

A Project Report on
“TRAVEL MANAGEMENT SYSTEM”

*Submitted in partial fulfilment
for the award of the Degree in*

BACHELOR OF COMPUTER APPLICATION

By

“SHWETA KUMARI SINGH”

AJU/190159/BCA/014

**Under the guidance of
MRS. SWETA KUMARI BARNWAL**



ARKA JAIN UNIVERSITY

JAMSHEDPUR, JHARKHAND

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

2019-22



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CERTIFICATE

This is to certify that the project entitled "TRAVEL MANAGEMENT SYSTEM", is bona-fide work of **SHWETA KUMARI SINGH** bearing Registration Number: **AJU/190159** submitted in partial fulfillment of the requirement for the award of degree in **BACHELOR OF COMPUTER APPLICATION** from **ARKA JAIN UNIVERSITY, JHARKHAND**.

Shweta

Internal Guide

Arunal Pady
Head of the Department

Date: 28/5/22



University Seal

ABSTRACT

Travel Management System is an end-to-end complete software solution which helps the end user or travel agent to manage service providers, bookings, pricing, tracking, analyzing the inventory etc. This travel Management system may include all the travel branches like hotel, car, bus, rail, air, individual, or group tourist package. It is very important to understand effectively the features of TMS. As we are travelling internationally or domestically. Below we some safe and economically affordable features which need to be implemented by those who are developing these software solutions.

It provides user friendly booking options. Every business is dependent on its user experience. As far as the travel industry is concerned, if a user faces any difficulties in booking their rides, accommodation, etc. they will approach other TMS. To avoid losing business or customers, building a user-friendly booking tool is most important. It provides tracking of bills and trips. This is the time where the work of a travel agency starts, providing feasible services like booking, billing, check-in, check out, tracking of their customers is also equally important. As we know for everyone transportation matters the most so in that context if Any user who is availing the air, hotel services, may expect the transportation should be available on a single platform on which they can book their pre-post air transportation like car, bus, or train.

Many TMS can think of extending their services in cars, buses, rail. So, after having all your packages booked, the payment facility should be there to provide an ease to the user so keeping that in mind as in We can expect easy and upgraded payment options other than cash from TMS while traveling like QR codes, UPI IDs, online banking, debit or credit cards. To avoid repetitive approaches to fill forms or user information, it is important to have a feature of auto-saving user's data such as personal information, PNR details, travel history, etc. Giving comfortable service can be achieved by being in touch with a customer every now and then. Also being in touch will be beneficial for marketing future packages. So being in touch with the traveler during the journey matters the most. So, we should keep that in context and further move on to as Reporting features to admin. By default, Admin users of any system have more responsibilities than other users, the admin has to generate different kinds of reports related to existing /spent inventories.

Arrival and departure history reports, out of policy providers reports, etc. There is a customer support too as If a customer has any issues related to any bookings or reservations or during travel or after travel, customer care support comes in the picture here. The travel companies or agencies should provide strong, polite, and supportive services to their customers so that the customers are satisfied with the services provided and the company is happy with the customers' feedback in order to grow their business.

The business of the travel industry totally depends on festivals, holidays, and different packages. There are a few days where these travel solutions may face huge traffic, so every travel agency should have a robust system to handle the traffic. So here you will not get any issues to face for and could book further with an ease.

Any user who wishes to travel somewhere or buy something, he needs a pocket-friendly available package. To attract customers, different travel agencies offer an attractive package with a lot of discounts. But marking of that package is important and that must reach to maximum people and for those agencies should plan the best broadcasting strategies. The TMS can be used by different agents and agencies and it may not require the same kind of user interface/management for all the agents as they are nor serving the same types of services. So, it will be easy for agents and agencies if TMS provides classified storage and operational options for all. If any Travel organization implements all the features listed above in their software solutions, it can help end-users to experience a better travel management system. There is always a scope of improvement, so we can make changes to our traditional way of managing travel services and give users a user-friendly solution.

ACKNOWLEDGEMENT

I would like to express my sincere gratitude to several individuals and organization for supporting me throughout the completion of my project.

First, I wish to express my sincere gratitude to my mentor Mrs. Sweta Kumari Barnwal for her enthusiasm patience, insightful comments, helpful information, practical advices and unceasing ideas that have helped me tremendously at all times in my Project and writing of this thesis. her immense knowledge, profound experience and professional expertise in Backend has enabled me to complete this project successfully. Without her support and guidance, this project would not have been possible.

I am also thankful to our respected H.O.D and all faculty members for loving inspiration and timely guidance. I also wish to express my sincere thanks to the Department of Computer science & Information technology of ARKA JAIN UNIVERSITY for accepting this project.

Thanks for all your encouragement!



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Date: 09-05-2022

PROJECT INTERNSHIP LETTER

TO WHOM IT MAY CONCERN

This is to certify that Ms. **Shweta Kumari Singh**, a student of ARKA JAIN University, Jharkhand, Jamshedpur has successfully completed her Project Internship/Training (Virtual) with our organization as a **Full Stack Web Developer** during the period of March 2022 to April 2022.

The topic of the project was:

“Travel Management System”

The Frontend and backend used for project development was Java Swing, Java AWT, MySQL.

During this period of internship/training, she was found to be honest, creative & able to perform all her duties perfectly on the project.

We wish her all the best in all her future accomplishments.

For ULTRAINFO TECHNOLOGIES



(Authorized Signatory)

Address: Rourkela, Odisha, India

Website: itdeveloper.in

E-mail: info@itdeveloper.in

DECLARATION

We hereby declare that the Project entitled “**TRAVEL MANAGEMENT SYSTEM**” done at ARKA JAIN UNIVERSITY has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

This project is done in partial fulfilment of the requirement for the award of degree of BACHELOR OF COMPUTER APPLICATION to be submitted as final semester project as part of our curriculum.



Signature

Shweta Kumari Singh

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Chapter 1

Introduction

On day-to-day basis we understand that how complicated for service providers to deal with variety of challenges comes in travel industry

Online Travel Management System which has comprehensive Travel Management System with user-friendly, feature-enriched, and flexible platform Travel Management Software is designed to help travel agent, tour operator, Destination Management Company and travel agency to respond effectively to their customers' requisites.

Integration with online booking technology, Online Travel Management Software is complete travel software solution deliver end-to-end solutions for Travel Reservation, Hotel Reservation, Operations, Back-Office, contracts, and distribution system.

Incorporated with highly advanced intelligence tools means Travel Management Software (TMS) will enable you to gain a better understanding of your customers' needs that alternatively help you to contrive and conceptualize promotional campaigns according to their requirements.

The main benefit of Travel Itinerary Creation Software is it centralize all travel data of hotel, flight, tour, transfer in one place and create customized travel itinerary to help travel agent and customers plan their travel in a better way.

Objective

Travel Reservation Software is online Travel Booking Software that configures travel data for hotels, flights, package, tour, and car-rental services in Travel Reservation System to provide flights, hotels, tour booking for customers Global policies for nightly hotel rates.

- Nightly hotel rate by city
- Customizable approval workflows
- Global policies for maximum domestic and international flight cost
- Maximum flight cost for specific routes
- Minimum number of days required for advanced booking
- Global maximum train cost

- Maximum train cost for certain routes
- Support included at no additional cost
- Consolidated invoicing
- Review the status of all trips in one place
- Easy booking, including self-booking for travelers
- Saving in-progress bookings and collaborating
- Save traveler information
- Mobile app for travelers on the go

Purpose & Scope

Purpose

- An all-inclusive travel management application
- Built on an advanced and scalable technology
- Flexible and easy to use
- Easy to customize as per clients' need.

Scope

- Efficient client management featuring the complete details of clients' queries
- Sophisticated documentation system with automated billing, receipts and vouchers
- Management of highly intricate mark-up modules across a variety of channels
- Highly secured back-office system
- Helps to establish brand loyalty

Chapter 2

System Analysis

As far as the project is developed the functionality is simple, the objective of the proposal is to strengthen the functioning of Audit Status Monitoring and make them effective and better. The entire scope has been classified into five streams known as Coordinator Level, management Level, Auditor Level, User Level and State Web Coordinator Level. The proposed software will cover the information needs with respect to each request of the user group viz. accepting the request, providing vulnerability document report and the current status of the audit.

Existing System

In the existing system, each task is carried out manually and processing is also a tedious job. In previous system travelers were maintaining time table details manually in pen and paper, which was time taking and costly. The travelers are not able to achieve their need in time and also the results may not be accurate. Because of the manual maintenance there are a number of difficulties and drawbacks exist in the system. Some of them are

Drawbacks of the Existing System:

- Increased transaction leads to increased source document and hence maintenance becomes difficult.
- If any admin, user entry is wrongly made then the maintenance becomes very difficult.

Proposed System

- **Administration** - Administration is the chief of the Voyage Management. He can have all the privileges to do anything in this system. Administrator can register new employees, departments into the system. Admin can keep track team employees and their performance.
- **Company Employees** - Employees are working for the company in this country or outsource to other country. Whenever an employee wants to go for outsourcing, he needs to provide his complete documents like education qualifications, passport, identification details etc.

- **Travelling** - While going to the other countries the system provides the complete information of mode of travelling also. The major part goes to flight information, which country he is going, is there any direct flight is there, ticket conformed or not, executive or economy class, and seat details. After that the system provide vehicle from airport to his accommodation hotel room also.

Requirement Analysis

Hardware Requirements:

- PIV 2.8 GHz Processor and Above
- RAM 512MB and Above
- HDD 40 GB Hard Disk Space and Above

Software Requirements:

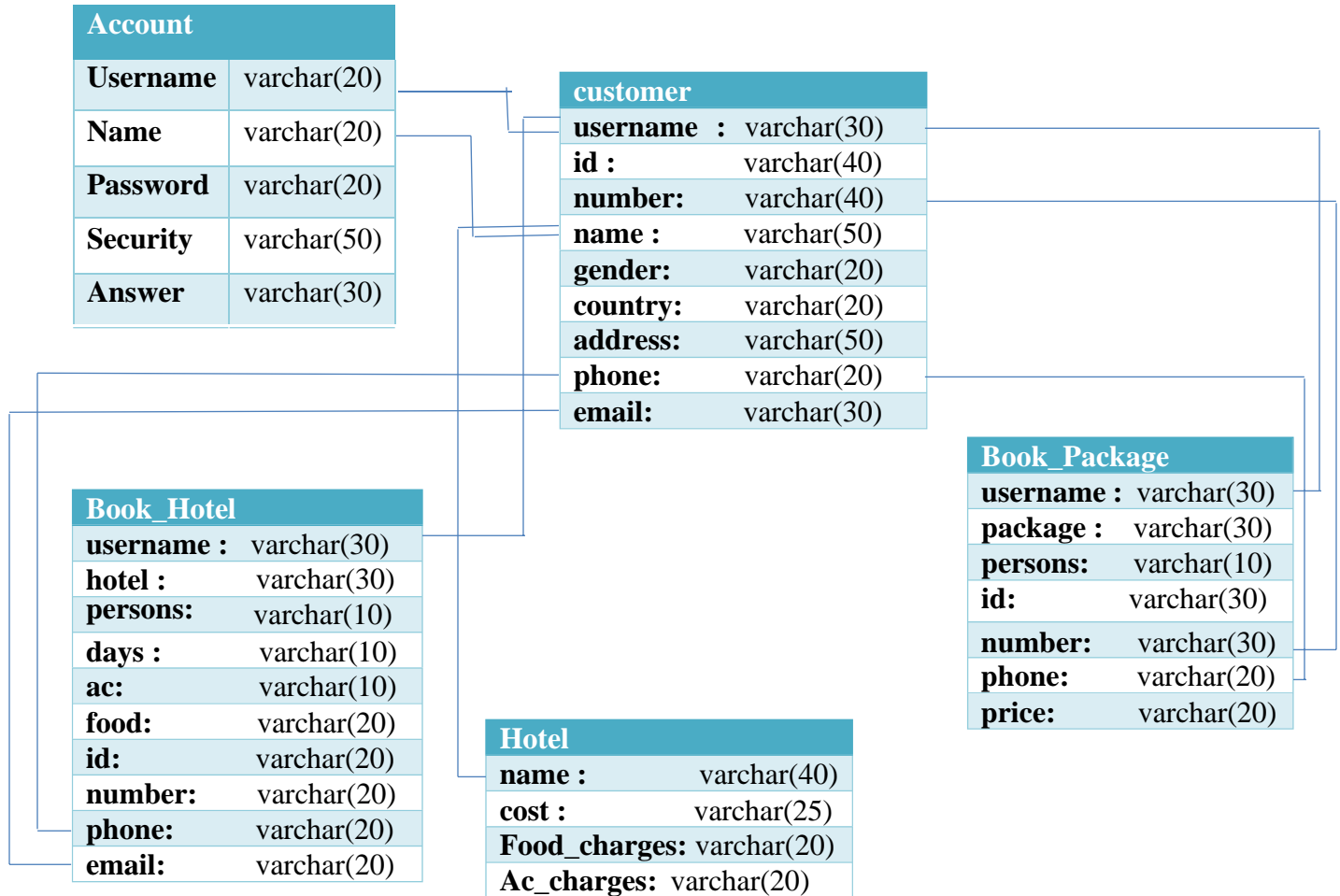
- WINDOWS OS (XP / 2000 / 200 Server / 2003 Server)
- Internet Information Server 5.0 (IIS)
- My SQL 5.5 Command Line Client
- Apache NetBeans IDE 8.2

Justification of Selection of Technology

The increasing size and complexity of product assortments offered by e-commerce plat-forms requires appropriate technologies which alleviate the retrieval of products by online customers. Different recommendation technologies have been developed to help customers to easily find the best matching product. Nearly half of all travelers (48 percent) now believe augmented or virtual reality experiences would help them better plan their trips. Demand is greatest among Gen Y (61 percent) travelers, though still significant among all other age categories. Those technologies have been success-fully applied in different domains such as financial services, electronic goods Travelers are consumers too and they want an experience from travel providers and travel agents that is as simple and engaging as the best retailers,” Fiona Shanley, Travelport’s chief customer officer/CMO said in a statement. “Travelport’s latest global research shows that technology is key to this—from serving relevant and personalized offers to providing attractive propositions from trusted sources. With increasing adoption of emerging technologies and use of new industry standards, this is precisely where the industry is heading.

