

City Guide

S.E. mini-project report submitted in partial
fulfilment of the requirements of the degree of

Information Technology

by

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CERTIFICATE

This is to certify that the S.E. mini-project entitled "**City Guide**" is a bonafide work of "**Mahendra Yadav**" (**67**) [**SEIT-2**] submitted to University of Mumbai in partial fulfilment of the requirement for the award of the degree of "**Information Technology**" during the academic year 2021–2022.

Under the guidance of

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Principal

S. E. Mini-Project Report Approval

This mini-project synopsis entitled

City Guide

by

Mahendra Yadav

is approved for the degree of ***Bachelor of Engineering in Information Technology*** from ***University of Mumbai.***

Examiners

1.

2.

Date: 14/12/2021

Place: Mumbai

Declaration

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will cause disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Signature

Mahendra Yadav (67)

Date: 14/12/2021

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Abstract

As the name specifies “City Guide - TOURISM MANAGEMENT SYSTEM” is a software developed for managing tour booking. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system Which is more user friendly and more GUI oriented. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

- Less human error
- Strength and strain of manual labor can be reduced
- High security
- Data redundancy can be avoided to some extent
- Data consistency
- Easy to handle
- Easy data updating
- Easy record keeping
- Backup data can be easily generated

1. Introduction

1.1 Introduction

City Guide project allows tourists & other visitors to the city by providing information about hotels, sight-seeing, shopping details, etc. Through this system, the proposed 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. This system will include all the necessary fields which are required during online reservation time. This system will be easy to use and can be used by any person. Tourists can register by providing personal details, make new reservation and book only one hotel and package and can make cancellation.

1.2 Motivation

- Our motivation for choosing an airline reservation system was to develop a system that was visually appealing and easy to use.
- Additional motivation is that we've just finished learning Java and MySQL Database, So we are excited to implement it on actual working project.

1.3 Problem Statement

In Existing system the person who are visiting a particular city need to gather information from the person who is staying in the city or take the help of the guide in the city. This possess a lot of time and pre-planning. In order to get each piece of information we need to go for help desk.

1.4 Objective

- The user can find exactly what they're looking for.
- The user can make a list of favorite spots, plan a trip, and save places they want to go.
- It is a reliable guide in your pocket.
- The main aim of the project is to help our user to make their vacation budget and time efficient.

2. Literature Survey

2.1 Survey of Existing system

In the present system a customer has to approach various agencies to find details of places and to book tickets. This often requires a lot of time and effort. A customer may not get the desired information from these offices and often the customer may be misguided. It is tedious for a customer to plan a particular journey and have it executed properly.

2.2 Limitation of Existing system or Research gap

- The major limitation of a tour and travel management systems are they're very tedious and often not available online.
- There are strict schedules and guidelines one needs to follow and if one desires to alter the package it cannot be done

2.3 Mini Project Contribution

- Smart City is a Java-based SE application developed in NetBeans IDE to reduce the manual work for managing Tourists, Booking, Places etc.

- This application will help in accessing the information related to the travel to the particular destination with great ease.
- The user will have their login id, so that they can keep track of their tour.
- The project is totally built at administrative end and thus only the administrator is guaranteed the access to the backend database.

3. Proposed System

3.1 Requirement Specification

1. SOFTWARE SPECIFICATION

Operating system: Microsoft windows 10.

Integrated Development Environment: NetBeans

MySQL Command Line Client & JDBC

Programming language: JAVA

2. HARDWARE SPECIFICATION

System type: 64-bit Operating System, x64-bassed processor.

Installed memory (RAM):4.00 GB (3.83 GB Usable)

Total size of Hard disk: 1 TB

3.2 Architecture / Framework

IDE: IDE is a free, open source, integrated development environment (IDE) that enables you to develop desktop, mobile and web applications. The IDE supports application development in various languages, including Java, HTML5, PHP and C++. The IDE provides integrated support for the complete development cycle, from project creation through debugging, profiling and deployment. The IDE runs on Windows, Linux, Mac OS X, and other UNIX-based systems. The IDE provides comprehensive support for JDK 7 technologies and the most recent Java enhancements. It is the first IDE that provides support for JDK 7, Java EE 7, and JavaFX 2. The IDE fully supports Java EE using the latest standards for Java, XML, Web services, and SQL and fully supports the Glassfish Server, the reference implementation of Java EE.

