for managing Travels business. It provides Comprehensive details about the Travel booking like bus and car, type of vehicle which the user wants to take as to their wish among available, and they can book their vehicle also, daily based collection and Vehicle based collection. Longer trips can be accommodated, if booked in advance prior to travel by the customer.

For this project first we have to collect all requirements and have to divide the modules have to be developed. There is a connection between every module. Finally, they can confirm their details and enjoy their tour.

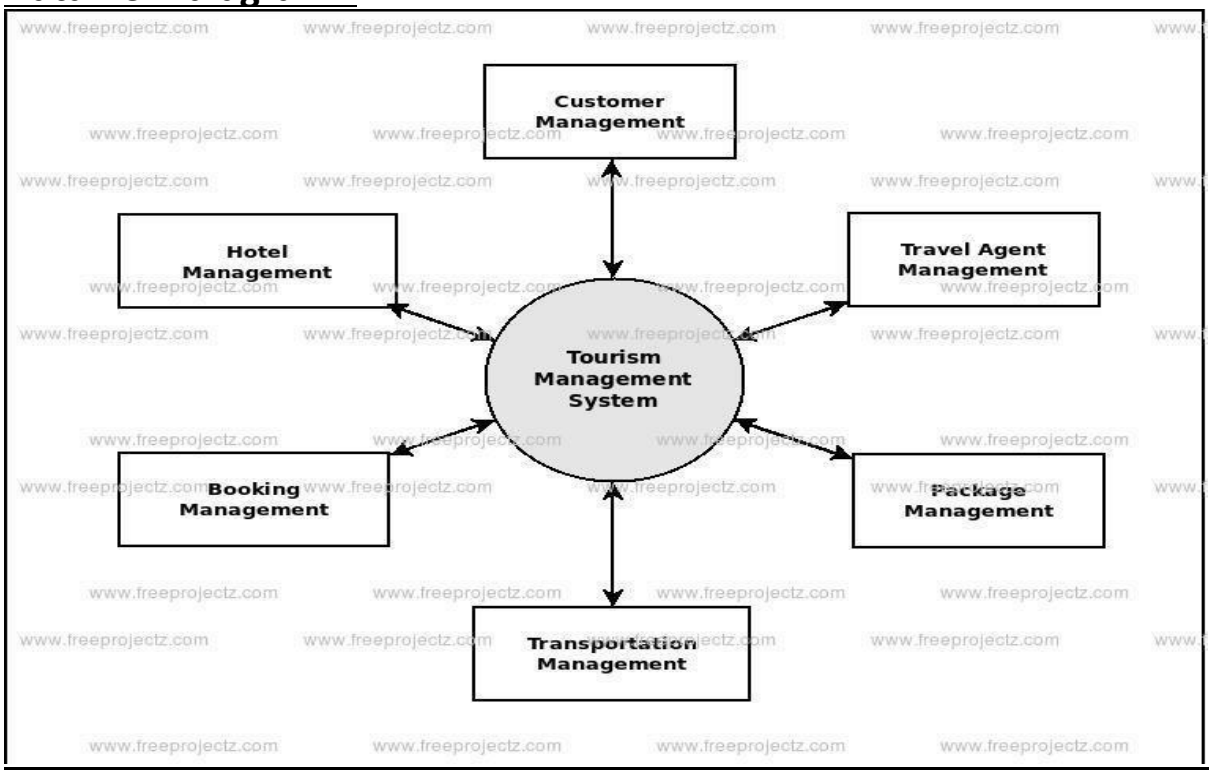
Existing System

- In the existing system, all the records are not kept perfectly because all the work is done manually, so keeping up to date details of the vehicles, timings of bookings, seat availability for reservation, vehicles or rooms/hotels availability is not done.
- Amount of the overall trips are kept in documents and the calculations done are manually which made lead to huge mistakes.
- Thus, the existing system is very time consuming and being manual work sometimes lead to a great loss as well.