Database Normalization

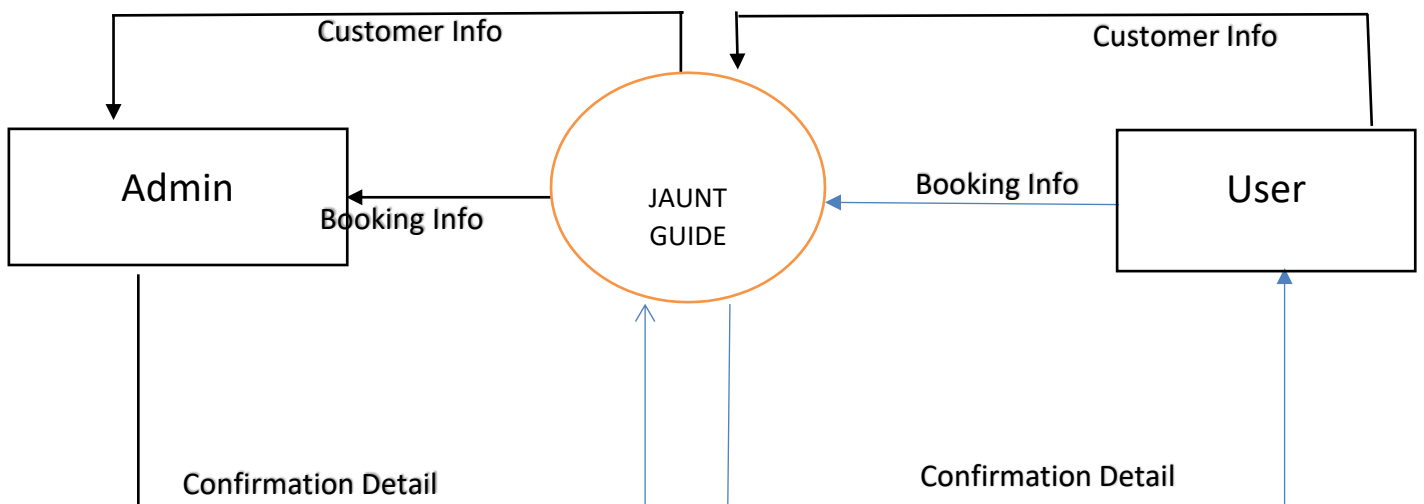
Normalization is a database design technique that reduces data redundancy and eliminates undesirable characteristics like insertion, update and Deletion Anomalies. Normalization rule divides larger tables into smaller tables and link them using relationships. The purpose of Normalization in SQL is to eliminate redundant (repetitive) data and ensure data is stored logically.



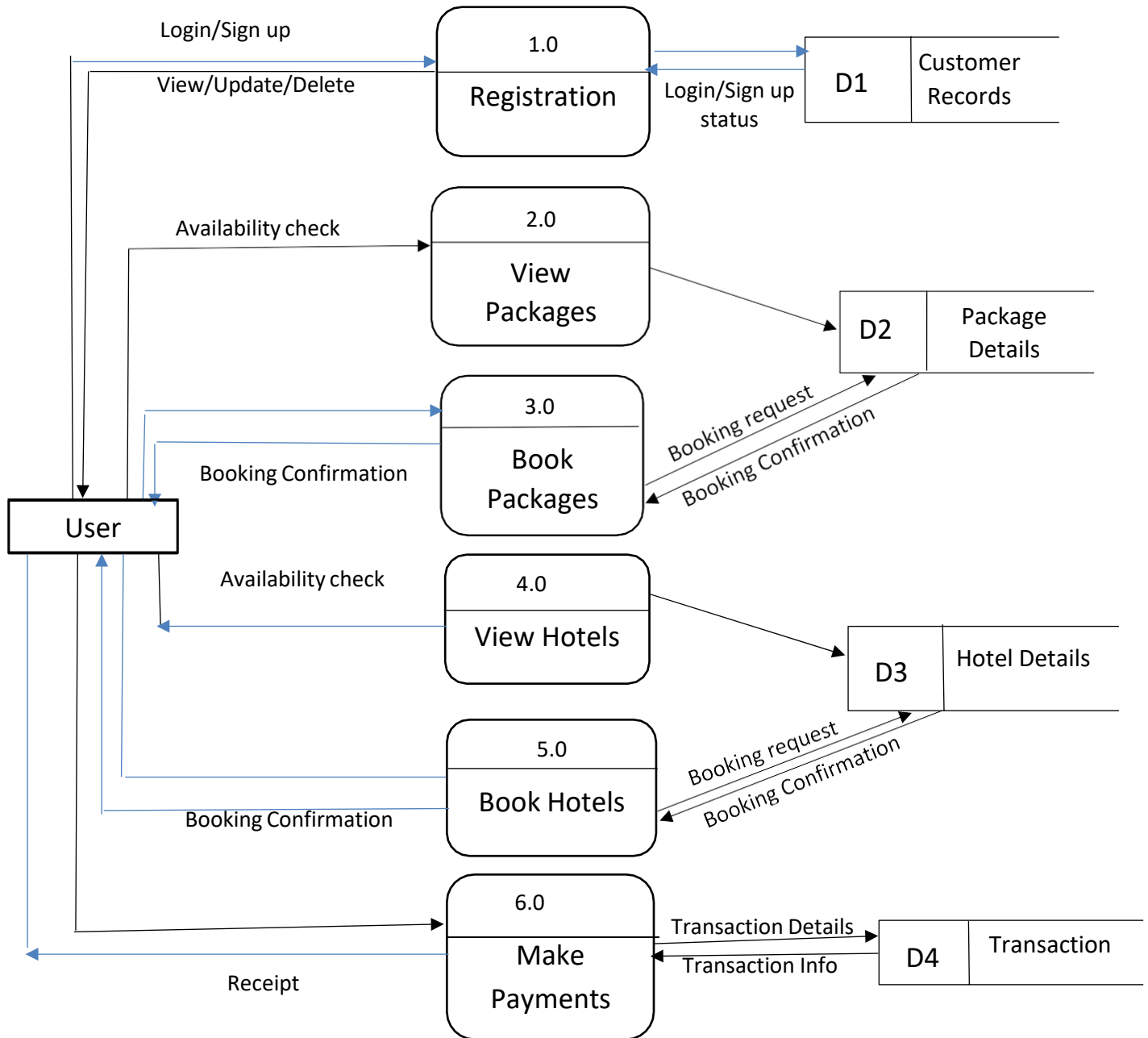
Data Flow Diagram (DFD)

A data flow diagram is graphical tool used to describe and analyze movement of data through a system. These are the central tool and the basis from which the other components are developed. The transformation of data from input to output, through processed, may be described logically and independently of physical components associated with the system. These are known as the logical data flow diagrams. The physical data flow diagrams show the actual implements and movement of data between people, departments and workstations.

