VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA,

BELAGAVI – 590014

MINI PROJECT REPORT

ON

"TRAVEL AND TOURISM DATABASE MANAGEMENT STSTEM"

Submitted in partial fulfillment for the requirement of 5 th semester for the

Degree of Bachelor of Engineering in

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DECLARATION

We, NANDAN A AND SUBHASH S , students of fifth semester B.E, Department of Computer Science and Engineering, Jnana vikas Institute of Technology, Bidadi, Bengaluru, declare, that the Project Work entitled "TRAVEL AND TOURISM DATADASE MANAGEMENT SYSTEM" has been carried out by and submitted in partial fulfillment of the requirement of 5 th semester Aug 2021-Jan 2022. The matter embodied in this report has been submitted to any university or institute for the award of any other degree or diploma.

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ABSTRACT

A tour and travel website is a website on the internet that is declared to travel. The site may be focused on travel reviews, trip fares, or a combination of both. Many travel websites are online travelogues or travel journals, usually created by individual travellers and hosted by companies that generally provide the information to consumer for free. The purpose of website to establish fact that internet users are increasing today. One of the main purposes of the website is to facilitate the office consumer cannot spend their precious time in markets trying to find the best deal. India is a country where in a few days holiday, you can enjoy a lot. The is that although we having many websites but they offer different kinds of services. The customers are enjoying a lot but there is a lack of relationship between travel agency and customers and hence we are establishing that relationship by caring and serving all customers in the same manner that we wish to be served. We need to build a world class team armed with knowledge and backed by technology to advise customers in planning of their holidays and to answer their queries. We will provide them services which they need in duration of their holidays and we'll like to hear from our customers because customer feedback will encourage us to improve our services. We also manage some entertainment services during travel if you required. In this website you can choose any package of tour and travel services and enjoy a lot.

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CHAPTER 1

INTRODUCTION

1.1 Overview

This report discusses the result of the work done in development of "TRAVEL AND TOURISM DATABASE MANAGEMENT SYSTEM on “JAVA” Front-end Platform and “MYSQL” as back-end Platform.

At the development of an application JAVA provides a good connecting facility between all pages, also the back-end MYSQL is most important to save all the data related the application.

1.2 Background and Motivation

The definition of our problem lies in manual system and a fully automated system.

Manual system: The system is very time consuming and lazy. This system is more prone to Errors and sometimes the approaches to various problems are unstructured.

Technical system: With the advent of latest technology if we do not update our system then our business results in losses gradually with time. The technical systems contain the tools of latest Trend i.e., computers printers, fax, Internet etc. The systems with this technology are very fast, Accurate, user-friendly and reliable.

1.3 Methodology

To implement the above goals, the following methodology needs to be followed:

1. Specifying the Application and various components of the Architecture.
2. Specifying the bindings between the tasks and the resources either manually or by the design Tools.
3. Specifying the port interconnections between the resources.

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CHAPTER 2

SCOPE OF PROJECT

The scope of the project is clear to give a simple and attractive application to simplify the work as well as to reduce the efforts while doing it offline or we can say by doing it with old methods.

In this application we are able to save database of all products present on the site. In this we can buy any product very easily.

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CHAPTER 3

REQUIREMENTS

We are going to perform the project on windows platform so we need the OS as windows. Any version of windows as windows xp, windows 10. The system should have minimum ram of 256MB as well as minimum storage capacity of 15GB.

The system should contain the server software named as “NetBeans” of version 12.0. And WAMP server of version 3.2.3.3 or above. First, we have to install both software and we have to do connectivity between them by adding the libraries and creating connection class for wamp.