NetBeans IDE is a free and open source integrated development environment for application development on Windows, Mac, Linux, and Solaris operating systems. The IDE simplifies the development of web, enterprise, desktop, and mobile applications that use the Java and HTML5 platforms.

MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications. The most common use for MySQL however, is for the purpose of a web database.

Java Database Connectivity (JDBC) is an application programming interface (API) for the programming language Java, which defines how a client may access a database. It is Java based data access technology and used for Java database connectivity. It is part of the Java Standard Edition platform, from Oracle Corporation. It provides methods to query and update data in a database, and is oriented towards relational databases.

3.3 Process Design

Write basic Application in Java using MySQL and Swing.

- 1) Swing used for design the GUI of the project.

- 2) MySQL used for database management system i.e. to build backend of the project where all the data of users will be stored.

3.4 Implementation of Project

- **City Guide project consists of total 18 classes which are as follows:**

1. SplashScreen.java

SplashScreen.java class is a main class of our project. It is used to give animation effect.

2. Login.java

Login.java class ask user to enter their username and password for login into application.

3. SignUp.java

SignUp.java class is used to build signup frame, So new user can sign up to our application.

4. ForgotPassword.java

ForgotPassword.java class helps user to retrieve their login password, if they forgot it.

5. DashBoard.java

DashBoard.java class is used to build dashboard frame, where the menu button is present which contains all the various options for users.

6. UpdatePD.java

In UpdatePd.java class user can enter their all personal details.

7. ViewPD.java

In ViewPd.java class user can view their all personal details which user had entered previously.

8. ExplorePackages.java

In ExplorePackages.java class user can explore different packages.

9. DisplayPackages.java

In DisplayPackages.java class user can view images of various tourist places of a particular city with description.

10. tourDeatils.java

tourDeatils.java class used to display guidelines of tour.

11. BookPackage.java

In BookPackage.java class user can book the chosen package.

12. Payment.java

In Payment.java class user can make payment of booked package.

13. ViewBookedPackage.java

In ViewBookedPackage.java class user can view the status of booked packages.

14. DeleteAccount.java

In DeleteAccount.java class user can permanently delete their all personal details.

15. Loading.java

Loading.java class is used for animation purpose.

16. Description.java

Description.java class stored the various data member and member function used in different classes of our project.

17. ConDB.java

UpdatePd.java class is used to make connection between our GUI and Database.

18. About.java

About.java class displays brief description about our project.

- City Guide project has database in MySQL named “cityguide” contains 4 tables which are as follows:**

Tables_in_cityguide
accountinfo
accounts
bookinginfo
customerinfo

1) table accounts: accounts table stores sign up information of users.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
password	varchar(20)	YES		NULL	
security	varchar(30)	YES		NULL	
answer	varchar(30)	YES		NULL	

2) table accountInfo: accountInfo table stores all personal details of users.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	YES		NULL	
name	varchar(20)	YES		NULL	
id	varchar(20)	YES		NULL	
idVal	varchar(25)	YES		NULL	
gender	varchar(15)	YES		NULL	
country	varchar(20)	YES		NULL	
address	varchar(30)	YES		NULL	
phone	varchar(20)	YES		NULL	
email	varchar(35)	YES		NULL	
imgPath	varchar(50)	YES		NULL	

3) table bookingInfo: bookingInfo table stores package booking information of users.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	YES		NULL	
packName	varchar(20)	YES		NULL	
totPer	varchar(10)	YES		NULL	
totAmount	varchar(20)	YES		NULL	
phoneNo	varchar(20)	YES		NULL	
emailId	varchar(30)	YES		NULL	
payment_status	varchar(20)	YES		NULL	

4) table customerInfo: customerInfo table stores information of all the customer that've booked packages.