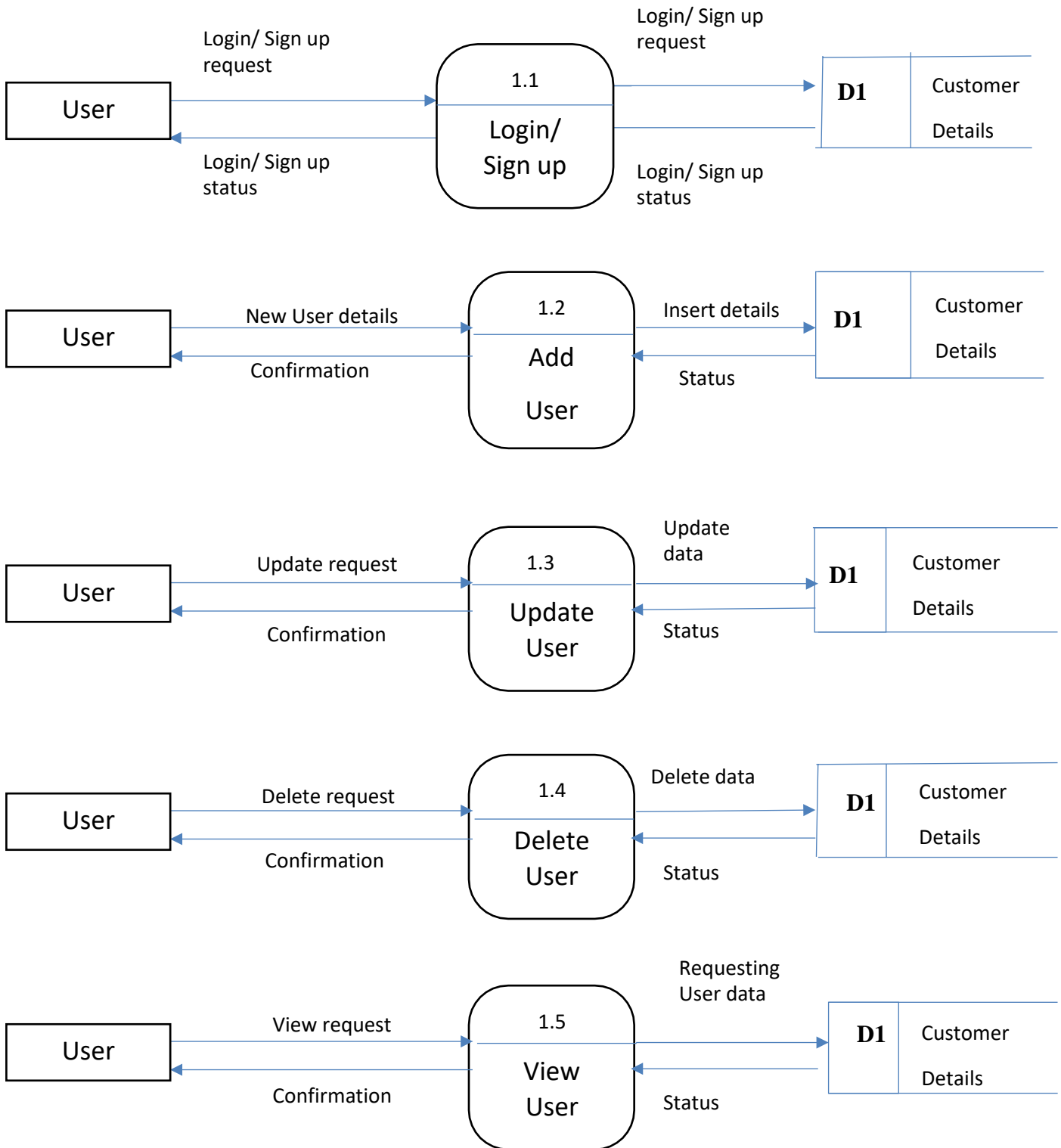
DFD Level 0



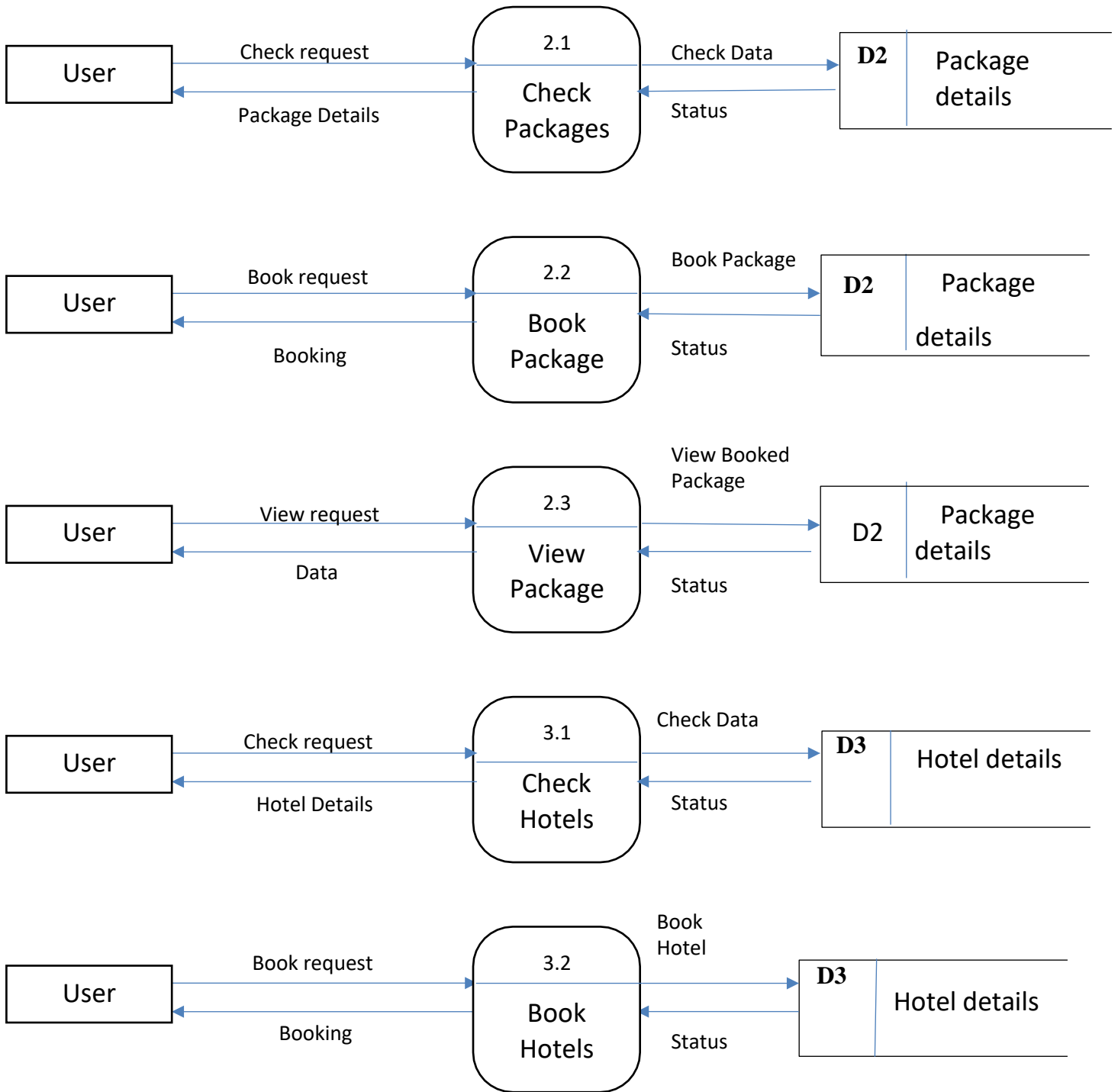
DFD Level 1



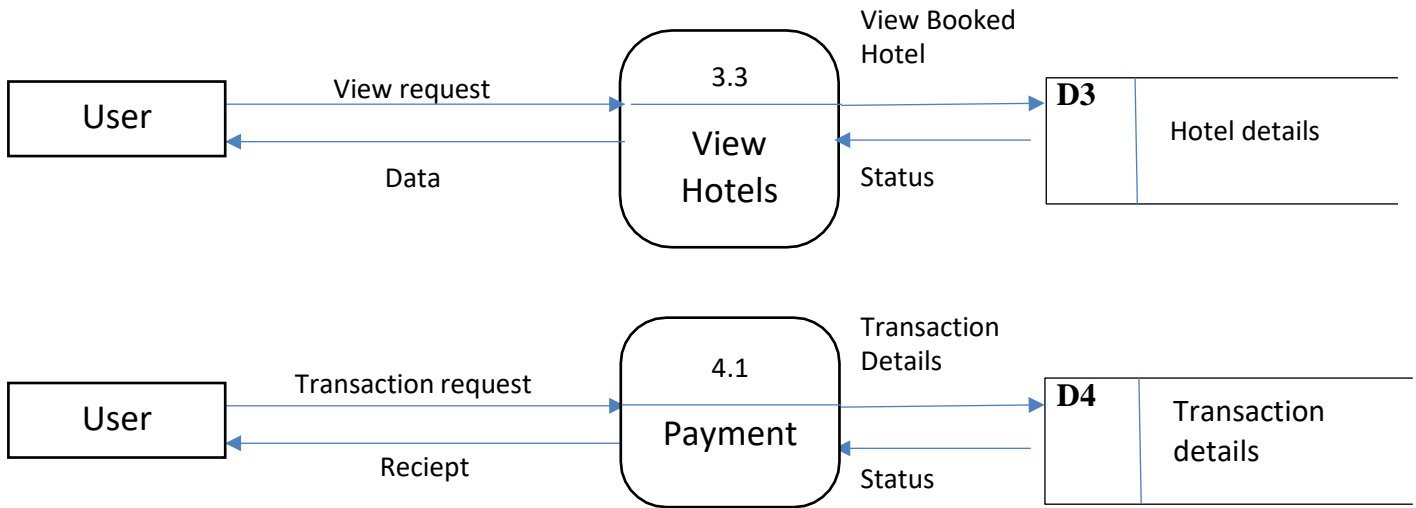
DFD Level 2



DFD Level 2 Continued:



DFD Level 2 Continued:



Chapter 3

System Design

Module Division

The module division contains the following things:

- Login Page: The login page contains the username and the password.
- Sign up Page: If the user is new to the application, sign up page will open for them.
- Forget Password: After sign up, suppose you forget your password that get, password recovery page will open.
- Loading frame: After Sign in, a loading frame will pop-up on the screen.
- Dashboard: Main frame of the Project will open – It is basically the dashboard from where the whole project will be processed.
- Add Customer Details: The customer details will be asked if we want to update the details of the customer who can got through update person details.
- Delete Person Details: This will be used in order to delete the personal details of the customer.
- Packages: Check packages will provide the package details of how many days and nights are there, price of the package. Book Package is there for booking the packages. A frame will be there. View Package will provide the details of the package that will have booked.
- Hotel: View Hotel will show the various hotel that you can book to stay there during hour vacation. Book hotels will book hotels for you. View Booked Hotels will provide to view the details of the hotel at view booked.
- Payment: There will be a payment gateway in order to make the payment of the Booking.

Data Dictionary

A Data Dictionary is a collection of names, definitions, and attributes about data elements that are being used or captured in a database, information system, or part of a research project. Data dictionary, or metadata repository, as defined in the IBM Dictionary of Computing, is a "centralized repository of information about data such as meaning, relationships to other data, origin, usage, and format". Oracle defines it as a collection of tables with metadata.

Tables:

Account table:

Field_Name	Data_Type	Field_length	Constraints	Description
username	Varchar	20	not null	Name of the user for travel account.
Name	Varchar	20	not null	Name of the user
password	Varchar	20	not null	Password of the user
security	Varchar	50	not null	Security question for password security
answer	Varchar	30	not null	Answer for password recovery

Bookhotel table:

Field_Name	Data_Type	Field_length	Constraints	Description
username	Varchar	30	not null	Name of the user for TMS.
Hotel	Varchar	30	not null	Name of the hotel
persons	Int	10	not null	No of persons staying
Days	Int	10	not null	No of days for staying
Ac	Varchar	10	not null	Requirement of AC
Food	Varchar	20	not null	Requirement of food
Id	Varchar	20	not null	Id for user's identity
number	Varchar	20	primary key	Id number of user's identity
Phone	Varchar	20	not null	Phone number of user
Cost	Varchar	20	not null	Hotel's cost

Bookpackage table:

Field_Name	Data_Type	Field_length	Constraints	Description
username	Varchar	30	not null	Name of the user for TMS
package	Varchar	30	not null	Package to be selected
persons	Varchar	10	not null	no of persons travelling
Id	Varchar	30	not null	Id for user's identity
number	Varchar	30	not null	Id number of user's identity
Phone	Varchar	20	not null	Phone number of user
Price	Varchar	20	not null	Price of the package.

customer table:

Field_Name	Data_Type	Field_length	Constraints	Description
username	Varchar	30	not null	Name of the user for TMS
Id	Varchar	40	not null	Id for user's identity
number	Varchar	40	Primary key	Id number of user's identity
Name	Varchar	50	not null	Name of the user
gender	Varchar	20	not null	Female or male
country	Varchar	20	not null	Country of the user
address	Varchar	50	not null	Address of the user
Phone	Varchar	20	not null	Phone number of the user
Email	Varchar	30	not null	Email id of the user

Hotel table:

Field_Name	Data_Type	Field_length	Constraints	Description
Name	Varchar	40	not null	Name of the user
Cost	Varchar	25	not null	Cost of the hotel
food_charges	Varchar	20	not null	Food charges taken by hotel
ac_charges	Varchar	20	not null	AC charges taken by hotel

Snapshots of Database:

Account & Bookhotel table:

```
MySQL 5.5 Command Line Client
| bookpackage |
| customer    |
| hotel       |
+-----+
5 rows in set (0.01 sec)

mysql> show table account;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version
for the right syntax to use near 'account' at line 1
mysql> select *from account;
+-----+-----+-----+-----+-----+
| username | name          | password | security | answer |
+-----+-----+-----+-----+-----+
| muskii   | Shweta Singh | shweta123 | Your Nickname | Mistu |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select *from bookhotel;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| username | hotel          | persons | days | ac | food | id          | number          | phone          | cost          |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| muskii   | JW Marriot Hotel | 4       | 7   | Yes | Yes  | Aadhar Card | 8709278548234 | 8709278548    | 210000       |
| muskii   | The Taj         | 5       | 4   | Yes | Yes  | Aadhar Card | 8709278548234 | 8709278548    | 174000       |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Bookpackage & customer table:

```
MySQL 5.5 Command Line Client
+-----+-----+-----+-----+-----+-----+-----+
| muskii | JW Marriot Hotel | 4 | 7 | Yes | Yes | Aadhar Card | 8709278548234 | 8709278548 | 210000 |
| muskii | The Taj | 5 | 4 | Yes | Yes | Aadhar Card | 8709278548234 | 8709278548 | 174000 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select *from bookpackage;
+-----+-----+-----+-----+-----+-----+-----+
| username | package | persons | id | number | phone | price |
+-----+-----+-----+-----+-----+-----+-----+
| SwetaBarnwal | Rajasthan Tour | 5 | Passport | 12345 | 9334113369 | Rs 102250 |
| muskii | Uttrakhand Tour | 2 | Aadhar Card | 503311191201 | 9334113369 | Rs 71240 |
| muskii | Rajasthan Tour | 4 | Aadhar Card | 8709278548234 | 8709278548 | Rs 81800 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> select *from customer;
+-----+-----+-----+-----+-----+-----+-----+
| username | id | number | name | gender | country | address | phone | email |
+-----+-----+-----+-----+-----+-----+-----+
| muskii | Aadhar Card | 8709278548234 | Shweta Singh | Female | India | Jamshedpur,kadma | 8709278548 | uniksonali1123@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

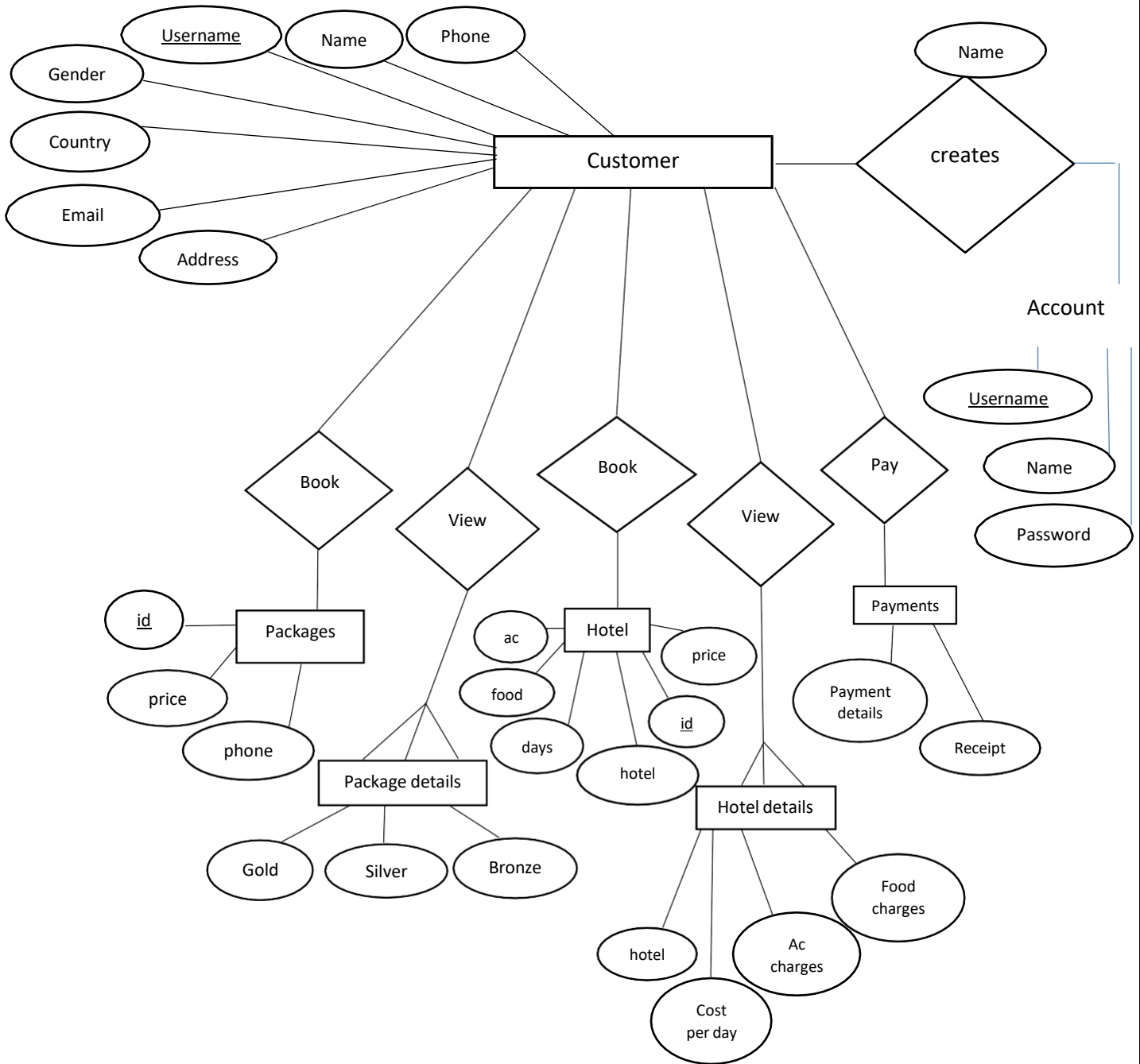
Hotel table:

```
MySQL 5.5 Command Line Client
+-----+-----+-----+-----+-----+-----+-----+
| username | id | number | name | gender | country | address | phone | email |
+-----+-----+-----+-----+-----+-----+-----+
| muskii | Aadhar Card | 8709278548234 | Shweta Singh | Female | India | Jamshedpur,kadma | 8709278548 | uniksonali1123@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select *from hotel;
+-----+-----+-----+-----+
| name | cost | food_charges | ac_charges |
+-----+-----+-----+-----+
| The Taj | 2500 | 2200 | 4000 |
| JW Marriot Hotel | 2000 | 2500 | 3000 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

ER Diagram

The relation upon the system is structure through a conceptual ER-Diagram, which not only specifics the existential entities but also the standard relations through which the system exists and the cardinalities that are necessary for the system state to continue.



Chapter 4

CODING

BOOK HOTEL

```
package travel.management.system;

import java.awt.*;
import javax.swing.*;
import java.sql.*;
import java.awt.event.*;

public class BookHotel extends JFrame implements ActionListener{

    Choice c1,c2,c3;
    JTextField t1,t2;
    JLabel l21,l22,l23,l24,l25;
    JButton b1,b2,b3;

