Atmanand Saraswati Science College

Bachelor of Computer Application Programme

(T.Y.B.C.A. SEMESTER - V)

Project Report

On

Online Bus Booking Management System

(Khodal Tour & Travels)

Submitted By:

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Exam No.: 6663

Roll No.: BCA21080

Guided By:

Mrs. Chitra Gohil

Atmanand Saraswati Science College

C E R T I F I C A T E

This is to certify that Mr./Ms. **Sutariya Krishna Rameshbhai** examination number **6663** has satisfactorily completed his / her minor project work entitled **Online Bus Booking Management System (Khodal Travels)** as partial fulfilment of requirements for T.Y.B.C.A. Semester – V, during the academic year 2023-24.

Date: 17/06/2021
Place: Surat

(Dr. Shailesh C. Padsala)
I/C Principal
Atmanand Saraswati Science College,
Surat

ACKNOWLEDGEMENT

I would like to express my gratitude and appreciation to all those who gave me the possibility to complete this project. Special thanks are to my mentor **Chitra Gohil** whose help, stimulating suggestions and encouragement helped me in all time of fabrication process and in writing this report. I also sincerely thanks for the time spent proofreading and correcting my many mistakes.

I would also like to acknowledge with much appreciation the crucial role of the staff in B.C.A. Laboratory, who gave me a permission to use the lab equipment and also the machine and to design the drawing and giving a permission to use all the necessary tools in the laboratory.

Many thanks go to the all lecturers who have given their full effort in guiding me in achieving the goal as well as their encouragement to maintain our progress in track. My profound thanks go to all classmates, especially to my friends for spending their time in helping and giving support whenever I need it in fabricating my project.

ABSTRACT

Online Bus Booking Management System is a Web based application that works within a Centralized network. This project presents a review on the software program **"Online Bus Booking Management System"** as should be used in a bus transportation system, a facility which is used to Reserve seats and different types of route enquiries used on securing Quick reservations.

OBBMS is built for managing and computerizing the traditional database, Ticket booking and tracking bus and travel made. It maintains all customer details, bus details, Reservation details. In addition, PHP Hypertext Pre-processor (PHP) Language was used for the front- end of the software while the back end was designed using MySQL.

The software achieved is capable of improving the customer hand and relationship Management in ITC operations. It is recommended that despite the present functionality of the Designed software, an additional functionality such as the use of E-mail to send tickets should be implemented into the system.

Table of Content

1. Introduction

- Online bus booking management system is a system designed primarily for use in tour and travels for manage passenger and employee.
- This system is fully responsive or mobile friendly and have a good-looking user interface.
- Online bus booking management system have contained two panels:

  - Admin panel
  - Passenger panel

- **Admin** :-

  - Login
  - Dashboard
  - View all passenger profile
  - Manage all buses & bus stations
  - Show current booking all buses

- **Passenger** :-

  - Home
  - Registration and login
  - View details
    - Bus
    - Bus station
  - Search or sort by
    - Bus name
    - Bus category
    - Price
  - Book ticket (max. 6)
  - Select bus sheets by client manually
  - Print ticket as pdf

2. Environment Description

2.1 Hardware Requirements

- **Server**: 4-core CPU 8GB RAM, 250GB SSD Storage.
- **Client**: Any standard computer or mobile device with internet connectivity.

2.2 Software Requirements

- **Server**: Windows OS, MySQL, PhpMyAdmin,
- **Client**: Modern web browsers like Chrome, Firefox, Edge, Safari

3. System Analysis and Planning

3.1 Existing System and its drawbacks

Existing System:

The prevailing bus booking management platforms in the current market offer basic functionalities, such as user registration, booking buses, trace tickets, user profile management etc.

Drawbacks:

3.1.1 Limited Customization:

User are often restricted to predefined themes and cannot customize the layout or appearance of their tickets extensively.

3.1.2 Security Vulnerabilities:

Older bus booking management platforms often face security issues, making them prone to hacks and unauthorized data breaches.

3.1.3 Lack of integration :

Modern users prefer platforms that can be integrated with other platforms, which many existing system lack.

3.1.4 Performance Issues:

With increasing user loads, the system often becomes sluggish. This is mainly due to the non-scalable architecture of many existing system.

3.2 Feasibility study

In the conception of our new bus booking management platform, a feasibility study was carried out to determine the viability of the project:

3.2.1 Technical Feasibility:

With the use of modern languages like PHP and MySQL, the proposed system is technically feasible. The open-source nature of these technologies ensures that the platform can easily integrate newer feature in the future.

3.2.2 Economic Feasibility:

Given that the project leverages open-source tools and platforms, the initial cost is significantly reduced. The use of cloud-based solutions can ensure that the operating costs remain manageable, with the flexibility to scale as required.