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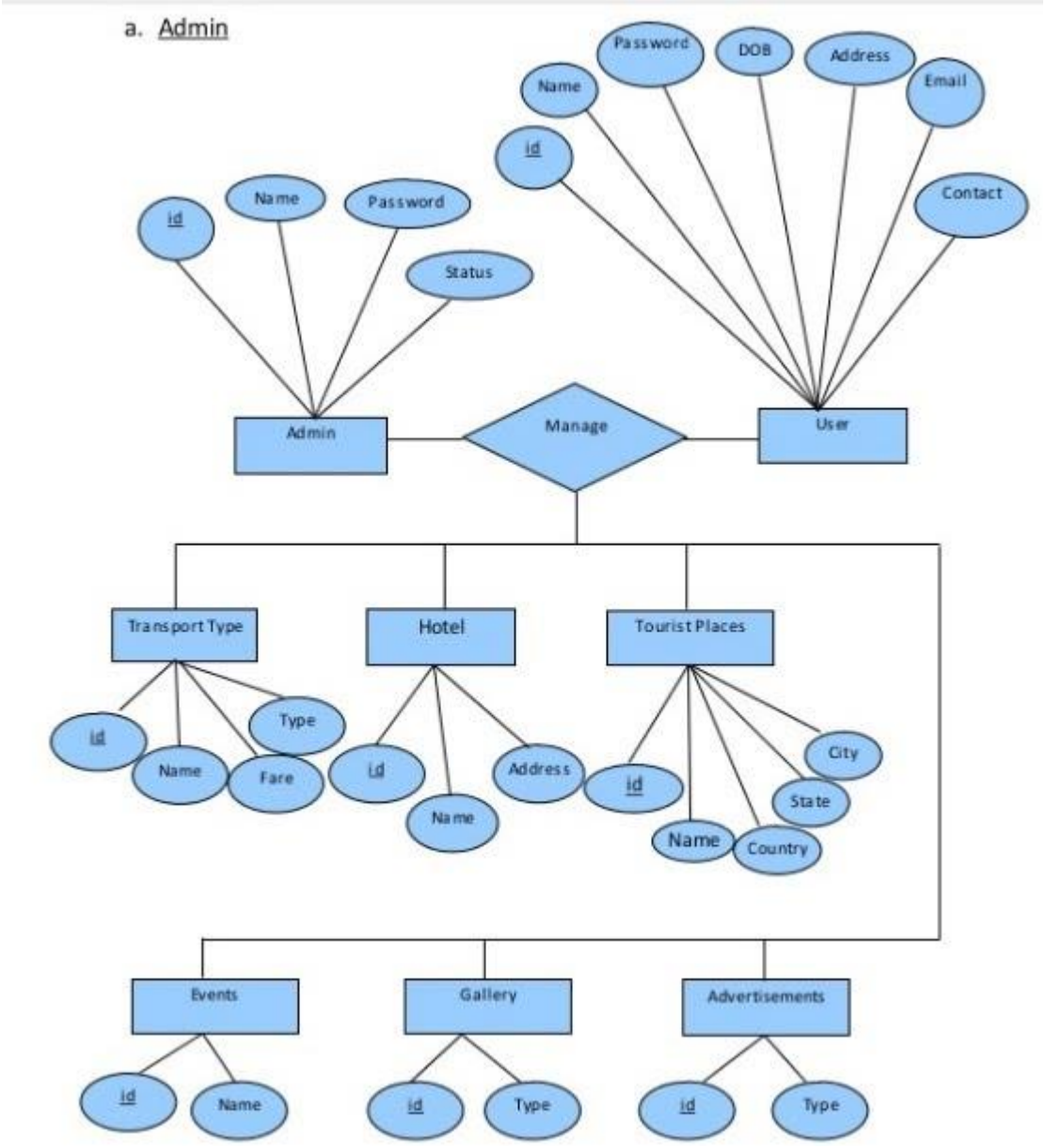
CHAPTER 4

DATA DIRECTORY

Tablename:-Login

>db.account.find ();
{"username":"omg","name":"admin","phone_number":"9663782331",
"email":"omg@gmail.com","Password":"admin"}

4.1 E-R DIAGRAM



4.3 Schema diagram

Account

username	name	Phone number	email	password

Security

username	security	answer

Booking

username	city	places	people	vehicle	Driving mode	days

Bill

username	bill

Payment

username	Payment mode

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CHAPTER 5

RELATIONAL DATA BASE DESIGN

1]Account: -

Username, name , phone no , email , password

Username	name	Phone no	Email	password

2] Security: -

Username , security , answer

Username	security	answer

3]Booking: -

username , city , places , vehicle , driving mode , days

username	city	places	vehicle	Driving mode	days

4]Bill: -

username , bill

Username	bill

5]Payment: -

Username, payment mode

Username	payment	mode

5.1 Database Normalization:

First Normal Form: -

The relation is in 1NF if it has no repeating groups. All tables have no repeating groups so they are in 1NF

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Tables: -

1] Account: -

Username, name, phone no, email, password

Username	name	Phone no	email	password

2]Security: -

username, security, answer

username	security	answer

Third Normal Form: -

A relation is said to be in third normal form if it is already in 1 st and 2 nd NF and has no transitive dependency.