    BookHotel(String username){
        setBounds(340,180,800,500);
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);

        JLabel l1=new JLabel("BOOK HOTEL");
        l1.setFont(new Font("MV Boli", Font.BOLD,24));
        l1.setForeground(Color.RED);
```

```
l1.setBounds(100, 0, 300, 30);
add(l1);
JLabel l91=new JLabel("BOOK HOTEL");
l91.setFont(new Font("MV Boli", Font.BOLD,24));
l91.setForeground(Color.BLACK);
l91.setBounds(102, 1, 310, 30);
add(l91);

JLabel l2=new JLabel("Username:");
l2.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l2.setBounds(20, 60, 150, 30);
add(l2);

l21=new JLabel();
l21.setFont(new Font("MV Boli", Font.BOLD,16));
l21.setBounds(250, 60, 150, 30);
add(l21);

JLabel l3=new JLabel("Select Hotel");
l3.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l3.setBounds(20, 90, 150, 30);
add(l3);

c1 = new Choice();
try{
    Conn c=new Conn();
    ResultSet rs = c.s.executeQuery("select *from hotel");
    while(rs.next()){
```

```
        c1.add(rs.getString("name"));
    }
} catch (Exception e) {}
c1.setBounds(250, 100, 130, 30);
add(c1);

JLabel l4=new JLabel("Total Persons:");
l4.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l4.setBounds(20, 130, 150, 30);
add(l4);

t1=new JTextField();
t1.setBounds(250,130,130,25);
add(t1);

JLabel l5=new JLabel("No of Days:");
l5.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l5.setBounds(20, 160, 150, 30);
add(l5);

t2=new JTextField();
t2.setBounds(250,160,130,25);
add(t2);

JLabel l6=new JLabel("AC/Non-AC");
l6.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l6.setBounds(20, 190, 150, 30);
add(l6);
```

```
c2 = new Choice();
c2.add("Yes");
c2.add("No");
c2.setBounds(250, 190, 130, 30);
add(c2);
```

```
JLabel l7=new JLabel("Food Included");
l7.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l7.setBounds(20, 220, 150, 30);
add(l7);
```

```
c3 = new Choice();
c3.add("Yes");
c3.add("No");
c3.setBounds(250, 220, 130, 30);
add(c3);
```

```
JLabel l8=new JLabel("ID:");
l8.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l8.setBounds(20, 250, 150, 30);
add(l8);
```

```
l22=new JLabel();
l22.setFont(new Font("MV Boli", Font.BOLD,16));
l22.setBounds(250, 250, 150, 30);
add(l22);
```

```
JLabel l9=new JLabel("Number:");
```

```
l9.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l9.setBounds(20, 280, 150, 30);
add(l9);
```

```
l23=new JLabel();
l23.setFont(new Font("MV Boli", Font.BOLD,16));
l23.setBounds(250, 280, 150, 30);
add(l23);
```

```
JLabel l10=new JLabel("Phone:");
l10.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l10.setBounds(20, 310, 150, 30);
add(l10);
```

```
l24=new JLabel();
l24.setFont(new Font("MV Boli", Font.BOLD,16));
l24.setBounds(250, 310, 150, 30);
add(l24);
```

```
JLabel l11=new JLabel("Total Price:");
l11.setFont(new Font("Monotype Corsiva", Font.BOLD,16));
l11.setBounds(20, 340, 150, 30);
add(l11);
```

```
l25=new JLabel();
l25.setFont(new Font("MV Boli", Font.BOLD,16));
l25.setForeground(Color.red);
l25.setBounds(250, 340, 150, 30);
```



```

add(l25);

try{
    Conn c=new Conn();
    ResultSet rs =c.s.executeQuery("select *from customer where username =
"+username+"");
    while(rs.next()){
        l21.setText(rs.getString("username"));
        l22.setText(rs.getString("id"));
        l23.setText(rs.getString("number"));
        l24.setText(rs.getString("phone"));
    }
}catch(Exception e){}

b1=new JButton("Check Price");
b1.setBackground(Color.BLUE);
b1.setForeground(Color.WHITE);
b1.setBounds(50,380,120,30);
b1.addActionListener(this);
b1.setFont(new Font("Gabriola", Font.BOLD, 18));
add(b1);

b2=new JButton("Book");
b2.setBackground(Color.BLUE);
b2.setForeground(Color.WHITE);
b2.setBounds(190,380,120,30);
b2.addActionListener(this);
b2.setFont(new Font("Gabriola", Font.BOLD, 18));
add(b2);

```

```
b3=new JButton("Back");
b3.setBackground(Color.BLUE);
b3.setForeground(Color.WHITE);
b3.setBounds(330,380,120,30);
b3.addActionListener(this);
b3.setFont(new Font("Gabriola", Font.BOLD, 18));
add(b3);
```

```
    ImageIcon i1=new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/book.jpg"));
    Image i2=i1.getImage().getScaledInstance(600, 200, Image.SCALE_DEFAULT);
    ImageIcon i3=new ImageIcon(i2);
    JLabel l12=new JLabel(i3);
    l12.setBounds(420,150,600,200);
    add(l12);
}
```

```
public void actionPerformed(ActionEvent ae){
    if(ae.getSource() ==b1){
        try{
            Conn c=new Conn();
            ResultSet rs =c.s.executeQuery("select * from hotel where name
            ="+c1.getSelectedItem()+"");
            while(rs.next()){
                int cost=Integer.parseInt(rs.getString("cost"));
                int food=Integer.parseInt(rs.getString("food_charges"));
                int ac=Integer.parseInt(rs.getString("ac_charges"));
```



```

        }catch(Exception e){}
    }else if(ae.getSource() ==b3){
        this.setVisible(false);
    }
}

public static void main(String[] args){
    new BookHotel("").setVisible(true);
}
}

```

Cancellaton

```

package travel.management.system;

import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;

public class Cancellation extends JFrame implements ActionListener {

    JButton b1 ,b2,b3,b4;
    String username;
    Cancellation(String user){

        this.username=user;
        setBounds(300,150,800,430);
    }
}

```

```
setLayout(null);
getContentPane().setBackground(Color.WHITE);
```

```
JLabel head =new JLabel("Delete All The Details");
head.setFont(new Font("MV Boli",Font.BOLD,30));
head.setBounds(100, 10, 400, 40);
head.setForeground(Color.BLUE);
add(head);
```

```
JLabel l1 = new JLabel("Username :");
l1.setBounds(30, 70, 150,30 );
l1.setFont(new Font("Monotype Corsiva",Font.BOLD,18));
add(l1);
```

```
JLabel l11 = new JLabel();
l11.setBounds(210, 70, 150,30 );
l11.setFont(new Font("Monotype Corsiva",Font.BOLD,18));
```

Add customer

```
package travel.management.system;
```

```
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;
import java.sql.*;
```

```
public class AddCustomer extends JFrame implements ActionListener{
    JTextField t1,t2,t3,t4,t5,t6,t7;
```

```
JComboBox cb1;
JRadioButton r1,r2;
JButton b1,b2;
AddCustomer(String username){
    setBounds(340,150,800,520);
    getContentPane().setBackground(Color.WHITE);
    setLayout(null);

    JLabel l1=new JLabel("Username :");
    l1.setBounds(30,50,100,25);
    l1.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
    add(l1);

    t1=new JTextField();
    t1.setBounds(220,50,150,25);
    add(t1);

    JLabel l2=new JLabel("ID :");
    l2.setBounds(30,90,100,25);
    l2.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
    add(l2);

    cb1=new JComboBox(new String[] { "Passport", "Aadhar Card", "Pan Card", "Ration
Card" });
    cb1.setBounds(220, 90, 150, 25);
    cb1.setFont(new Font("Monotype Corsiva",Font.BOLD,15));
    add(cb1);

    JLabel l3=new JLabel("Number :");
```

```
l3.setBounds(30,130,100,25);  
l3.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l3);
```

```
t2=new JTextField();  
t2.setBounds(220,130,150,25);  
add(t2);
```

```
JLabel l4=new JLabel("Name :");  
l4.setBounds(30,170,100,25);  
l4.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l4);
```

```
t3=new JTextField();  
t3.setBounds(220,170,150,25);  
add(t3);
```

```
JLabel l5=new JLabel("Gender :");  
l5.setBounds(30,210,100,25);  
l5.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l5);
```

```
r1=new JRadioButton("Male");  
r1.setBackground(Color.WHITE);  
r1.setBounds(220,210,60,25);  
r1.setFont(new Font("Monotype Corsiva",Font.BOLD,15));  
add(r1);
```

```
r2=new JRadioButton("Female");  
r2.setBackground(Color.WHITE);  
r2.setBounds(280,210,90,25);  
r2.setFont(new Font("Monotype Corsiva",Font.BOLD,15));  
add(r2);
```

```
JLabel l6=new JLabel("Country :");  
l6.setBounds(30,250,100,25);  
l6.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l6);
```

```
t4=new JTextField();  
t4.setBounds(220,250,150,25);  
add(t4);
```

```
JLabel l7=new JLabel("Address :");  
l7.setBounds(30,290,100,25);  
l7.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l7);
```

```
t5=new JTextField();  
t5.setBounds(220,290,150,25);  
add(t5);
```

```
JLabel l8=new JLabel("Phone No :");  
l8.setBounds(30,330,100,25);  
l8.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l8);
```



```
t6=new JTextField();  
t6.setBounds(220,330,150,25);  
add(t6);
```

```
JLabel l9=new JLabel("Email :");  
l9.setBounds(30,370,100,25);  
l9.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l9);
```

```
t7=new JTextField();  
t7.setBounds(220,370,150,25);  
add(t7);
```

```
b1=new JButton ("Add");  
b1.setBackground(Color.BLACK);  
b1.setForeground(Color.WHITE);  
b1.setBounds(70,430,100,25);  
b1.addActionListener(this);  
b1.setFont(new Font("Gabriola",Font.BOLD,20));  
add(b1);
```

```
b2=new JButton ("Back");  
b2.setBackground(Color.BLACK);  
b2.setForeground(Color.WHITE);  
b2.setBounds(220,430,100,25);  
b2.addActionListener(this);  
b2.setFont(new Font("Gabriola",Font.BOLD,20));
```

```

add(b2);

    ImageIcon i1=new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/newcustomer.jpg
"));
    Image i2=i1.getImage().getScaledInstance(650, 480, Image.SCALE_DEFAULT);
    ImageIcon i3=new ImageIcon(i2);
    JLabel l10=new JLabel(i3);
    l10.setBounds(250,40,650,480);
    add(l10);

    try{
        Conn c = new Conn();
        ResultSet rs= c.s.executeQuery("select * from account where username
="" +username+""");
        while(rs.next()){
            t1.setText(rs.getString("username"));
            t3.setText(rs.getString("name"));
        }

    }catch(Exception e){ }
}

public void actionPerformed(ActionEvent ae){
    if(ae.getSource()== b1){
        String username = t1.getText();
        String id = (String)cb1.getSelectedItem();
        String number = t2.getText();
        String name = t3.getText();

```

```

String radio = null;
if(r1.isSelected()){
    radio = "Male";
}else if(r2.isSelected()){
    radio = "Female";
}
String country = t4.getText();
String address = t5.getText();
String phone = t6.getText();
String email = t7.getText();

String q = "insert into customer
values("+username+", "+id+", "+number+", "+name+", "+radio+", "+country+", "+address+",
"+phone+", "+email+)";

try{
    Conn c = new Conn();
    c.s.executeUpdate(q);

    JOptionPane.showMessageDialog(null, "Customer Details Added Sucessfully");
    this.setVisible(false);
}catch(Exception e){
    e.printStackTrace();
}

}else if(ae.getSource() ==b2){
    this.setVisible(false);
}
}

```

```
public static void main(String[] args){
    new AddCustomer("").setVisible(true)

}
}
```

Check Hotels

```
package travel.management.system;
```

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.io.*;
```

```
public class CheckHotels extends JFrame implements Runnable {
```

```
    JLabel l1, l2, l3, l4, l5, l6, l7, l8, l9, l10, l11, l12, l13, l14, l15, l16, l17, l18, l19;
```

```
    JLabel caption;
```

```
    Thread th;
```

```
    public void run() {
```

```
        try {
```

```
            l2.setVisible(true);
```

```
            caption.setText("Taj Hotel");
```

```
            l2.add(caption);
```

```
            Thread.sleep(3500);
```

```
            l2.setVisible(false);
```

```
l3.setVisible(true);  
caption.setText("Anandvan Resort");  
l3.add(caption);  
Thread.sleep(3500);  
l3.setVisible(false);
```

```
l4.setVisible(true);  
caption.setText("Della Resort");  
l4.add(caption);  
Thread.sleep(3500);  
l4.setVisible(false);
```

```
l5.setVisible(true);  
caption.setText("Grand Hyatt Hotel");  
l5.add(caption);  
Thread.sleep(3500);  
l5.setVisible(false);
```

```
l6.setVisible(true);  
caption.setText("Classio Hotel");  
l6.add(caption);  
Thread.sleep(3500);  
l6.setVisible(false);
```

```
l7.setVisible(true);  
caption.setText("JW Marriott hotel");  
l7.add(caption);
```

```
Thread.sleep(3500);
17.setVisible(false);

18.setVisible(true);
caption.setText("Golden Toff Hotel");
18.add(caption);
Thread.sleep(3500);
18.setVisible(false);

19.setVisible(true);
caption.setText("Happy Mornings Hotel");
19.add(caption);
Thread.sleep(3500);
19.setVisible(false);

110.setVisible(true);
caption.setText("Moss view Hotel");
110.add(caption);
Thread.sleep(3500);
110.setVisible(false);

111.setVisible(true);
caption.setText("St Regis Hotel");
111.add(caption);
Thread.sleep(3500);
111.setVisible(false);

this.setVisible(false);
```