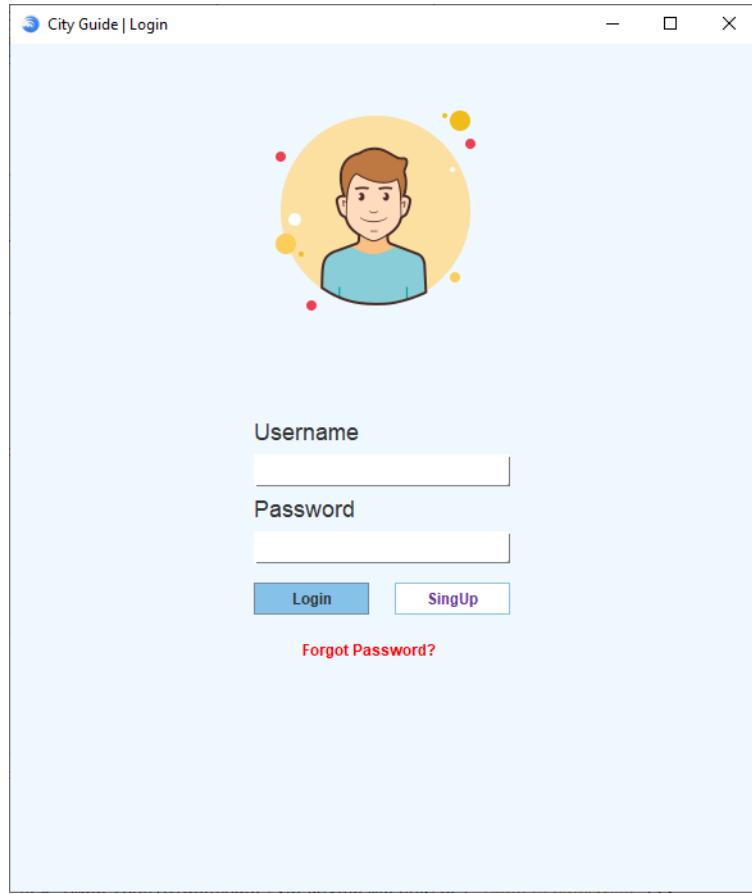
Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
id	varchar(20)	YES		NULL	
idVal	varchar(30)	YES		NULL	
gender	varchar(10)	YES		NULL	
tourname	varchar(30)	YES		NULL	
bookedById	varchar(20)	YES		NULL	