Proposed System

- The propose system is highly automated and makes the travelling activities much easier and flexible.
- The user can get the very right information at the very right time. Customers can get the knowledge of the hotels and vehicles they are going to use in their trip prior to their starting of trip. This will increase the trust of the customer into the travel company as well.
- Once the bookings are confirmed all the travel details, customer details as well as all the relevant details related to the trip like hotel name, room number, vehicle number, vehicle owner's details, date of arriving, date of departure, food to be served and every single detail will be available to the client.
- They just need once to click using mouse and everything is made available to them.

Data flow diagram:-



Developed modules: -

- Login module.
- Sign up module.
- Booking a tour.
- Confirmation module.
- Combo packs module.

Log in module: -

In this module customer have to logged into the system with a valid user name and pass word.

Sign up module:-

In this module if the user have not an account in the system they can sign up in to the system with valid details.

Book a tour module:-

In this module the customer can choose their destination and travelling type and can also check the food details.

Conformation module:-

After click button in above module this module will appear. So that they can select no of persons and confirm their details.

Combo pack module:-

If no of persons more than 6 this module will appear and the user can choose the pack as what they want.

Code for the database:-

GOOD CASE:

```
String a = jTextField1.getText();
    String b = jTextField2.getText();
    String c = jTextField3.getText();
    String d =jPasswordField1.getText();   String
f= jPasswordField2.getText();       try
{
Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/signup", "root","");
Statement s = con.createStatement();
String s1 = "insert into SIGNIn
(Username,Email,Phonenumber,Password,Confirmpassword)
```

values('"+a+"','"+b+"','"+c+"','"+d+"','"+f+"');"; System.out.println("sucess");

s.executeUpdate(s1);

}catch(Exception e)

{System.out.println(e);

}

JOptionPane.showMessageDialog(this,"Congrats you have registered!!! Kindly login to book a tour");

BAD CASE:

String ajTextField1.getText();

String b =

jTextField2.getText();

String c = jTextField3.getText();

String d =jPasswordField1.getText(); Stringf=

jPasswordField2.getText(); try

{

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.

getConnection("jdbc:mysql://localhost:3306/signup",

"root","");

Statement s = con.createStatement();

String s1 = "insert into SIGNIn
(Username,Email,

Phonenumber,Password,Confirmpassword)

values('"+a+"','"+b+"','"+c+"','"+d+"','"+f+"');"; System.out.println("sucess");

s.executeUpdate(s1);

}catch(Exception e){System.out.println(e);

}

JOptionPane.showMessageDialog(this,

"Congrats you have registered!!! Kindly login to book a tour");

FOR SIGN UP FORM:

GOOD CASE:

```
public class Signup2 extends javax.swing.JFrame {


   /**
* Creates new form Signup2
    */
   public Signup2() { initComponents();
   }


   /**
* 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")
   // <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {


      jLabel1 = new javax.swing.JLabel();
      jLabel2 = new javax.swing.JLabel();       jLabel3 =
new javax.swing.JLabel();       jLabel4 = new
javax.swing.JLabel();       jLabel5 = new
javax.swing.JLabel();       jLabel6 = new
javax.swing.JLabel();       jTextField1 = new
javax.swing.JTextField();       jTextField2 = new
javax.swing.JTextField();       jTextField3 = new
```

javax.swing.JTextField(); jButton1 = new

javax.swing.JButton(); jButton2 = new

javax.swing.JButton(); jPasswordField1 = new

javax.swing.JPasswordField(); jPasswordField2 = new

javax.swing.JPasswordField();

BAD CASE:

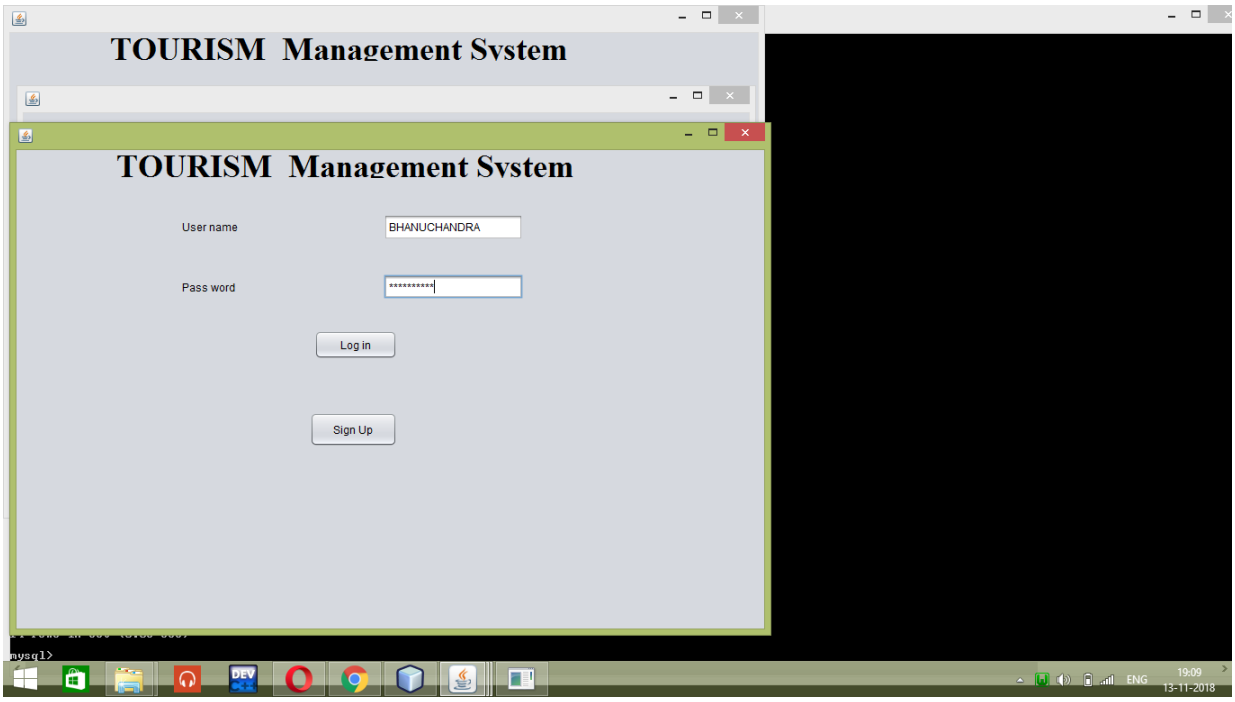
```
public class Signup2 extends javax.swing.JFrame {
public Signup2() {
initComponents();
   }


   private void initComponents() {


      jLabel1 =
 new javax.swing.JLabel();       jLabel2
= newjavax.swing.JLabel();       jLabel3
= new javax.swing.JLabel();       jLabel4
= new javax.swing.JLabel(); jLabel =
new javax.swing.JLabel(); jLabel= new
javax.swing.JLabel();       jTextField1 =
new javax.swing.

JTextField();       jTextField2 = new
javax.swing.JTextField();       jTextField3 = new
javax.swing.JTextField();       jButton1 = new
javax.swing.JButton()       jButton2 = new
javax.swing.JButton(       jPasswordField1 = new
```