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

```
public CheckHotels() {
```

```
    setBounds(300, 150, 700, 500);
```

```
    setTitle("Check Hotels");
```

```
    getContentPane().setBackground(Color.BLUE);
```

```
    setLayout(null);
```

```
    th = new Thread(this);
```

```
    caption = new JLabel();
```

```
    caption.setBounds(10, 350, 400, 70);
```

```
    caption.setForeground(Color.RED);
```

```
    caption.setFont(new Font("Tahoma", Font.PLAIN, 40));
```

```
    add(caption);
```

```
    ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel1.jpg"));
```

```
    Image i2 = i1.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
```

```
    ImageIcon i3 = new ImageIcon(i2);
```

```
    l2 = new JLabel(i3);
```

```
    l2.setBounds(0, 0, 700, 500);
```

```
    add(l2);
```

```
    ImageIcon i4 = new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel2.jpg"));

    Image i5 = i4.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
    ImageIcon i6 = new ImageIcon(i5);
    l3 = new JLabel(i4);
    l3.setBounds(0, 0, 700, 500);
    add(l3);
    l3.setVisible(false);
```

```
    ImageIcon i7 = new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel3.jpg"));

    Image i8 = i7.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
    ImageIcon i9 = new ImageIcon(i8);
    l4 = new JLabel(i9);
    l4.setBounds(0, 0, 700, 500);
    add(l4);
    l4.setVisible(false);
```

```
    ImageIcon i10 = new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel4.jpg"));

    Image i11 = i10.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
    ImageIcon i12 = new ImageIcon(i11);
    l5 = new JLabel(i12);
    l5.setBounds(0, 0, 700, 500);
    add(l5);
    l5.setVisible(false);
```

```
    ImageIcon i13 = new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel5.jpg"));

    Image i14 = i13.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
```



```
ImageIcon i15 = new ImageIcon(i14);
```

```
l6 = new JLabel(i15);
```

```
l6.setBounds(0, 0, 700, 500);
```

```
add(l6);
```

```
l6.setVisible(false);
```

```
ImageIcon i16 = new  
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel6.jpg"));
```

```
Image i17 = i16.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
```

```
ImageIcon i18 = new ImageIcon(i17);
```

```
l7 = new JLabel(i18);
```

```
l7.setBounds(0, 0, 700, 500);
```

```
add(l7);
```

```
l7.setVisible(false);
```

```
ImageIcon i19 = new  
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel7.jpg"));
```

```
Image i20 = i19.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
```

```
ImageIcon i21 = new ImageIcon(i20);
```

```
l8 = new JLabel(i21);
```

```
l8.setBounds(0, 0, 700, 500);
```

```
add(l8);
```

```
l8.setVisible(false);
```

```
ImageIcon i22 = new  
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel8.jpg"));
```

```
Image i23 = i22.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
```

```
ImageIcon i24 = new ImageIcon(i23);
```

```
l9 = new JLabel(i24);
```

```
    l9.setBounds(0, 0, 700, 500);
    add(l9);
    l9.setVisible(false);

    ImageIcon i25 = new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel9.jpg"));
    Image i26 = i25.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
    ImageIcon i27 = new ImageIcon(i26);
    l10 = new JLabel(i27);
    l10.setBounds(0, 0, 700, 500);
    add(l10);
    l10.setVisible(false);

    ImageIcon i28 = new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/hotel10.jpg"));
    Image i29 = i28.getImage().getScaledInstance(700, 500, Image.SCALE_DEFAULT);
    ImageIcon i30 = new ImageIcon(i29);
    l11 = new JLabel(i30);
    l11.setBounds(0, 0, 700, 500);
    add(l11);
    l11.setVisible(false);

    th.start();

}

public static void main(String args[]) {
    new CheckHotels().setVisible(true);
}
```

```
}
```

```
}
```

Login page

```
package travel.management.system;
```

```
import java.awt.*;
```

```
import javax.swing.*;
```

```
import javax.swing.border.*;
```

```
import java.awt.event.*; //this package is used as for ActionListener
```

```
import java.sql.*;
```

```
public class Login extends JFrame implements ActionListener{ //ActionListener is used to perform actions on the buttons on mouse clicking
```

```
    JButton b1,b2,b3; //We need to declare the button globally so as to use it anywhere in the methods
```

```
    JTextField t1;
```

```
    JPasswordField t2;
```

```
    Login(){
```

```
        // setSize(400,400);
```

```
        // setLocation(400,200);
```

```
        setLayout(null); //Border Layout,FlowLayout,Grid//
```

```
        getContentPane().setBackground(Color.WHITE); //to change the main color of the main frame
```

```
        setBounds(320,250,700,350); //setting the boundaries of the panel(frame)
```

```
        JPanel p1=new JPanel(); //This creates a division of the frame in panel
```

```
p1.setBackground(new Color(255,178,102)); //color bg of login img
p1.setBounds(0,0,320,320);
add(p1); //to add the color frame to the panel
```

```
ImageIcon i1=new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/login.png"));
Image i2=i1.getImage().getScaledInstance(250,250,Image.SCALE_DEFAULT);
ImageIcon i3=new ImageIcon(i2);
JLabel l1=new JLabel(i3);
l1.setBounds(90,110,300,400);
p1.add(l1);
```

```
JPanel p2=new JPanel();
p2.setLayout(null);
p2.setBounds(305,0,350,800);
add(p2);
```

```
JLabel l2=new JLabel("Username");
l2.setBounds(25,20,150,20); //(left_side from panel,from top of
panel,lgh_of_label,size_of_label)
l2.setFont(new Font("Forte",Font.PLAIN,20));
p2.add(l2);
```

```
t1 =new JTextField(); //to make box under username
t1.setBounds(25,55,300,25); //to set boundaries of the box under username
t1.setBorder(BorderFactory.createEmptyBorder()); //to remove the border of the
box(username's box)
p2.add(t1);
```

```
JLabel l3=new JLabel("Password");  
l3.setBounds(25,90,150,30); //to set the boundaries of the "password"  
l3.setFont(new Font("Forte",Font.PLAIN,20));  
p2.add(l3);
```

```
t2 =new JPasswordField(); // By usng "JPasswordField" a dotted appearance-user will enter  
the password
```

```
t2.setBounds(25,130,300,25); //to set the boundaries of the dialouge box of the password  
t2.setBorder(BorderFactory.createEmptyBorder()); //to remove the border of the  
box(username's box)  
p2.add(t2);
```

```
//For creating Buttons
```

```
b1= new JButton("Login");  
b1.setBounds(30,190,130,30); //to set boundary of the buttons  
b1.setBackground(new Color(255,178,102)); //to provide color of the buttons  
b1.setForeground(Color.black); //text on button  
b1.setBorder(BorderFactory.createEmptyBorder()); //to remove the border of the box  
b1.addActionListener(this); //to perform actions by the buttons  
b1.setFont(new Font("Gabriola",Font.BOLD,20));  
p2.add(b1);
```

```
b2= new JButton("Signup");  
b2.setBounds(200,190,130,30); //to set boundary of the buttons  
b2.setForeground(new Color(255,178,102)); //text on button  
b2.setBackground(Color.WHITE); //to provide color of the buttons
```

```
b2.setBorder(new LineBorder(new Color(255,178,102))); // "LineBorder"-to color the border of the box
```

```
b2.addActionListener(this); //to perform actions by the buttons
```

```
b2.setFont(new Font("Gabriola",Font.BOLD,20));
```

```
p2.add(b2);
```

```
b3= new JButton("Forget Password");
```

```
b3.setBounds(105,240,150,30); //to set boundary of the buttons
```

```
b3.setForeground(new Color(255,178,102)); //text on button
```

```
b3.setBackground(Color.WHITE); //to provide color of the buttons
```

```
b3.setBorder(new LineBorder(new Color(255,178,102))); // "LineBorder"-to color the border of the box
```

```
b3.addActionListener(this); //to perform actions by the buttons
```

```
b3.setFont(new Font("Gabriola",Font.BOLD,20));
```

```
p2.add(b3);
```

```
JLabel l4=new JLabel("Trouble in Login...");
```

```
l4.setForeground(Color.red);
```

```
l4.setBounds(135,280,120,20);
```

```
p2.add(l4);
```

```
setVisible(true);
```

```
}
```

```
public void actionPerformed(ActionEvent ae){ //method overriding functn to make the action performed
```

```
//All the actions that are being performed by the buttons are being performed under this method
```

```
if(ae.getSource() ==b1){
```

```

try{
    String username =t1.getText();
    String password =t2.getText();
    String sql ="select *from account where username = '"+username+"'AND
password='"+password+"'";
    Conn c=new Conn();
    ResultSet rs=c.s.executeQuery(sql);
    if(rs.next()){
        this.setVisible(false);
        new Loading(username).setVisible(true);
    }else{
        JOptionPane.showMessageDialog(null, "Invalid Login");
    }
}catch(Exception e){}

}else if(ae.getSource()==b2){
    this.setVisible(false); //when the Signup frame will open the login frame will get closed
    new Signup().setVisible(true); //This will call the signup frame
}else if(ae.getSource()==b3){
    this.setVisible(false);
    new ForgetPassword().setVisible(true);
}
}
public static void main(String[] args){
    new Login();
}
}

```

Dashboard

```
package travel.management.system;

import java.awt.*;
import javax.swing.*;
import java.awt.event.*;

public class Dashboard extends JFrame implements ActionListener{
    JButton b13,b14,b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b15;
    String username;
    Dashboard(String username){
        this.username=username;
        setExtendedState(JFrame.MAXIMIZED_BOTH); //It will maximise the whole frame to
        which our desktop screen is
        setLayout(null);

        JPanel p1=new JPanel();
        p1.setLayout(null);
        p1.setBounds(0, 0, 1366, 65);
        p1.setBackground(new Color(64,64,64)); //to set the bg of the photo as on the frame
        add(p1);

        ImageIcon i4=new
        ImageIcon(ClassLoader.getResource("travel/management/system/icons/dashboard.jpg"));
        Image i5=i4.getImage().getScaledInstance(70, 70, Image.SCALE_DEFAULT);
        ImageIcon i6=new ImageIcon(i5);
        JLabel l2=new JLabel(i6);
```



```
l2.setBounds(5,0,70,70);
```

```
p1.add(l2);
```

```
JLabel l3=new JLabel("Dashboard");
```

```
l3.setFont(new Font("Tahoma",Font.BOLD,30));
```

```
l3.setForeground(Color.WHITE);
```

```
l3.setBounds(80, 10, 300, 40);
```

```
p1.add(l3);
```

```
JPanel p2=new JPanel();
```

```
p2.setLayout(null);
```

```
p2.setBounds(0, 65, 250, 736);
```

```
p2.setBackground(new Color(64,64,64)); //to set the bg of the photo as on the frame
```

```
add(p2);
```

```
b1=new JButton("Add Personal Details");
```

```
b1.setBackground(new Color(64,64,64));
```

```
b1.setFont(new Font("Gabriola",Font.BOLD, 16));
```

```
b1.setForeground(Color.WHITE);
```

```
b1.setMargin(new Insets(0,0,0,65)); //sets margin from top,left,bottom,right
```

```
b1.setBounds(0,0,250,40);
```

```
b1.addActionListener(this);
```

```
p2.add(b1);
```

```
b2=new JButton("Update Personal Details");
```

```
b2.setBackground(new Color(64,64,64));
```

```
b2.setFont(new Font("Gabriola",Font.BOLD, 16));
```

```
b2.setForeground(Color.WHITE);
b2.setMargin(new Insets(0,0,0,35)); //sets margin from top,left,bottom,right
b2.setBounds(0,40,250,40);
b2.addActionListener(this);
p2.add(b2);

b3=new JButton("View Details");
b3.setBackground(new Color(64,64,64));
b3.setFont(new Font("Gabriola",Font.BOLD, 16));
b3.setForeground(Color.WHITE);
b3.setMargin(new Insets(0,0,0,125)); //sets margin from top,left,bottom,right
b3.setBounds(0,80,250,40);
b3.addActionListener(this);
p2.add(b3);

b4=new JButton("Delete Personal Details");
b4.setBackground(new Color(64,64,64));
b4.setFont(new Font("Gabriola",Font.BOLD, 16));
b4.setForeground(Color.WHITE);
b4.setMargin(new Insets(0,0,0,50)); //sets margin from top,left,bottom,right
b4.setBounds(0,120,250,40);
b4.addActionListener(this);
p2.add(b4);

b5=new JButton("Check Package");
b5.setBackground(new Color(64,64,64));
b5.setFont(new Font("Gabriola",Font.BOLD, 16));
b5.setForeground(Color.WHITE);
```

```
b5.setMargin(new Insets(0,0,0,110)); //sets margin from top,left,bottom,right
b5.setBounds(0,160,250,40);
b5.addActionListener(this);
p2.add(b5);
```

```
b6=new JButton("Book Package");
b6.setBackground(new Color(64,64,64));
b6.setFont(new Font("Gabriola",Font.BOLD, 16));
b6.setMargin(new Insets(0,0,0,115)); //sets margin from top,left,bottom,right
b6.setForeground(Color.WHITE);
b6.setBounds(0,200,250,40);
b6.addActionListener(this);
p2.add(b6);
```

```
b7=new JButton("View Package");
b7.setBackground(new Color(64,64,64));
b7.setFont(new Font("Gabriola",Font.BOLD, 16));
b7.setForeground(Color.WHITE);
b7.setMargin(new Insets(0,0,0,115)); //sets margin from top,left,bottom,right
b7.setBounds(0,240,250,40);
b7.addActionListener(this);
p2.add(b7);
```

```
b8=new JButton("Check Hotel");
b8.setBackground(new Color(64,64,64));
b8.setFont(new Font("Gabriola",Font.BOLD, 16));
b8.setForeground(Color.WHITE);
b8.setMargin(new Insets(0,0,0,130)); //sets margin from top,left,bottom,right
```

```
b8.setBounds(0,280,250,40);  
b8.addActionListener(this);  
p2.add(b8);
```

```
b9=new JButton("Book Hotel");  
b9.setBackground(new Color(64,64,64));  
b9.setFont(new Font("Gabriola",Font.BOLD, 16));  
b9.setForeground(Color.WHITE);  
b9.setMargin(new Insets(0,0,0,130)); //sets margin from top,left,bottom,right  
b9.setBounds(0,320,250,40);  
b9.addActionListener(this);  
p2.add(b9);
```

```
b10=new JButton("View Booked Hotel");  
b10.setBackground(new Color(64,64,64));  
b10.setFont(new Font("Gabriola",Font.BOLD, 16));  
b10.setForeground(Color.WHITE);  
b10.setMargin(new Insets(0,0,0,86)); //sets margin from top,left,bottom,right  
b10.setBounds(0,360,250,40);  
b10.addActionListener(this);  
p2.add(b10);
```

```
b11=new JButton("Cancellation");  
b11.setBackground(new Color(64,64,64));  
b11.setFont(new Font("Gabriola",Font.BOLD, 16));  
b11.setForeground(Color.WHITE);  
b11.setMargin(new Insets(0,0,0,130)); //sets margin from top,left,bottom,right  
b11.setBounds(0,400,250,40);
```

```
b11.addActionListener(this);  
p2.add(b11);
```

```
b12=new JButton("Payment");  
b12.setBackground(new Color(64,64,64));  
b12.setFont(new Font("Gabriola",Font.BOLD, 16));  
b12.setForeground(Color.WHITE);  
b12.setMargin(new Insets(0,0,0,155)); //sets margin from top,left,bottom,right  
b12.setBounds(0,440,250,40);  
b12.addActionListener(this);  
p2.add(b12);
```

```
b13=new JButton("Calculator");  
b13.setBackground(new Color(64,64,64));  
b13.setFont(new Font("Gabriola",Font.BOLD, 16));  
b13.setForeground(Color.WHITE);  
b13.setMargin(new Insets(0,0,0,145)); //sets margin from top,left,bottom,right  
b13.setBounds(0,480,250,40);  
b13.addActionListener(this);  
p2.add(b13);
```

```
b14=new JButton("Notepad");  
b14.setBackground(new Color(64,64,64));  
b14.setFont(new Font("Gabriola",Font.BOLD, 16));  
b14.setForeground(Color.WHITE);  
b14.setMargin(new Insets(0,0,0,160)); //sets margin from top,left,bottom,right  
b14.setBounds(0,520,250,40);
```

```
b14.addActionListener(this);
```

```
p2.add(b14);
```

```
b15=new JButton("About");
```

```
b15.setBackground(new Color(64,64,64));
```

```
b15.setFont(new Font("Gabriola",Font.BOLD, 16));
```

```
b15.setForeground(Color.WHITE);
```

```
b15.setMargin(new Insets(10,0,0,178)); //sets margin from top,left,bottom,right
```

```
b15.setBounds(0,560,250,40);
```

```
b15.addActionListener(this);
```

```
p2.add(b15);
```

```
ImageIcon i1=new  
ImageIcon(ClassLoader.getResource("travel/management/system/icons/home.jpg"));
```

```
Image i2=i1.getImage().getScaledInstance(1366, 736, Image.SCALE_DEFAULT);
```

```
ImageIcon i3=new ImageIcon(i2);
```

```
JLabel l1=new JLabel(i3);
```

```
l1.setBounds(0,0,1366,736);
```

```
add(l1);
```

```
JLabel l4=new JLabel("Bhraman");
```

```
l4.setBounds(700,110,1000,50);
```

```
l4.setForeground(new Color(255,215,0));
```

```
l4.setFont(new Font("Old English Text MT", Font.BOLD, 54));
```

```
l1.add(l4);
```

```
JLabel l5=new JLabel("Bhraman");
```

```
l5.setBounds(703,113,1003,50);
```

```

15.setForeground(Color.WHITE);
15.setFont(new Font("Old English Text MT", Font.BOLD, 54));
11.add(15);

}

public void actionPerformed(ActionEvent ae){
    if(ae.getSource() ==b13){
        try{
            Runtime.getRuntime().exec("calc.exe");
        }catch(Exception e){}
    }else if(ae.getSource() ==b14){
        try{
            Runtime.getRuntime().exec("notepad.exe");
        }catch(Exception e){}
    }else if(ae.getSource() == b1){
        new AddCustomer(username).setVisible(true);
    }else if(ae.getSource() == b2){
        new UpdateCustomer(username).setVisible(true);
    }else if(ae.getSource() ==b3){
        new ViewCustomer(username).setVisible(true);
    }else if(ae.getSource() ==b1){
        new Cancellation(username).setVisible(true);
    }else if(ae.getSource() ==b5){
        new CheckPackage().setVisible(true);
    }else if(ae.getSource() ==b6){
        new BookPackage(username).setVisible(true);
    }else if(ae.getSource() ==b7){