1]Account: -

Username, name, phone no, email, password

Product_id	Product_type	Product_number	Store_id	Price

2]Security: -

Username , security , answer

Username	Security	answer

3]Booking: -

username , city , places , vehicle , driving mode , days

username	city	places	vechile	Driving mode	days

4]Bill: -

Username, bill

username	bill

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CHAPTER 6

GRAPHICAL USER INTERFACE

The application is very user friendly and uses a GUI interface implemented in JAVA and MYSQL to Communicate with the user. Various features are self – explanatory. Forms are easy to fill in and components can be added, removed and updated very easily through a Single dialog box. The application includestool-tip hints to give a brief description of the particular input Field.

List boxes are used to display all the components at once so that user can see all the components of a Particular type at once. One can just select the component and modify and remove the component. (based on the access control of the person)

Features

1. Clean separation of various components to facilitate easy modification and revision.
2. All the data is maintained in a separate file to facilitate easy modification
3. All the data required for different operations is kept in a separate file.
4. Quick and easy saving and loading of database file.

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CHAPTER

SOURCECODE

```
package travel.management.system;
import javax.swing.*;
 import java.awt.*;
 import javax.swing.border.*;
 import java.awt.event.*;
 import java.sql.*;
 public class Login extends JFrame implements ActionListener{
 JButton b1,b2,b3;
 JTextField t1;
 JPasswordField t2;
Login(){
// setSize(400,400);
 // setLocation(400,200)
setLayout(null);
 getContentPane().setBackground(Color.WHITE);
setBounds(400,300,800,400);
 JPanel p1=new JPanel();
p1.setBackground(new Color (230,230,250));
p1.setBounds(0, 0, 400, 400);
// p1.setLayout(null);
add(p1);
 ImageIcon i1=new
ImageIcon(ClassLoader.getSystemResource("travel/management/system/icon/login (1).png"));
Image i2=i1.getImage().getScaledInstance(200, 200, Image.SCALE_DEFAULT);
ImageIcon i3=new ImageIcon(i2);
 JLabel l1= new JLabel(i3);
 l1.setBounds(200, 300, 100, 200);
 p1.add(l1);
 JPanel p2=new JPanel();
p2.setBackground(new Color (192,192,192));
 p2.setBounds(400, 0, 400, 400);
 p2.setLayout(null); add(p2); JLabel l2=new JLabel("Username");
```

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```
l2.setBounds(60,20,100,25);
 l2.setFont(new Font ("SAN_SERIF",Font.PLAIN,20));
 p2.add(l2);
 t1=new JTextField();
 t1.setBounds(60, 60, 300, 30);
 t1.setBorder(BorderFactory.createEmptyBorder());
 p2.add(t1);
 JLabel l3=new JLabel("Passward");
 l3.setBounds(60,110,100,25);
 l3.setFont(new Font ("SAN_SERIF",Font.PLAIN,20));
 p2.add(l3);
 t2=new JPasswordField();
 t2.setBounds(60, 150, 300, 30);
t2.setBorder(BorderFactory.createEmptyBorder());
 p2.add(t2);
 b1=new JButton("Login");
 b1.addActionListener(this);
 b1.setBounds(60,250,130,30);
 b1.setBackground(new Color(95,158,160));
 b1.setForeground(Color.WHITE);
 b1.setBorder(BorderFactory.createEmptyBorder());
 p2.add(b1);
 b2=new JButton("signup");
 b2.addActionListener(this);
 b2.setBounds(220,250,130,30);
 b2.setForeground(new Color(95,158,160));
 b2.setBackground(Color.WHITE);
b2.setBorder(new LineBorder (new Color(230,230,250)));
 p2.add(b2);
 b3=new JButton("forgot password");
 b3.addActionListener(this);
 b3.setBounds(150,300,100,25);
 b3.setForeground(new Color(95,158,160));
 b3.setBackground(Color.WHITE);
 b3.setBorder(new LineBorder (new Color(230,230,250)));
 p2.add(b3); setVisible(true);
 }
```

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```
public void actionPerformed(ActionEvent ae){
if(ae.getSource()==b1){
 Boolean status = false;
 try {
 Conn con = new Conn();
 String sql = "select * from account where username=? and Password=?";
 PreparedStatement st = con.c.prepareStatement(sql);
st.setString(1, t1.getText());
 st.setString(2, t2.getText());
 ResultSet rs = st.executeQuery();
 if (rs.next()) {
 this.setVisible(false);
 new Loading(t1.getText()).setVisible(true);
} else
JOptionPane.showMessageDialog(null, "Invalid Login or Password!");
} catch (Exception e2) {
e2.printStackTrace();
 }
   }
else if(ae.getSource()==b2){
 this.setVisible(false);
new Signup().setVisible(true);
this.setVisible(false);
}else if (ae.getSource()==b3){
 this.setVisible(false);
 new ForgotPassword().setVisible(true);
 }
    }
 public static void main(String[] args){
 new Login();
}
}
```