javax.swing.JPasswordField() jPasswordField2 = new

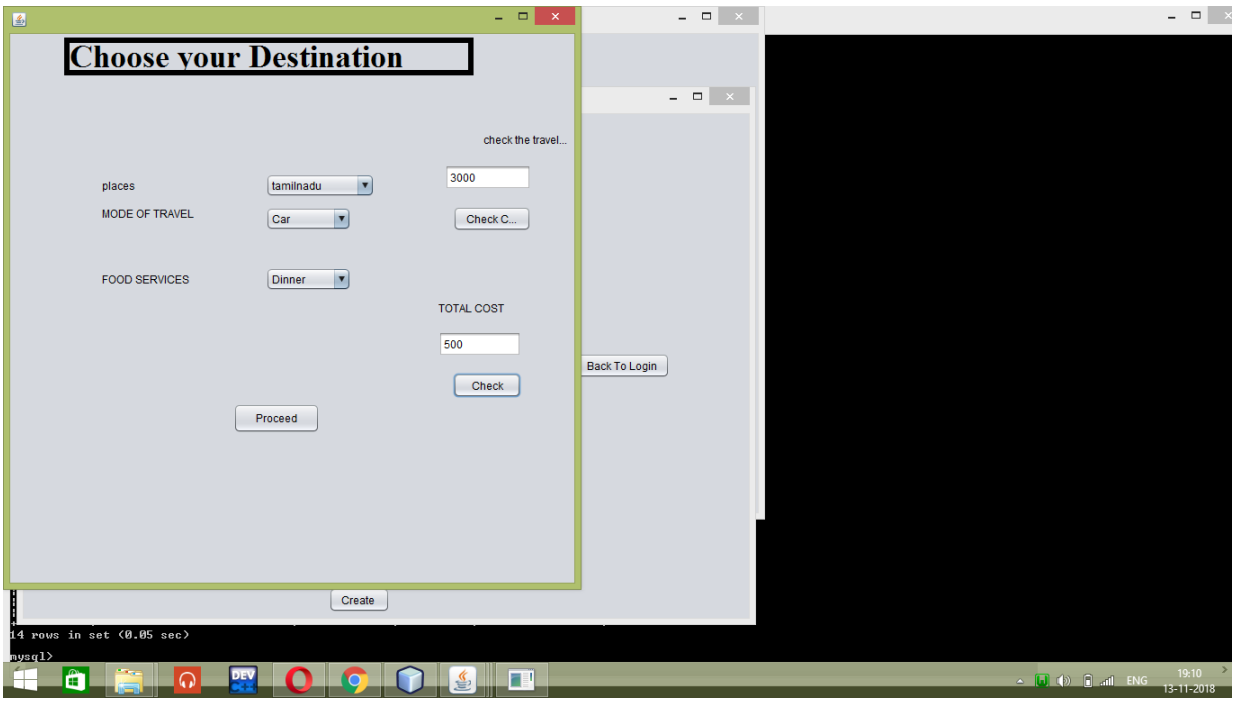
javax.swing.JPasswordField();

Output ScreenShots:

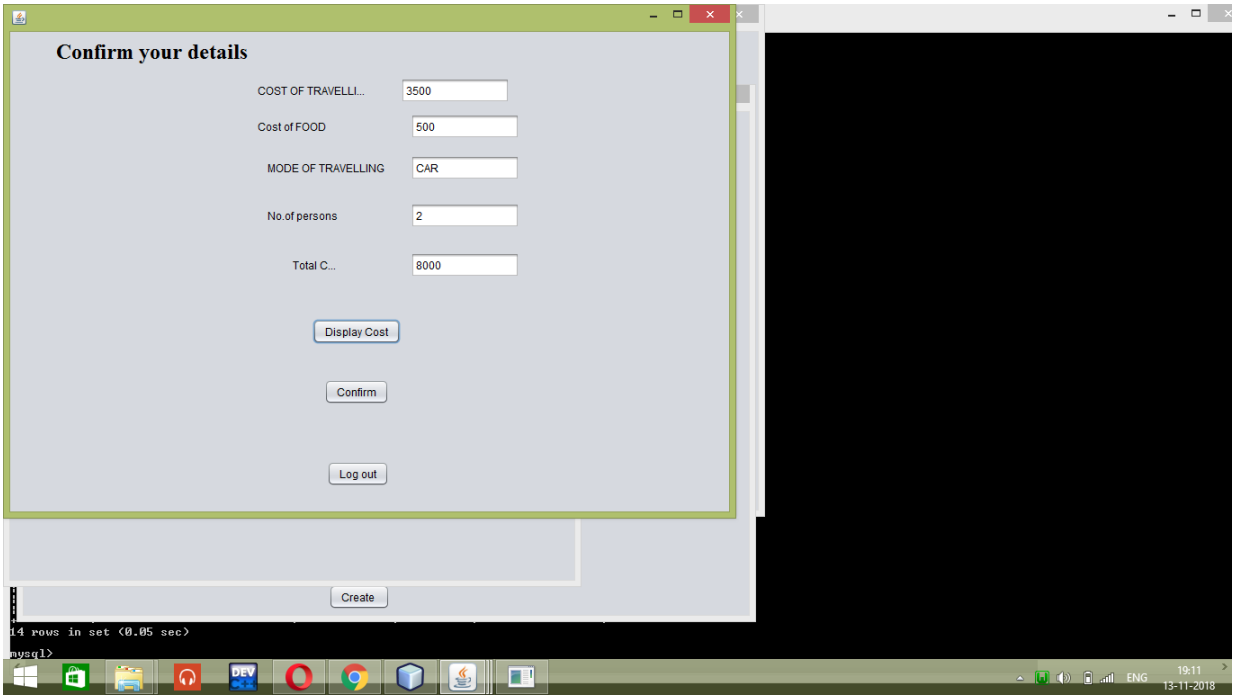
Log in module:-



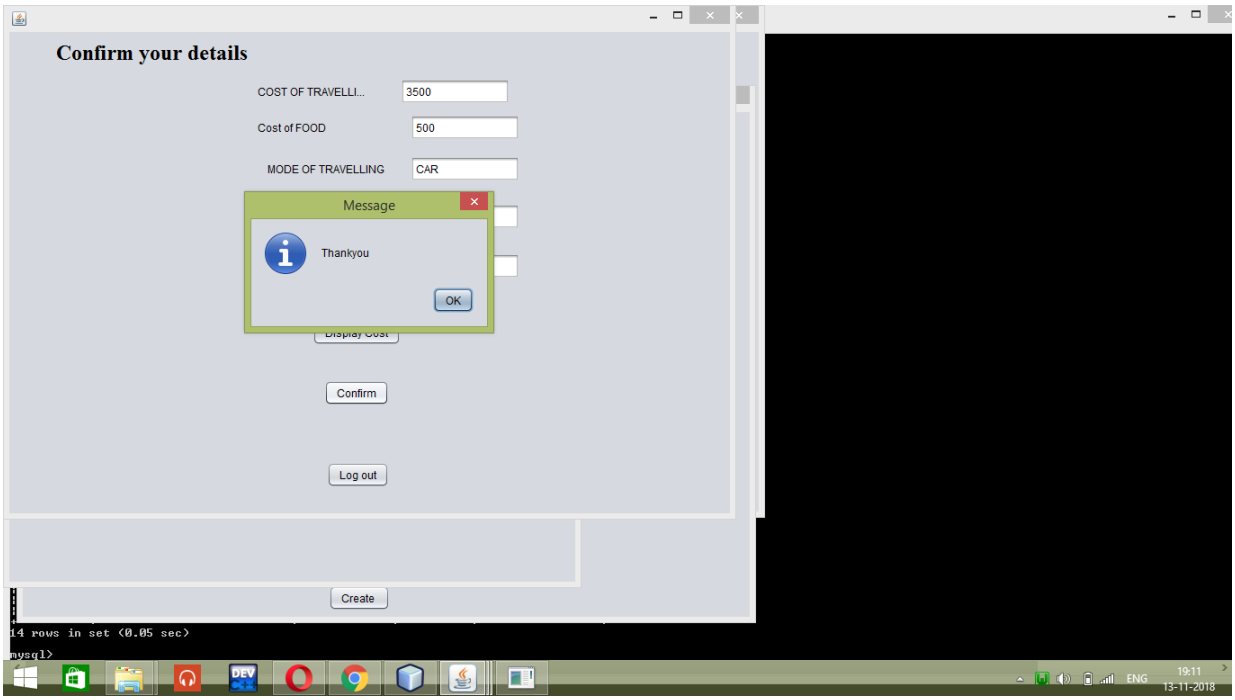
Booking tour:-



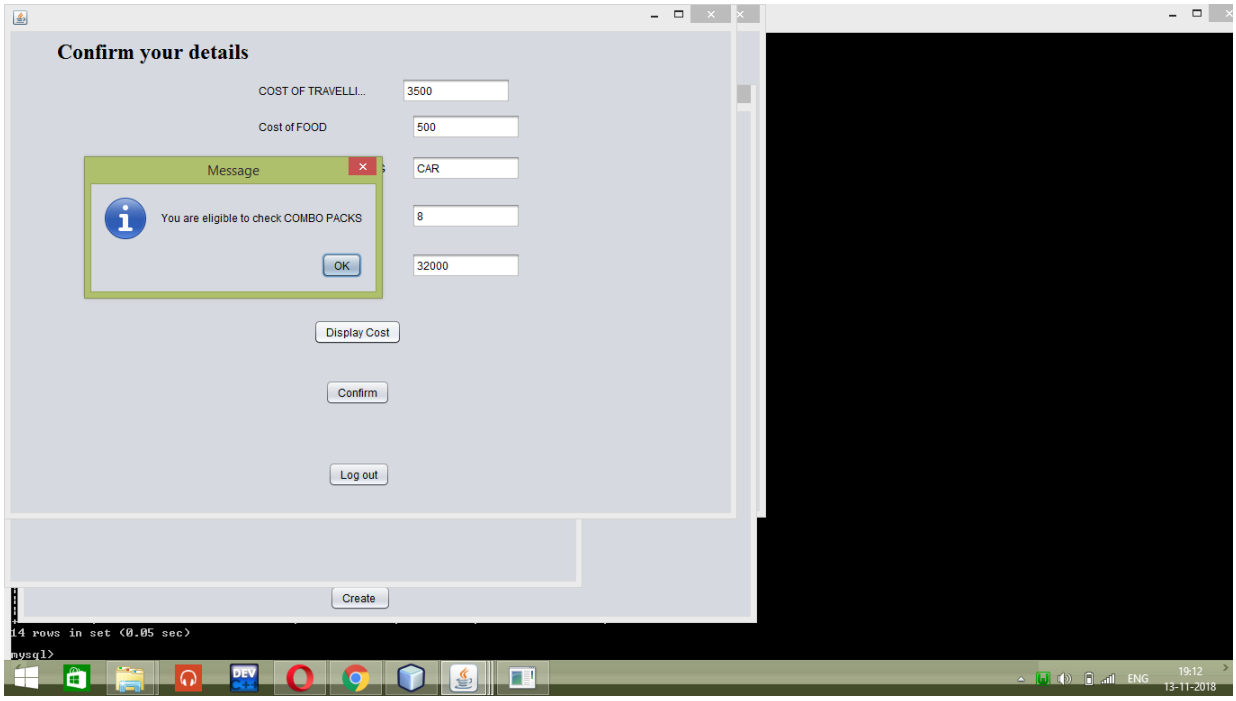
Confirmation module:-

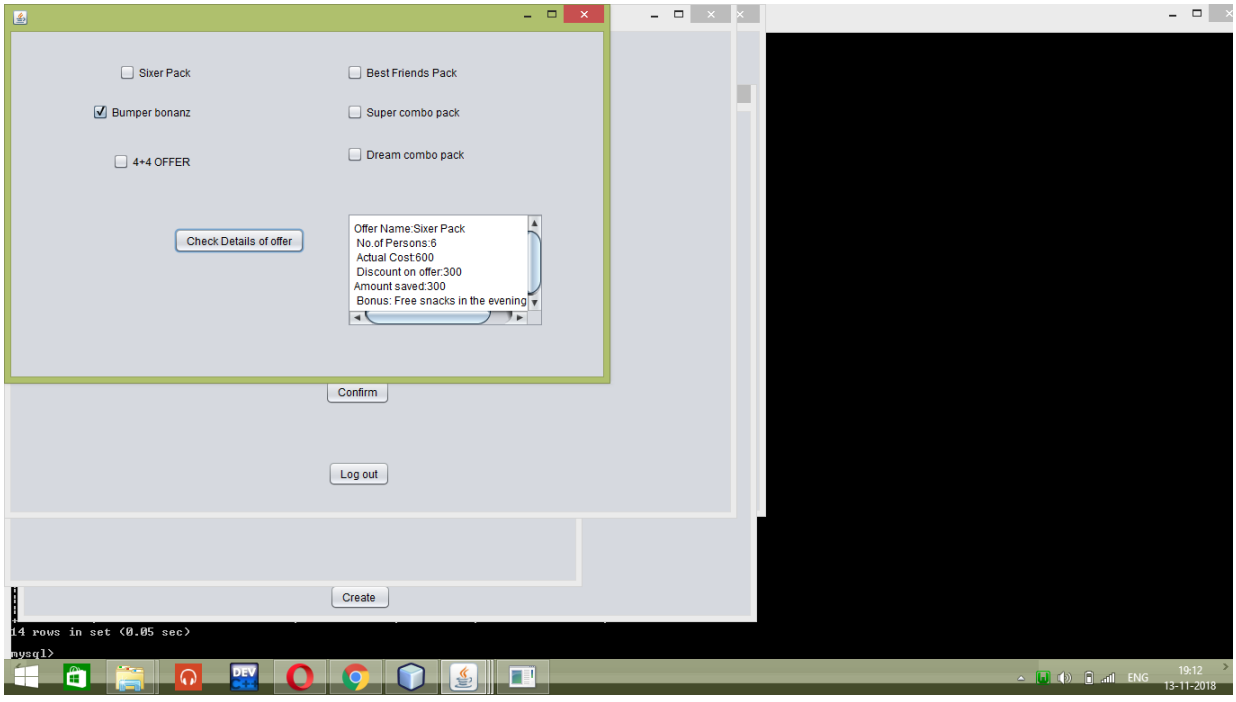


Confirmation message:-

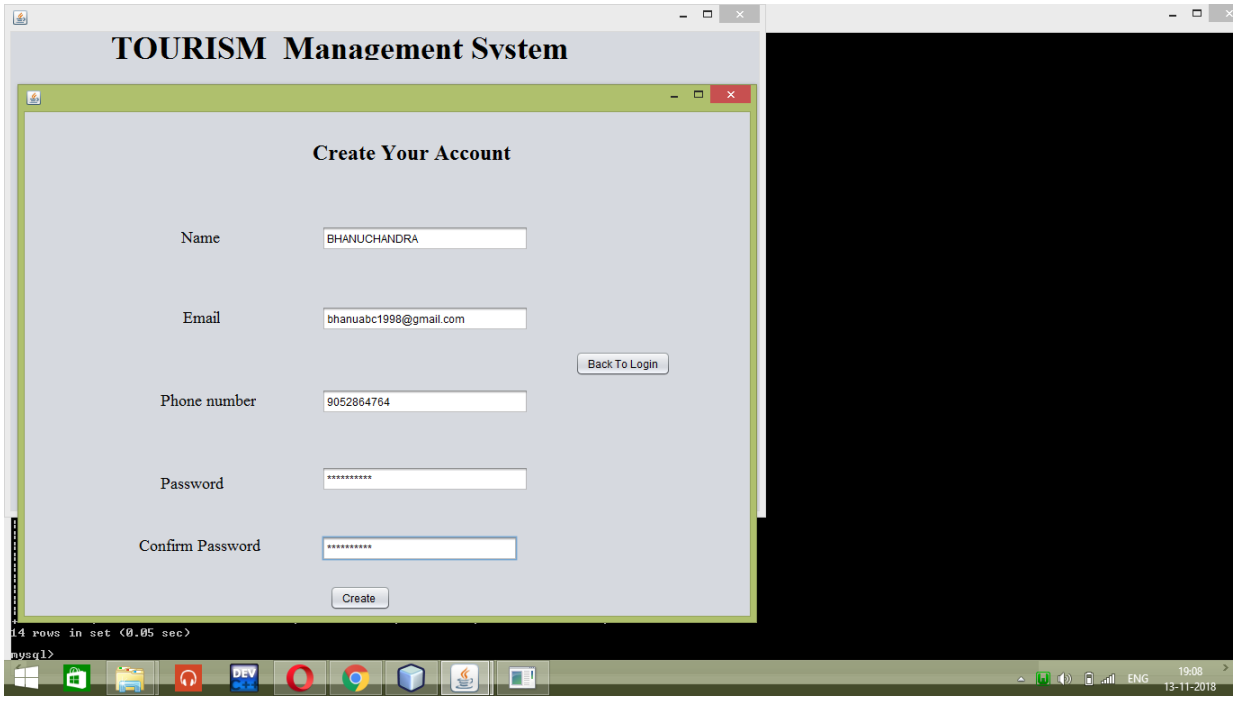


Combo pack module:-





Sign up module:-



Database saved details:mysql> use signup;Database changed

mysql> select * from signin;

+-------------+-------------------------+-------------+----------+-----------------+

| Username | Email | Phonenumber | Password | Confirmpassword |

+-------------+-------------------------+-------------+----------+-----------------+

| BHANUCHANDRA | bhanuabc1998@gmail.com | 9542394183 | naga1998 | naga1998 |

| THEJESH | thejesh1999@gmail.com | 78946563210 | gopi1998 | gopi1998 |

| Harikrishna | hari@gmail.com | 7458961230 | hari1234 | hari1234 |

| Yaswanth | yaswanth@gmail.com | 7894561200 | 123456 | 123456 |