```

```

        new ViewPackage(username).setVisible(true);
    }else if(ae.getSource()==b8){
        new CheckHotels().setVisible(true);
    }else if(ae.getSource()==b9){
        new BookHotel(username).setVisible(true);
    }else if(ae.getSource()==b10){
        new ViewBookedHotel(username).setVisible(true);
    }else if(ae.getSource()==b12){
        new Payment().setVisible(true);
    }else if (ae.getSource()==b15){
        new About().setVisible(true);
    }else if (ae.getSource()==b4){
        new DeleteCustomer(username).setVisible(true);
    }
}

}

public static void main(String[] args){
    new Dashboard("").setVisible(true);
}

}

```

Delete customer details

```

package travel.management.system;

import java.awt.*;
import javax.swing.*;

```



```
import java.sql.*;
import java.awt.event.*;

public class DeleteCustomer extends JFrame implements ActionListener{
    JButton b1,b2;
    String username;
    DeleteCustomer(String user){
        this.username=user;
        setBounds(330,180,800,500);
        setLayout(null);
        getContentPane().setBackground(Color.WHITE);

        JLabel head =new JLabel("Delete Customer Details");
        head.setBounds(100, 10, 400, 40);
        head.setForeground(Color.BLUE);
        head.setFont(new Font("MV Boli", Font.BOLD,30));
        add(head);
        JLabel head1 =new JLabel("Delete Customer Details");
        head1.setBounds(102, 12, 402, 42);
        head1.setForeground(Color.BLACK);
        head1.setFont(new Font("MV Boli", Font.BOLD,30));
        add(head1);

        JLabel l1 = new JLabel("Username :");
        l1.setBounds(30, 70, 150,30 );
        l1.setFont(new Font("Monotype Corsiva",Font.BOLD,14));
        add(l1);
```

```
JLabel l11 = new JLabel();  
l11.setBounds(210, 70, 150,30 );  
l11.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l11);
```

```
JLabel l12 = new JLabel("Name :");  
l12.setBounds(30, 110, 150,30 );  
l12.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l12);
```

```
JLabel l121 = new JLabel();  
l121.setBounds(210, 110, 150,30 );  
l121.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l121);
```

```
JLabel l13 = new JLabel("ID :");  
l13.setBounds(30, 150, 150,30 );  
l13.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l13);
```

```
JLabel l131 = new JLabel();  
l131.setBounds(210, 150, 150,30 );  
l131.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l131);
```

```
JLabel l14 = new JLabel("Number :");  
l14.setBounds(30, 190, 150,30 );  
l14.setFont(new Font("Monotype Corsiva",Font.BOLD,14));
```

```
add(14);
```

```
JLabel l41 = new JLabel();
```

```
l41.setBounds(210, 190, 150,30 );
```

```
l41.setFont(new Font("Times New Roman",Font.BOLD,14));
```

```
add(l41);
```

```
JLabel l5 = new JLabel("Gender :");
```

```
l5.setBounds(30, 230, 150,30 );
```

```
l5.setFont(new Font("Monotype Corsiva",Font.BOLD,14));
```

```
add(l5);
```

```
JLabel l51 = new JLabel();
```

```
l51.setBounds(210, 230, 150,30 );
```

```
l51.setFont(new Font("Times New Roman",Font.BOLD,14));
```

```
add(l51);
```

```
JLabel l6 = new JLabel("Country :");
```

```
l6.setBounds(30, 270, 150,30 );
```

```
l6.setFont(new Font("Monotype Corsiva",Font.BOLD,14));
```

```
add(l6);
```

```
JLabel l61 = new JLabel();
```

```
l61.setBounds(210, 270, 150,30 );
```

```
l61.setFont(new Font("Times New Roman",Font.BOLD,14));
```

```
add(l61);
```

```
JLabel l7 = new JLabel("Address :");
```

```
l7.setBounds(30, 310, 150,30 );  
l7.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l7);
```

```
JLabel l71 = new JLabel();  
l71.setBounds(210, 310, 250,30 );  
l71.setFont(new Font("Times New Roman",Font.BOLD,14));  
add(l71);
```

```
JLabel l8 = new JLabel("Phone :");  
l8.setBounds(30, 350, 150,30 );  
l8.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l8);
```

```
JLabel l81 = new JLabel();  
l81.setBounds(210, 350, 150,30 );  
l81.setFont(new Font("Times New Roman",Font.BOLD,14));  
add(l81);
```

```
JLabel l9 = new JLabel("Email :");  
l9.setBounds(30, 390, 150,30 );  
l9.setFont(new Font("Monotype Corsiva",Font.BOLD,14));  
add(l9);
```

```
JLabel l91 = new JLabel();  
l91.setBounds(210, 390, 200,30 );  
l91.setFont(new Font("Times New Roman",Font.BOLD,14));  
add(l91);
```

```
    try{
        Conn c=new Conn();
        ResultSet rs=c.s.executeQuery("select *from customer where username
=""+username+""");
        while(rs.next()){
            l1.setText(rs.getString("username"));
            l2.setText(rs.getString("name"));
            l3.setText(rs.getString("id"));
            l4.setText(rs.getString("number"));
            l5.setText(rs.getString("gender"));
            l6.setText(rs.getString("country"));
            l7.setText(rs.getString("address"));
            l8.setText(rs.getString("phone"));
            l9.setText(rs.getString("email"));
        }
    }catch (Exception e){ }
```

```
        b1 = new JButton("Delete");
        b1.setBackground(Color.BLACK);
        b1.setForeground(Color.WHITE);
        b1.setBounds(60,425,80,25);
        b1.addActionListener(this);
        b1.setFont(new Font("Gabriola",Font.BOLD,20));
        add(b1);
```

```
        b2 = new JButton("Back");
        b2.setBackground(Color.BLACK);
        b2.setForeground(Color.WHITE);
```

```

        b2.setBounds(190,425,80,25);
        b2.addActionListener(this);
        b2.setFont(new Font("Gabriola",Font.BOLD,20));
        add(b2);

        ImageIcon i1=new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/delete.png"));

        Image i2=i1.getImage().getScaledInstance(300, 300, Image.SCALE_DEFAULT);
        ImageIcon i3=new ImageIcon(i2);
        JLabel l10=new JLabel(i3);
        l10.setBounds(450,60,300,300);
        add(l10);

    }

    public void actionPerformed(ActionEvent ae){
        if(ae.getSource() ==b1){
            try{
                Conn c=new Conn();
                c.s.executeUpdate("delete from account where username='"+username+"'");
                c.s.executeUpdate("delete from bookHotel where username='"+username+"'");
                c.s.executeUpdate("delete from bookpackage where username='"+username+"'");
                c.s.executeUpdate("delete from customer where username='"+username+"'");

                JOptionPane.showMessageDialog(null,"Customer Details Deleted Successfully");
                System.exit(0);
            }catch (Exception e){}
        }
    }

```

```
    }else if(ae.getSource() ==b2){
        this.setVisible(false);
    }
}
```

```
    public static void main(String[] args) {
        new DeleteCustomer("").setVisible(true);
    }
}
```

Update customer details

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
import java.sql.*;
```

```
public class UpdateCustomer extends JFrame implements ActionListener{
```

```
    JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9;
```

```
    JComboBox cb1;
```

```
    JRadioButton r1,r2;
```

```
    JButton b1,b2;
```

```
    UpdateCustomer(String username){
```

```
        setBounds(340,150,800,520);
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JLabel l11= new JLabel("UPDATE CUSTOMER DETAILS");
```

```
l11.setBounds(450,40,260,25);
l11.setFont(new Font("MV Boli", Font.BOLD,16));
add(l11);

JLabel l1=new JLabel("Username :");
l1.setBounds(30,20,80,25);
l1.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
add(l1);

t1=new JTextField();
t1.setBounds(180,20,200,25);
add(t1);

JLabel l2=new JLabel("ID :");
l2.setBounds(30,70,80,25);
l2.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
add(l2);

t8=new JTextField();
t8.setBounds(180,70,200,25);
add(t8);

JLabel l3=new JLabel("Number :");
l3.setBounds(30,120,80,25);
l3.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
add(l3);

t2=new JTextField();
```



```
t2.setBounds(180,120,200,25);  
add(t2);
```

```
JLabel l4=new JLabel("Name :");  
l4.setBounds(30,170,80,25);  
l4.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l4);
```

```
t3=new JTextField();  
t3.setBounds(180,170,200,25);  
add(t3);
```

```
JLabel l5=new JLabel("Gender :");  
l5.setBounds(30,210,80,25);  
l5.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l5);
```

```
t9=new JTextField();  
t9.setBounds(180,210,200,25);  
add(t9);
```

```
JLabel l6=new JLabel("Country :");  
l6.setBounds(30,250,80,25);  
l6.setFont(new Font("Monotype Corsiva",Font.BOLD,17));  
add(l6);
```