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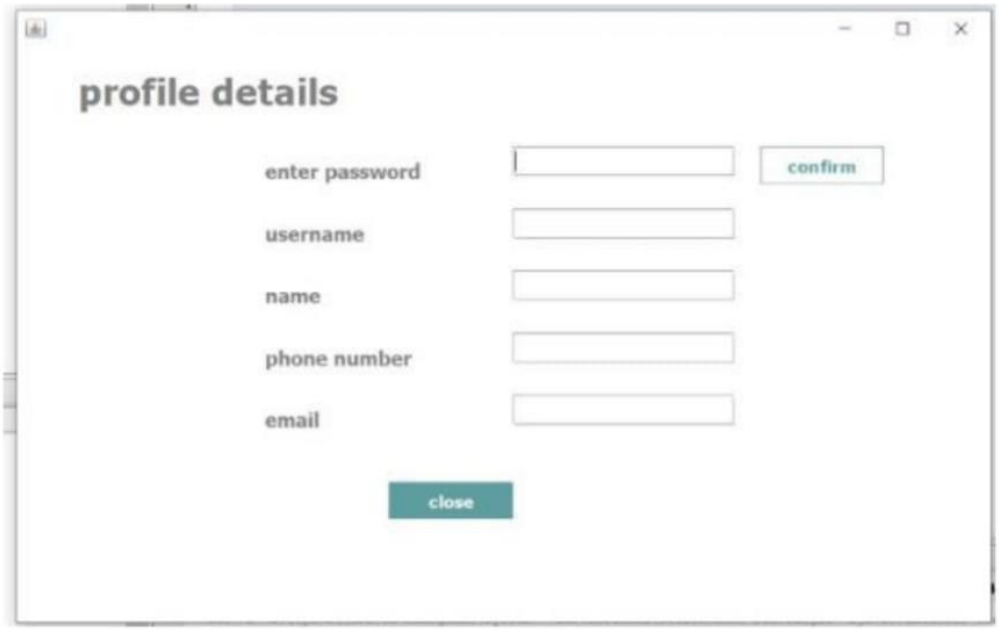
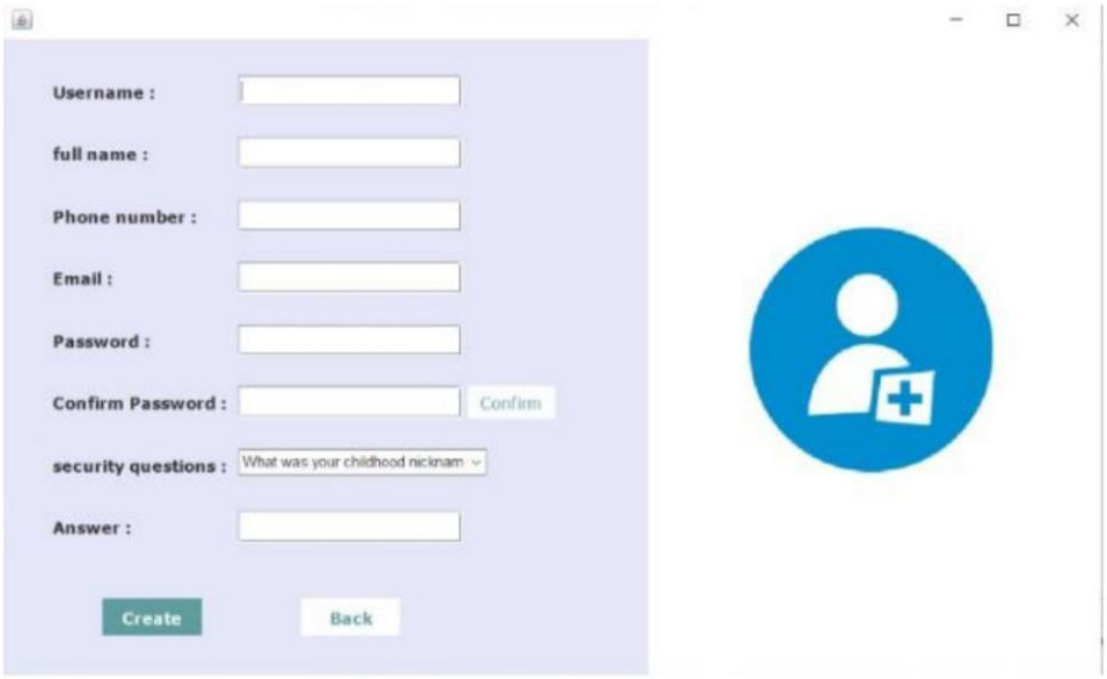
7.2 Snapshots of the application