| pawankalyan | pk@gmail.com | 7989800729 |pspk | pspk |

| Lavanya | sfghhs | 1234567890 | one | one |

+------------+------------------------+------------+----------+-----------------+ 7 rows in set (0.07 sec)

mysql> select * from BOOKING_DETAILS;

+-----------------+-----------------+----------+-------------+-----------+

| Nameoftravellar | Costoftravelling | Foodcost | Noofpersons | Totalcost |

+-----------------+-----------------+----------+-------------+-----------+

| BHANUCHANDRA | 3000 | 300 | 4 | 7600 |

| THEJESH | 2000 | 200 | 4 | 8800 |

| Hari | 2000 | 300 | 5 | 11500 |

| Yaswanth | 3000 | 500 | 6 | 21000 |

| Yasawanth | 2000 | 200 | 4 | 8800 |

| pawankalyan | 45 | 67 | 4 | 448 |

+-----------------+-----------------+----------+-------------+-----------+ 6 rows in set (1.54 sec)

Maintenance:

Maintenance is one of the SDLC phases where the modifications are done after the product is delivered. This mainly deals with fixing defects. Modifications which give rise to maintenance involve the changes in the client requirements, market conditions, System modifications and organization changes.

In our tourism management system,

Maintenance comes into picture when any new websites for the same system comes into existence which makes our system to be modified and refined to overcome the problems with the existing one.

Maintenance involves the systems adaptability to the different environments and also it includes portability because the system should be designed in a way that it can be used in any platforms like android, unix, linux, windows, mac ,etc., If these features are not included in our system, it will make our system to be in danger which leads to high maintenance cost and at times it may lead to the failure of the system developed.

We should be updated with the market conditions of new similar systems getting released which involve our system to be done with the modifications to tackle the problems which may arise after the similar system come into existence. This is a kind of maintenance where we do modifications to protect our existing system.

Our system is not too difficult or too complex which may include high maintenance cost as it is not a life critical system.

The details of the users should be updated and maintained by the system.

In case of the failure,alternatives like beta version should be available immediately inorder to avoid the dissatisfaction for the users.

Conclusion: -

For this project we have successfully done all the modules which are mentioned above.

Process:

Login→Home→Proceed→Combo Packs. Also signup form if required.

The tourism management system therefore satisfies the users with security provided for their details by using databases online.

The proposed system is well executed and is far better and secured than the existing system.

*** THANK YOU ***