```
t4=new JTextField();  
t4.setBounds(180,250,200,25);
```

```
add(t4);
```

```
JLabel l7=new JLabel("Address :");
```

```
l7.setBounds(30,298,80,25);
```

```
l7.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
```

```
add(l7);
```

```
t5=new JTextField();
```

```
t5.setBounds(180,300,200,25);
```

```
add(t5);
```

```
JLabel l8=new JLabel("Phone :") ;
```

```
l8.setBounds(30,348,80,25);
```

```
l8.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
```

```
add(l8);
```

```
t6=new JTextField();
```

```
t6.setBounds(180,350,200,25);
```

```
add(t6);
```

```
JLabel l9=new JLabel("Email :");
```

```
l9.setBounds(30,400,80,25);
```

```
l9.setFont(new Font("Monotype Corsiva",Font.BOLD,17));
```

```
add(l9);
```

```
t7=new JTextField();
```

```
t7.setBounds(180,400,200,25);
```

```
add(t7);
```

```
b1=new JButton ("Update");
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.setBounds(80, 440, 100, 25);
b1.addActionListener(this);
b1.setFont(new Font("Gabriola",Font.BOLD,20));
add(b1);
```

```
b2=new JButton ("Back");
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);
b2.setBounds(220, 440, 100, 25);
b2.addActionListener(this);
b2.setFont(new Font("Gabriola",Font.BOLD,20));
add(b2);
```

```
ImageIcon i1=new
ImageIcon(ClassLoader.getResource("travel/management/system/icons/update.png"));
Image i2=i1.getImage().getScaledInstance(270, 270, Image.SCALE_DEFAULT);
ImageIcon i3= new ImageIcon(i2);
JLabel l10=new JLabel(i3);
l10.setBounds(450,100,270,270);
add(l10);
```

```
try{
    Conn c=new Conn();
    ResultSet rs= c.s.executeQuery("select * from customer where username
    ="+username+"");
```

```

while(rs.next()){
    t1.setText(rs.getString("username"));
    t2.setText(rs.getString("number"));
    t3.setText(rs.getString("name"));
    t4.setText(rs.getString("country"));
    t5.setText(rs.getString("address"));
    t6.setText(rs.getString("phone"));
    t7.setText(rs.getString("email"));
    t8.setText(rs.getString("id"));
    t9.setText(rs.getString("gender"));
}
}catch(Exception e){
    e.printStackTrace();
}
}

public void actionPerformed(ActionEvent ae){
    if(ae.getSource()== b1){
        String username = t1.getText();
        String id= t8.getText();
        String number = t2.getText();
        String name = t3.getText();
        String radio=t9.getText();
        String country = t4.getText();
        String address = t5.getText();
        String phone = t6.getText();
        String email = t7.getText();

```

```

String q="update customer set username='"+username+"', id='"+id+"',number=
'+number+"',name='"+name+"',gender='"+radio+"',country='"+country+"',address =
'+address+"',phone='"+phone+"',email='"+email+"'";

try{

    Conn c=new Conn();

    c.s.executeUpdate(q);

    JOptionPane.showMessageDialog(null,"Customer Details Updated Successfully");

    this.setVisible(false);

}catch(Exception e){

    e.printStackTrace();

}

}

}else if(ae.getSource()== b2){

    this.setVisible(false);

}

}

public static void main(String[] args){

    new UpdateCustomer("").setVisible(true);