PROFILE : -

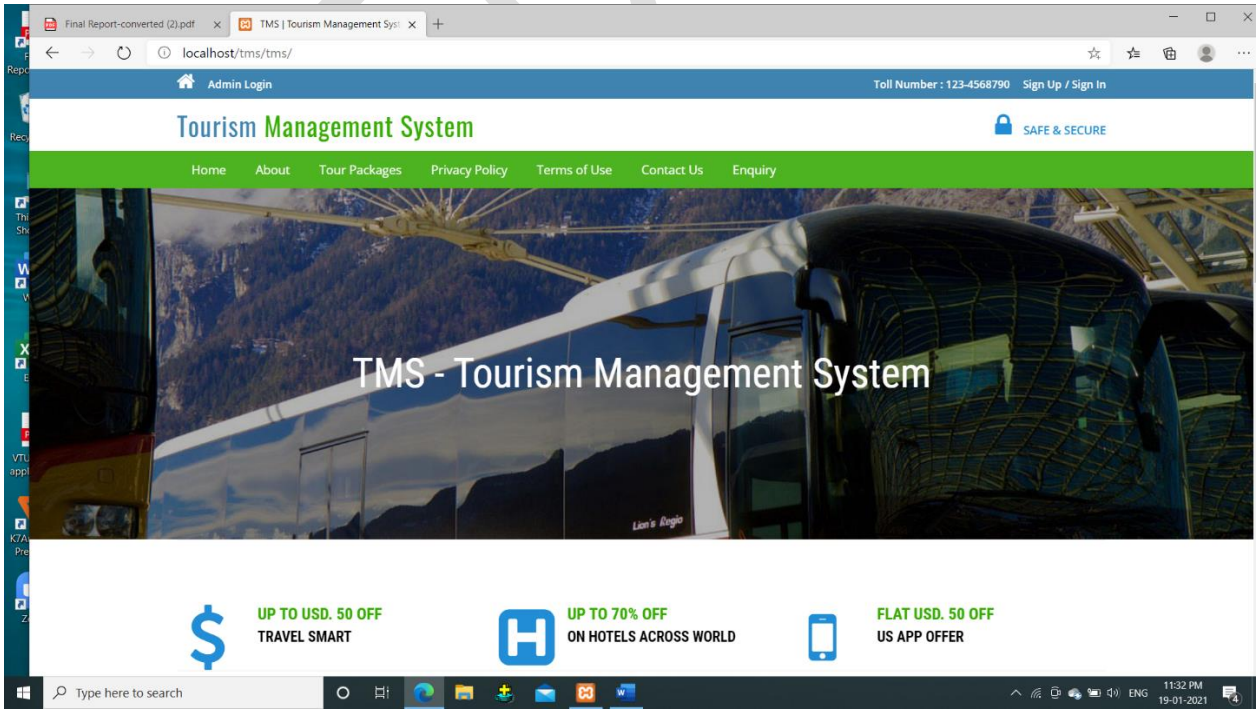


SIGNUP : -

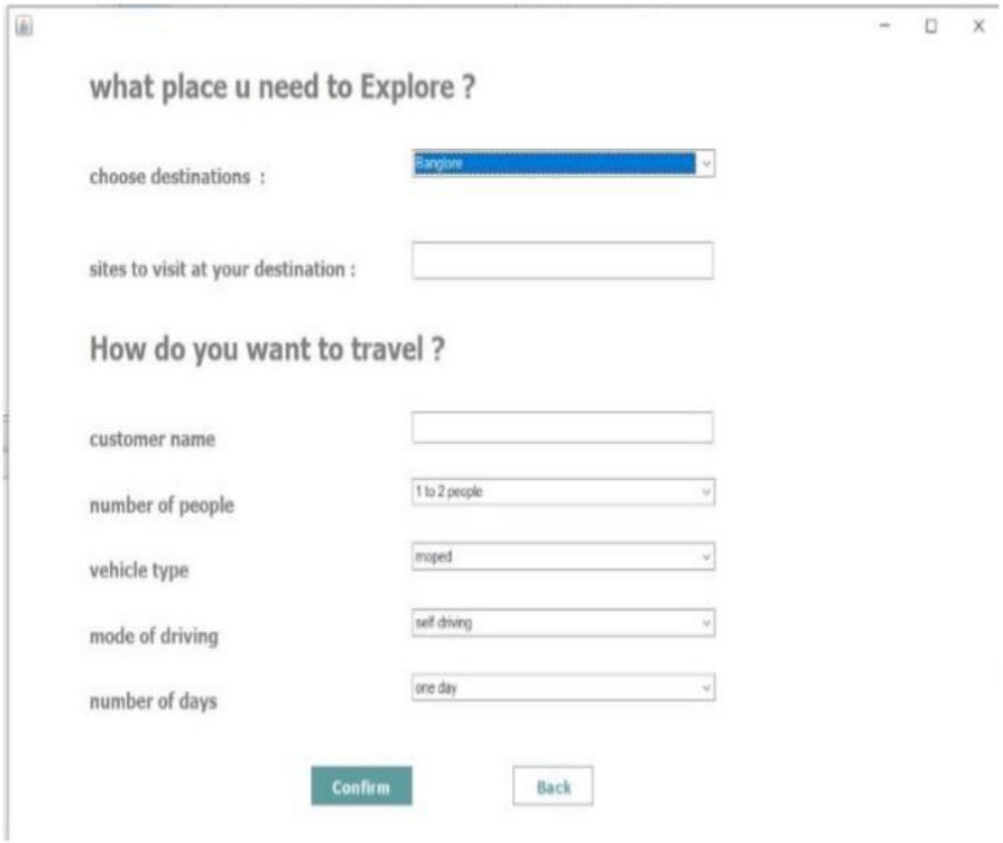


LOGIN:-

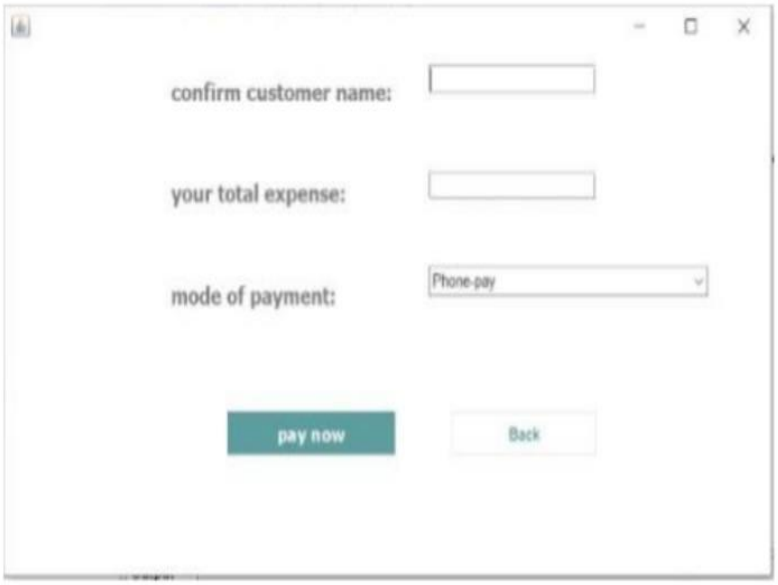
HOME PAGE:-



BOOKING : -



BILLING : -



CONCLUSION

Thus, we have successfully implemented retail database management which helps us in centralizing the data used for managing the tasks performed in an online travel and tourism. We have successfully implemented various functionalities of MYSQL and JAVA and created the fully functional database management system for online travel and tourism.

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