3.5 Output Screenshots

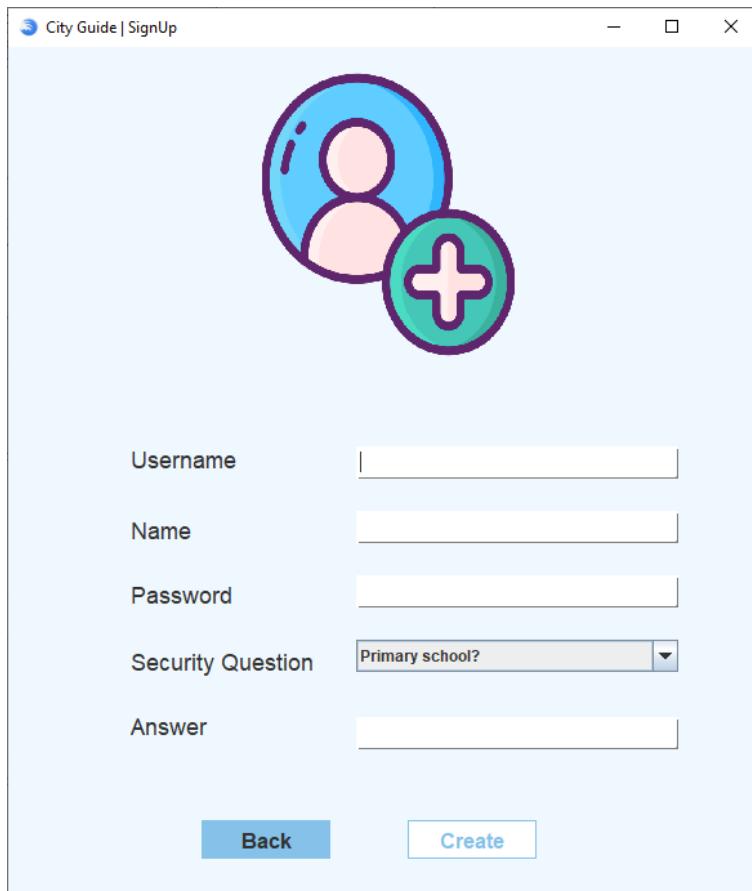
1) SplashScreen



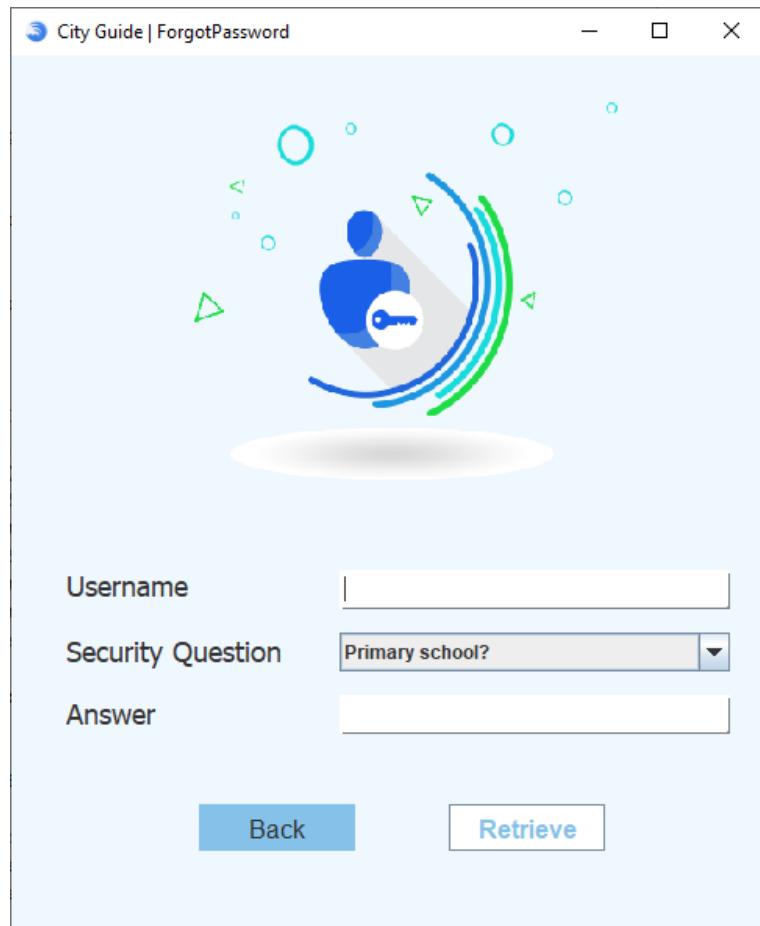
2) Login



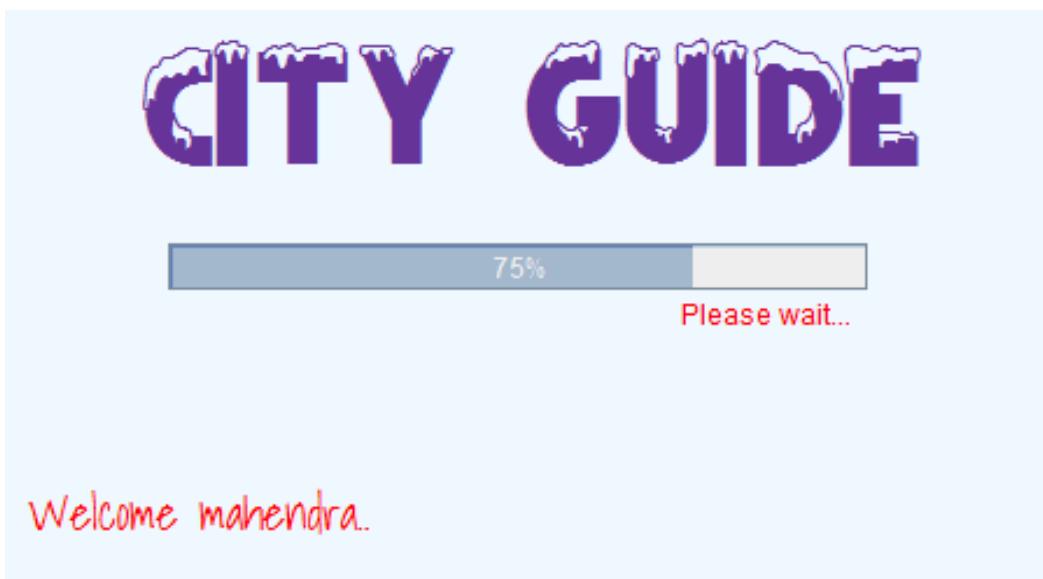
3) Sign Up



4) Forgot Password



5) Loading



6) Dashboard

City Guide

Dashboard

Update Personal Details

View Personal Details

Explore Packages

View Booked Packages

Delete Account

About



"The life you have led doesn't need to be the only life you have"

7) Update Personal Details

City Guide | Update Personal Details



Browse image..

Username	<input type="text" value="mahendra"/>
Name	<input type="text" value="mahendra yadav"/>
ID	<input style="width: 100px; border: 1px solid #ccc; padding: 2px; border-radius: 4px;" type="text" value="Passport"/> ▼
Passport No.	<input type="text"/>
Gender	<input style="width: 100px; border: 1px solid #ccc; padding: 2px; border-radius: 4px;" type="text" value="Male"/> ▼
Country	<input type="text"/>
Address	<input type="text"/>
Contact No.	<input type="text"/>
Email Id	<input type="text"/>