}

}

```

Chapter 5

Implementation & Testing

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. In fact, testing is the one step in the software engineering process that could be viewed as destructive rather than constructive.

UNIT TESTING

Unit testing focuses verification effort on the smallest unit of software design, the module. The unit testing we have is white box oriented and some modules the steps are conducted in parallel.

WHITE BOX TESTING

- *. This type of testing ensures that
- * All independent paths have been exercised at least once
- * All logical decisions have been exercised on their true and false sides

DATA FLOW TESTING

This type of testing selects the path of the program according to the location of definition and use of variables. This kind of testing was used only when some local variable were declared. The definition-use chain method was used in this type of testing. These were particularly useful in nested statements.

LOOP TESTING

- * In this type of testing all the loops are tested to all the limits possible. The following exercise was adopted for all loops:
- *. All the loops were tested at their limits, just above them and just below them.
- *. All the loops were skipped at least once.
- *. For nested loops test the inner most loop first and then work outwards

INTEGRATION TESTING

Established technique of flow graph with Cyclomatic complexity was used to derive test cases for all the functions. The main steps in deriving test cases were:

Use the design of the code and draw correspondent flow graph.

Determine the Cyclomatic complexity of resultant flow graph, using formula:

$V(G)=E-N+2$ or

$V(G)=P+1$ or

$V(G)=\text{Number Of Regions}$

Where $V(G)$ is Cyclomatic complexity

E is the number of edges,

N is the number of flow graph nodes,

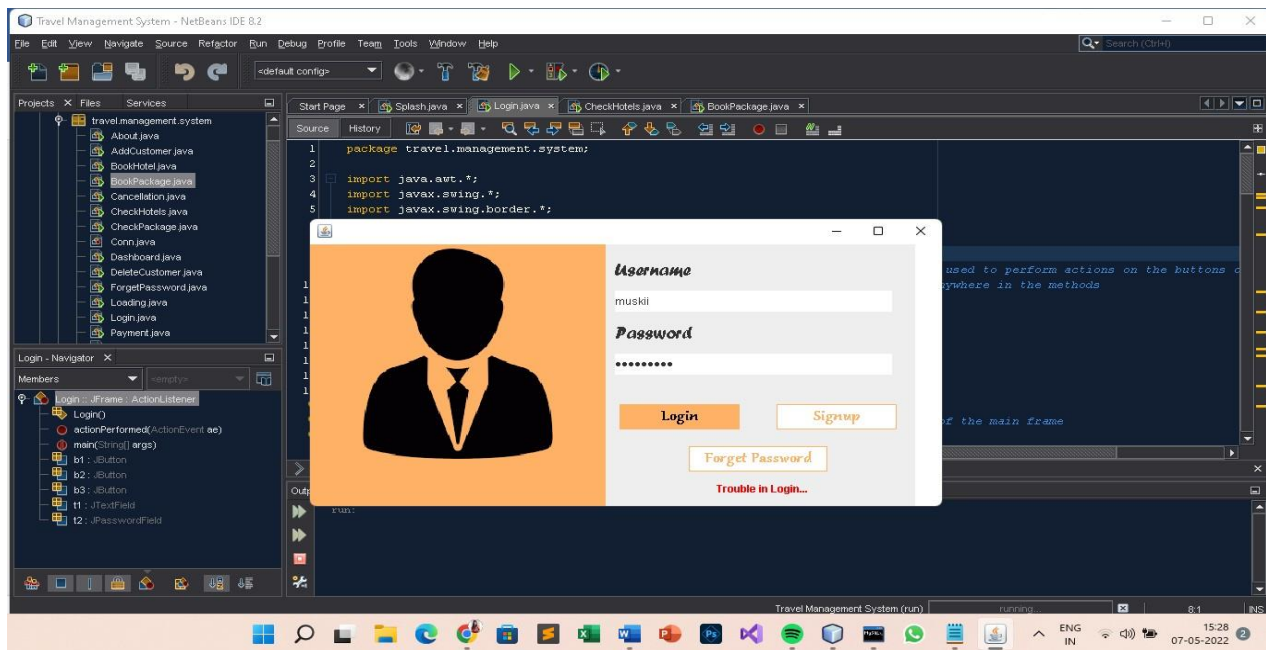
P is the number of predicate nodes.

Determine the basis of set of linearly independent paths.

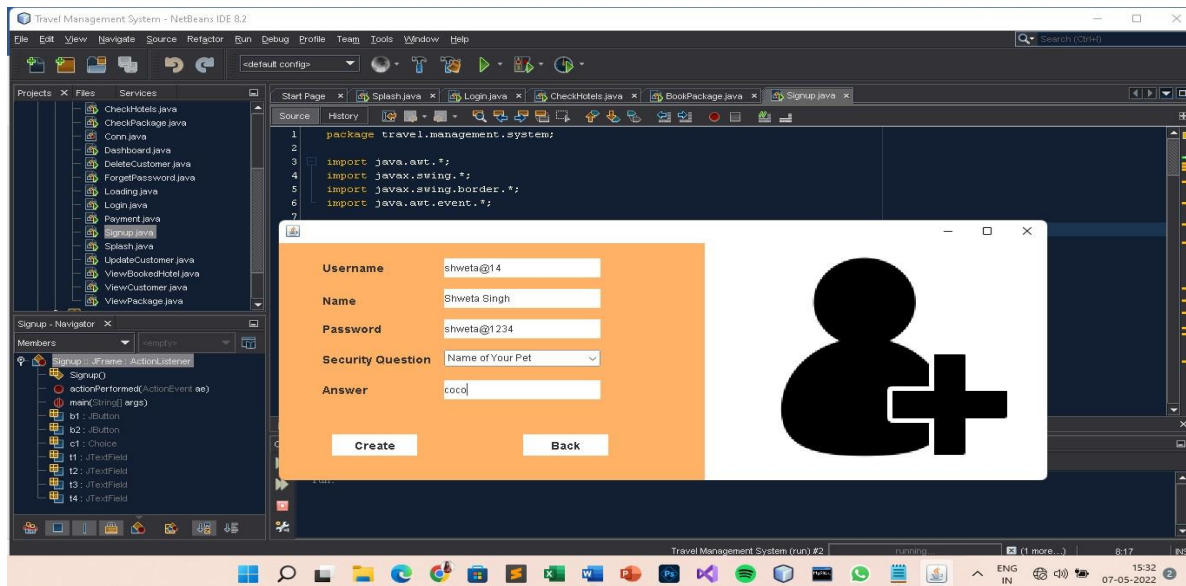
Chapter 6

Result & Discussion

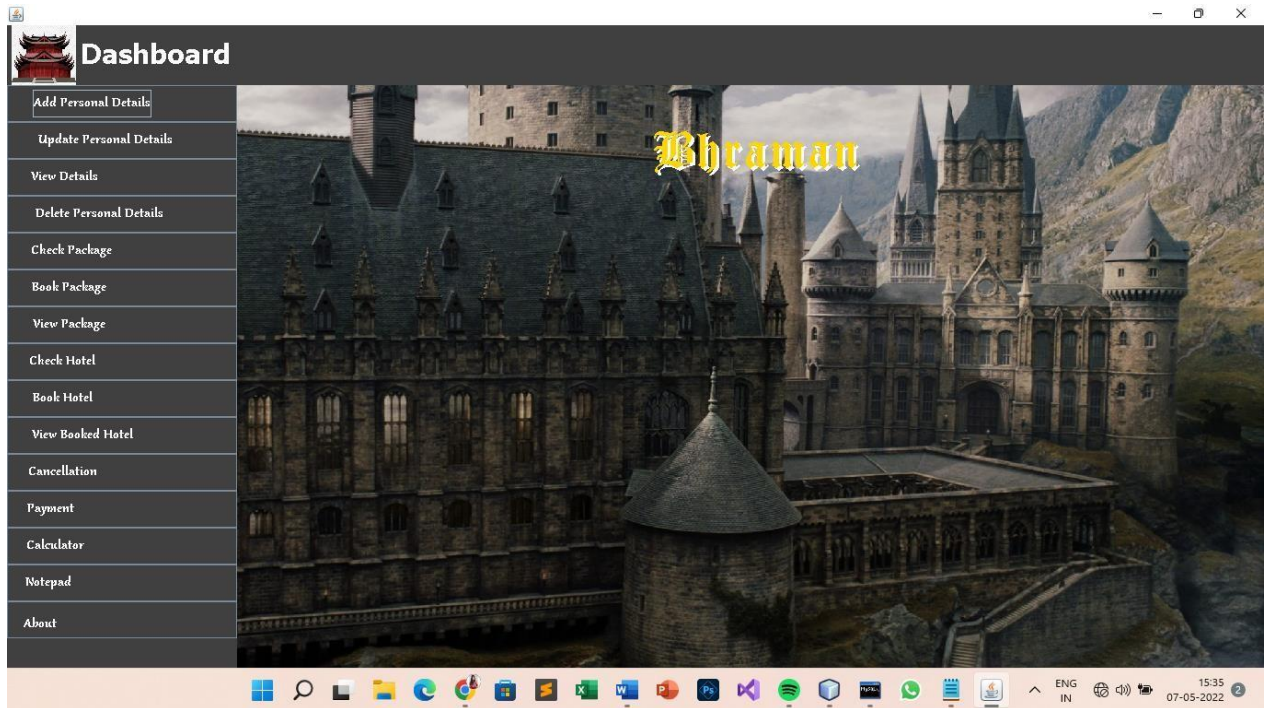
Login Page: This allows the user to login to the Travel Management System.



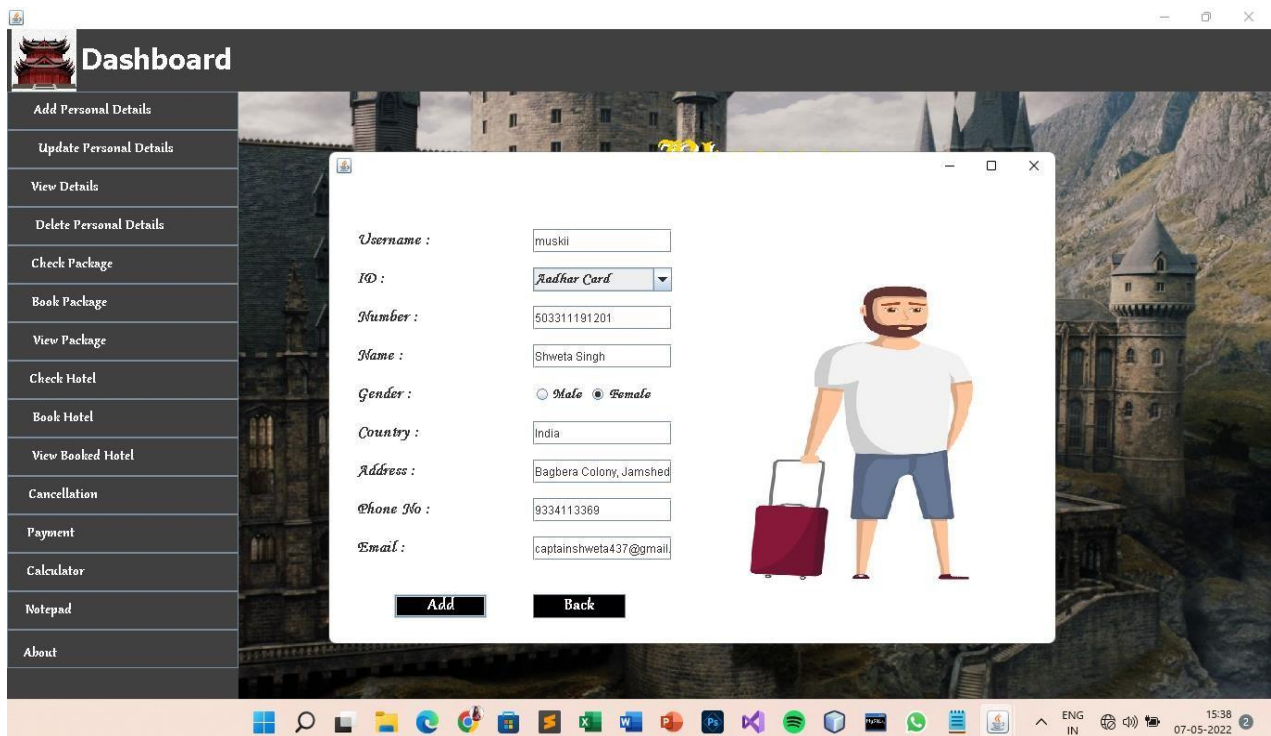
Signup Page: This allows the user to make a new registration to the Travel Management System.



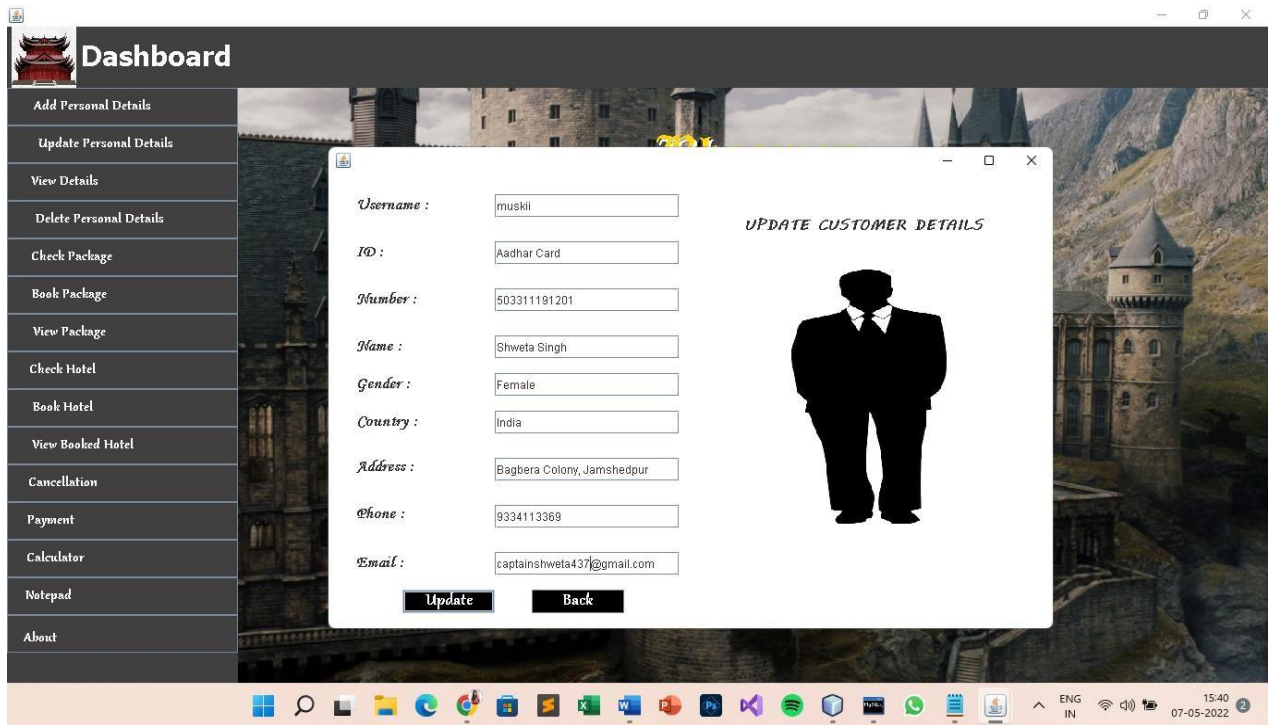
Dashboard: This allows the user to enter to the main page of the Travel Management System.



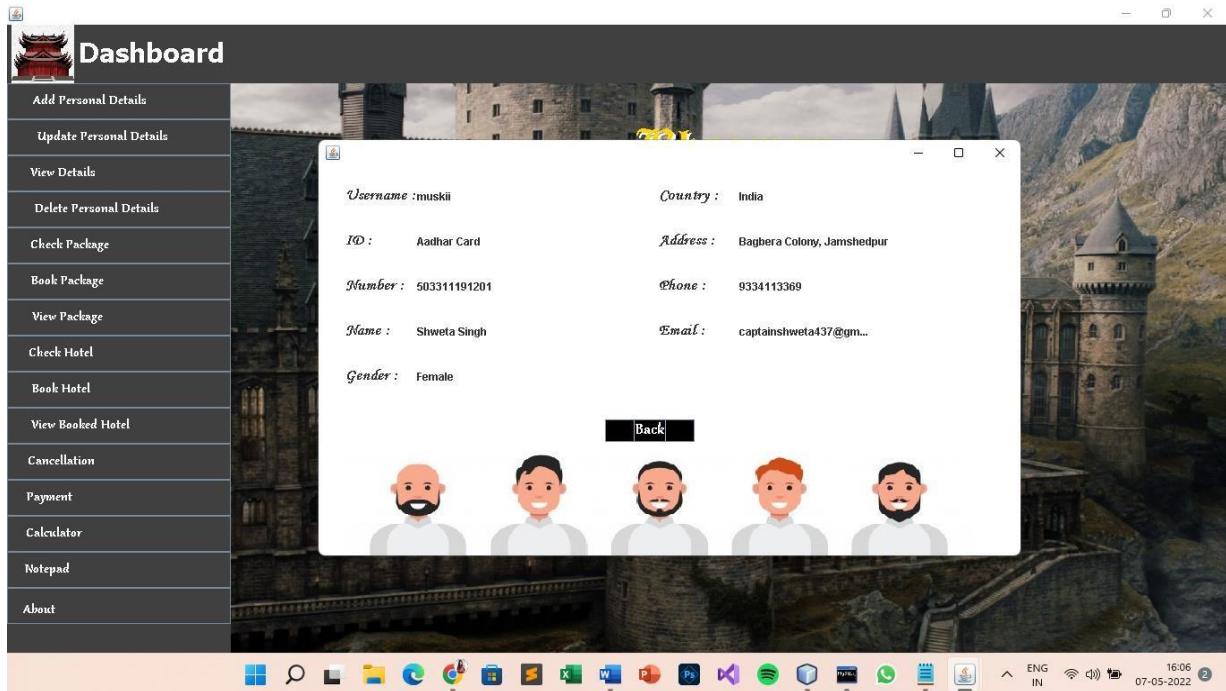
AddCustomer Details: The details of the customer to be entered by the user.



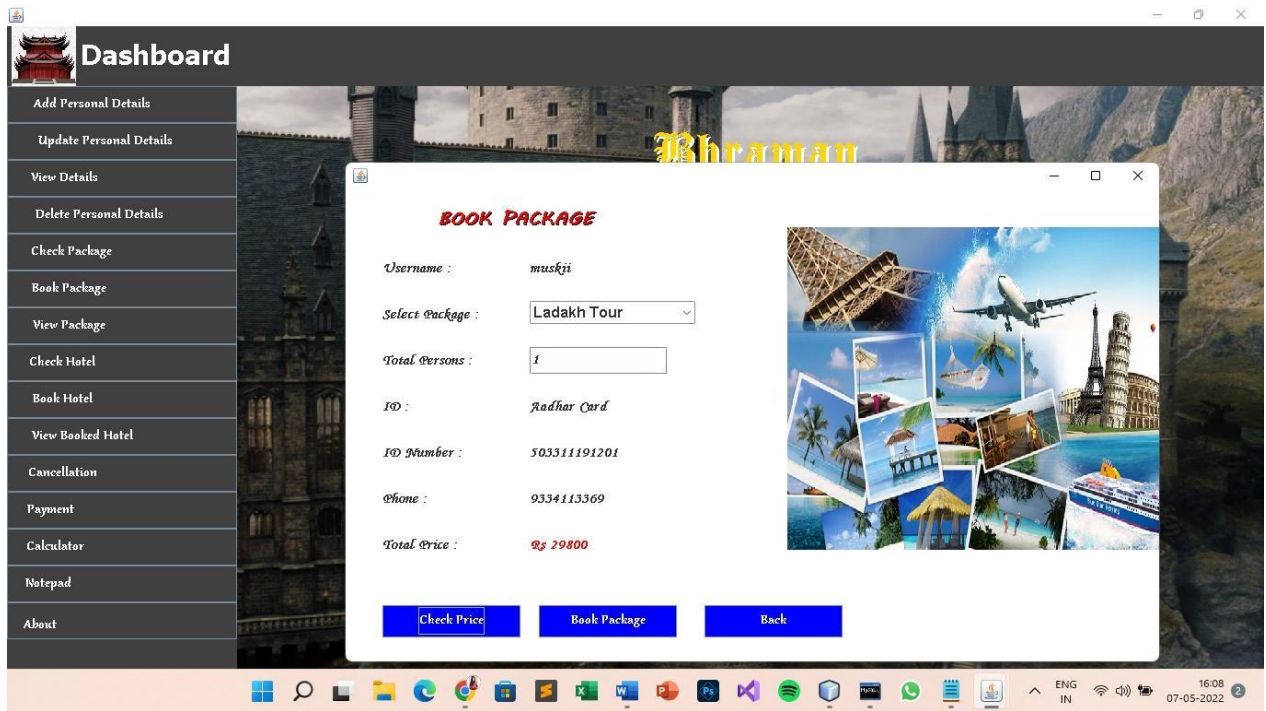
Update Customer Details: The details of the customer to be updated.



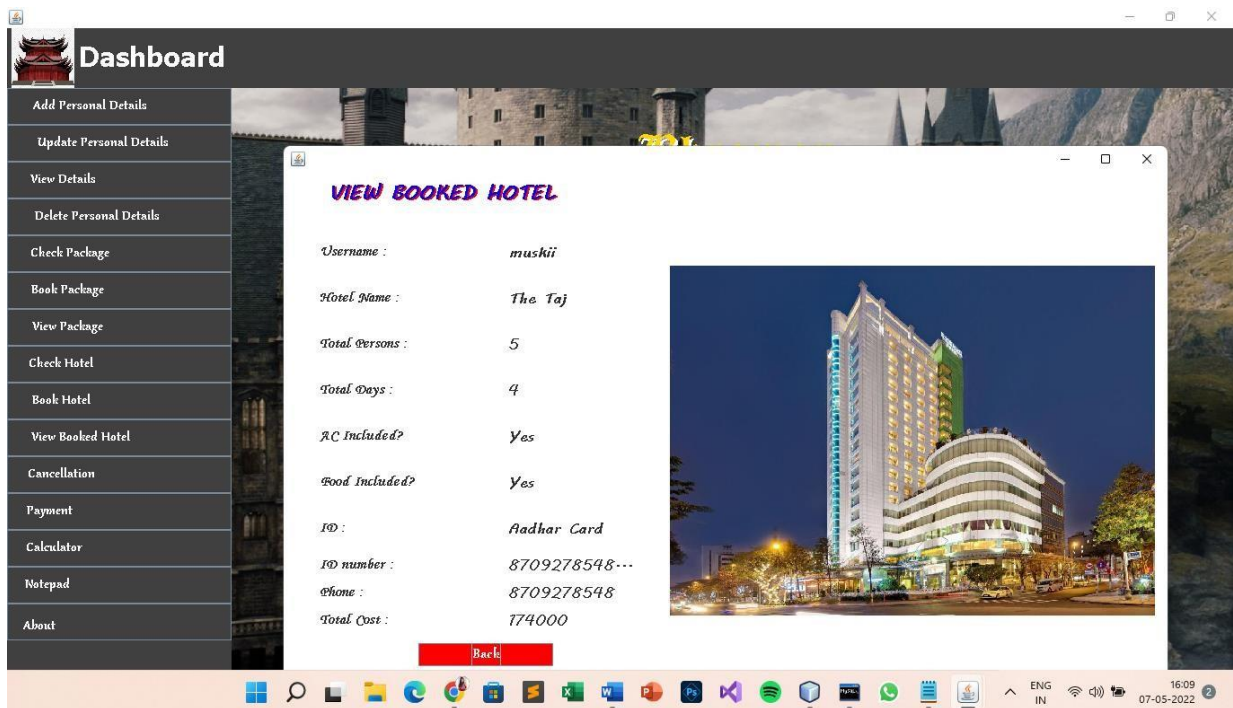
View Customer Details: The details of the customer to be viewed.



Book Package Details: The package details is shown to be booked.



View Book Hotel Details: The hotel details are shown that is booked.



Chapter 7

CONCLUSION

This application was successfully created and stored all the travel management admin tourism packages booking, creation, managing and tour details into the database using this application. The application was tested very well and the errors were properly debugged. Testing also concluded that the performance of the system is satisfactory. All the necessary output is generated. This system thus provides an easy way to automate all the functionalities of consumption. If this application is implemented in few consumptions, it will be helpful. Further enhancements can be made to the project, so that the website functions in a very attractive and useful manner than the present one. It is concluded that the application works well and satisfy the needs. The application is tested very well and errors are properly debugged. It also acts as the sharing of files to the valuable resources.

It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

CHAPTER 8

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