Back Save

8) View Personal Details

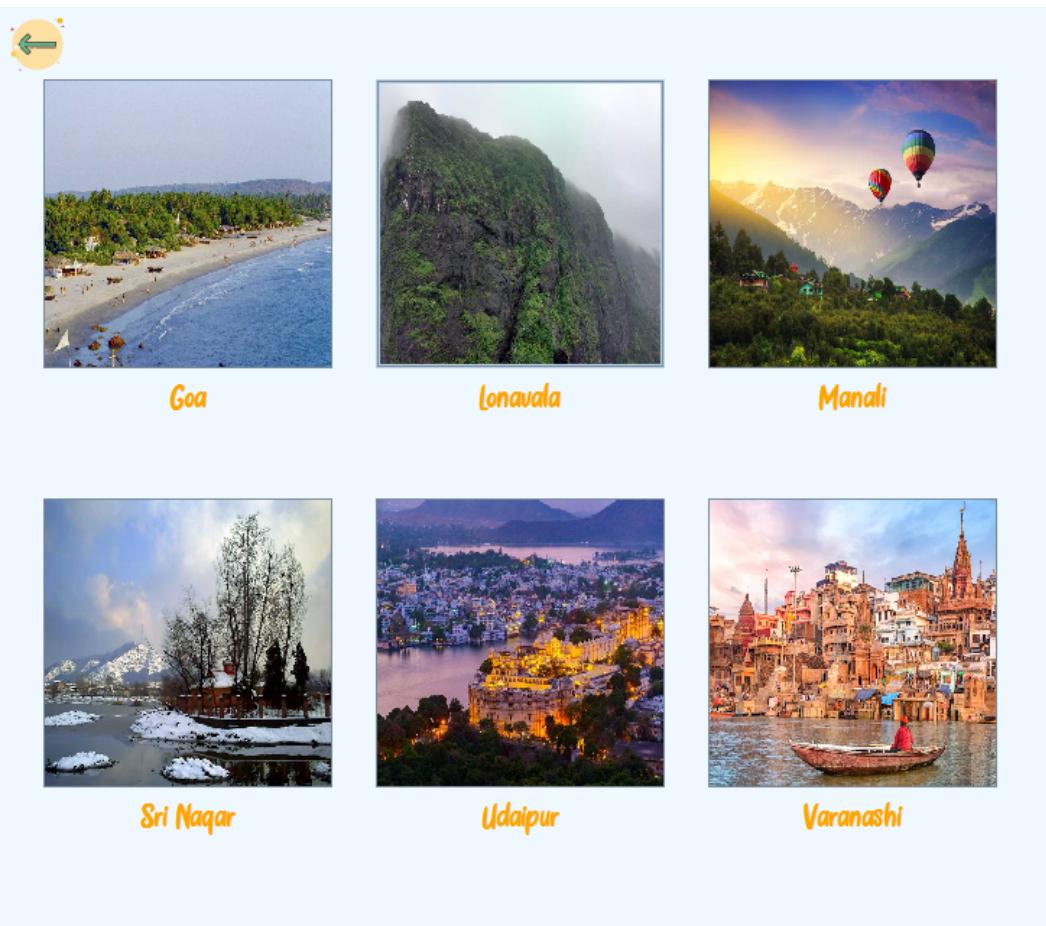
City Guide | View Personal Details



Username	mahendra
Name	mahendra yadav
ID	Aadhar Card
Aadhar Card No.	316454165
Gender	Male
Country	India
Address	Thane
Contact No.	61456513
Email Id	dfjkaaaaacs@gmail.com

Back

9) Explore Packages



10) Display Packages

"A one of its kind, this place is known for its irreplaceable grandeur and plush signature features. The fountains of ecstasy, Sahyadri peaks and the historic Koyarigarh fort offer a spectacular view of the grand Aambey valley city."

[CHECK DETAILS](#)

11) Tour Details

7 Days & 6 Nights Lonavala Tour

Best Price @ 10,999/- per person

Cost Includes:

- > ACCOMMODATION ON TWIN SHARING BASIS.
- > MEAL PLAN (PLEASE REFER COST SHEET)
- > EXCLUSIVE NON A/C VEHICLE FOR TRANSFERS & SIGHTSEEING.
- > ALL PERMIT FEES & HOTEL TAXES (AS PER ITINERARY).
- > RATES ARE VALID FOR INDIAN NATIONALS ONLY.

Cost Excludes:

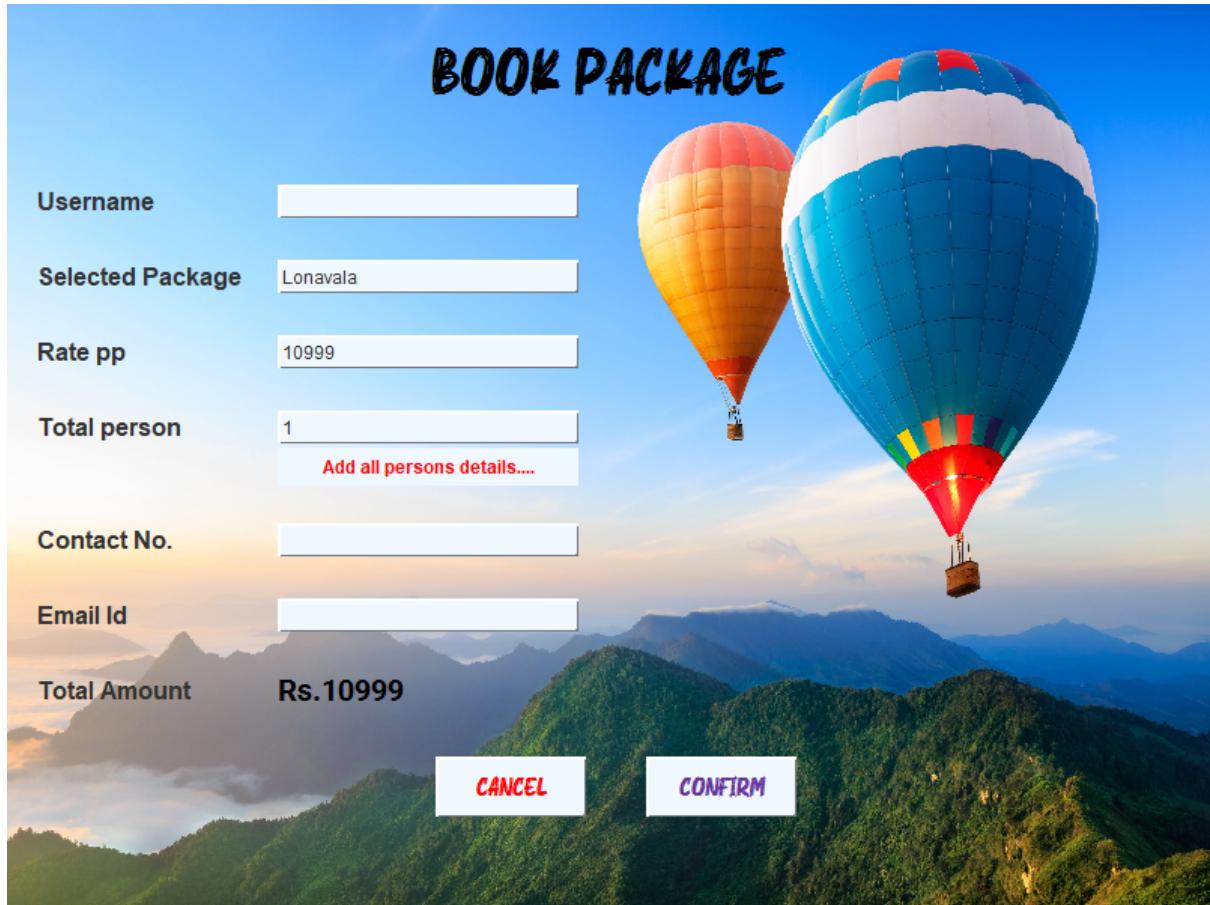
- > AIR FARE / TRAIN FARE.
- > PERSONAL EXPENSES SUCH AS LAUNDRY, TELEPHONE CALLS, TIPS & GRATUITY, ETC.
- > ADDITIONAL SIGHTSEEING OR EXTRA USAGE OF VEHICLE.
- > SERVICE TAX 5.09 %
- > TRAVEL INSURANCE.
- > ANYTHING WHICH IS NOT INCLUDE IN THE INCLUSION.

Cancellation Policy

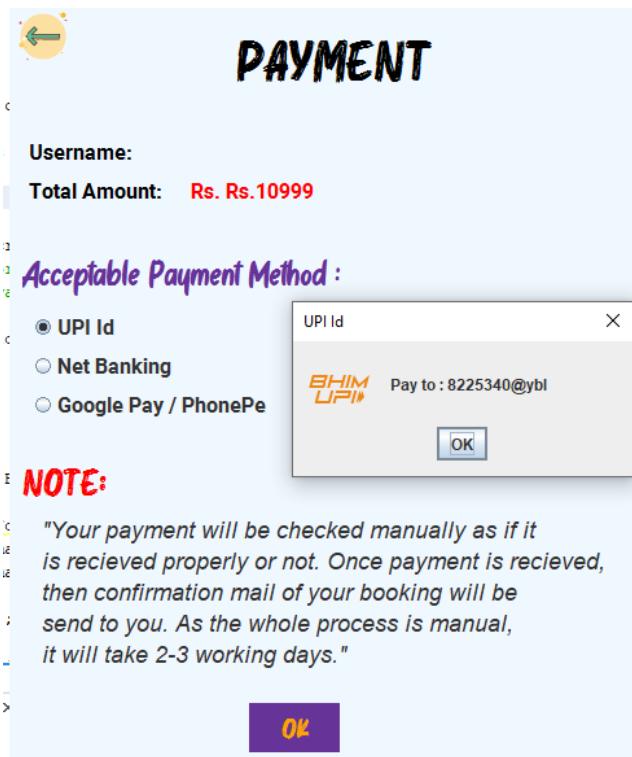
- > MINIMUM CANCELLATION IS RS. 1000 PER HEAD.
- > 25% BETWEEN 30-20 DAYS BEFORE TOUR DEPARTURE AND AFTER THAT 50%.
- > 100% ON THE SAME DAY & NO SHOW.
- > CANCELLATION CHARGES AS % OF TOTAL TOUR COST.

[BOOK NOW](#)

12) Book Package



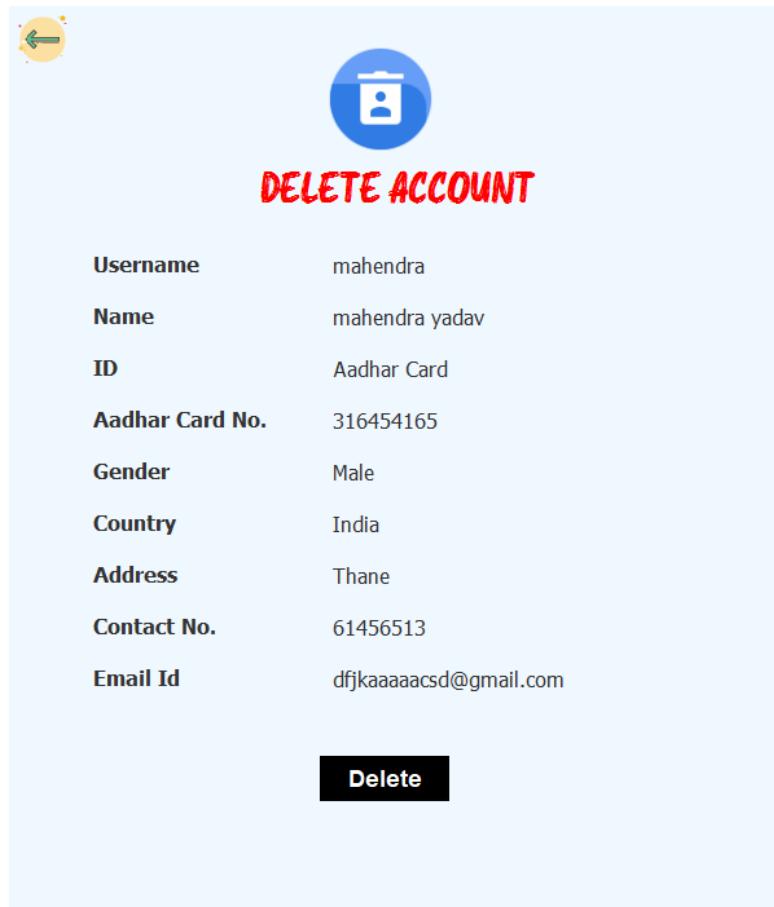
13) Payment



14) View Booked Package



15) Delete Account



16) About

A screenshot of a mobile application interface titled "CITY GUIDE". It features a "About Project" section with the following content:

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 the purpose is to design a system using which one can perform all operations related to traveling.

This application will help in accessing the information related to the travel to the particular destination with great ease. The users can track the information related to their tours with great ease through this application. The travel agency information can also be obtained through this application.

Advantages of Project:

- Gives accurate information
- Simplifies the manual work
- It minimizes the documentation related work
- Provides up to date information
- Friendly Environment by providing warning messages.
- travelers details can be provided
- booking confirmation notification

4. Conclusion

- City Guide application is a travel app which provides the relevant information to the tourists. Such information contains nearby places to visit, popular attractions, etc.
- It helps you organize the travel plans, which includes adding and updating of details, and it will give accurate information and simplifies manual work and also it minimizes the documentation related work. Provides up to date information.
- The application will do all of the planning for your trip, including making reservations. This leaves you with more time to enjoy your vacation.

5. Future work

- New cities will be added.
- Customer will also be able to customize their packages according to them.
- Payment process will changed from manual to online.

6. References

YouTube:

https://www.youtube.com/playlist?list=PL5BFcXE899zz6zmVe-Z-y4o_a92-kC-9e

Documents:

https://www.researchgate.net/publication/338443623_Mobile_Application_Development_for_Tourist_Guide_in_Pekanbaru_City

<https://www.mdpi.com/2220-9964/8/9/381/htm>

<https://www.emerald.com/insight/content/doi/10.1108/JHTT-12-2016-0087/full/html>