3.2.3 Operational Feasibility:

The proposed system is designed with a user-centric approach, ensuring that the transition from existing systems is smooth. Training resources and documentation will be provided, making it operationally feasible for both technical and non-technical users.

4. Proposed System

4.1 Scope

The platform aims to provide a seamless experience for users to search buses, book ticket, trace tickets by booking id, and maintain their profiles.

4.2 Project Modules

1. Search Bus Module
2. Book Bus Module
3. Trace Ticket Module
4. Contact Module
5. Profile Update Module

4.3 Module wise objectives and functionalities

1. Search Bus Module :
   This module is responsible to search the buses by passenger's choice and search bus with their journey date and return date (optional).

2. Book Bus Module :
   This module provides functionalities related to creating, reading, updating, and deleting (CRUD) bus booking.

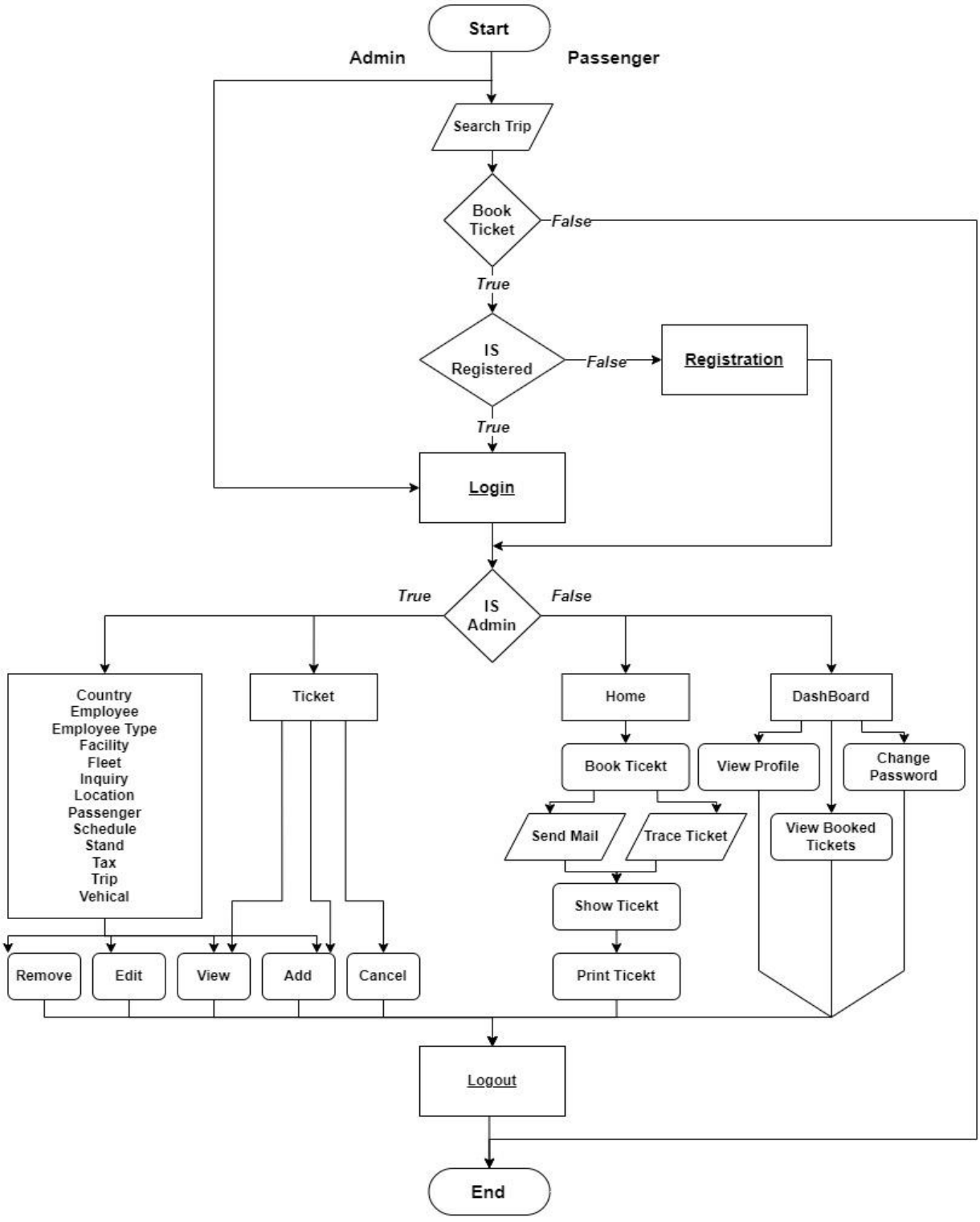
3. Trace Ticket Module :
   This module provide options for passengers to view and print booking details and tickets of particular booked tickets.

4. Contact Module :
   This module is responsible to contact for administrator to the particular website or owner of projects.

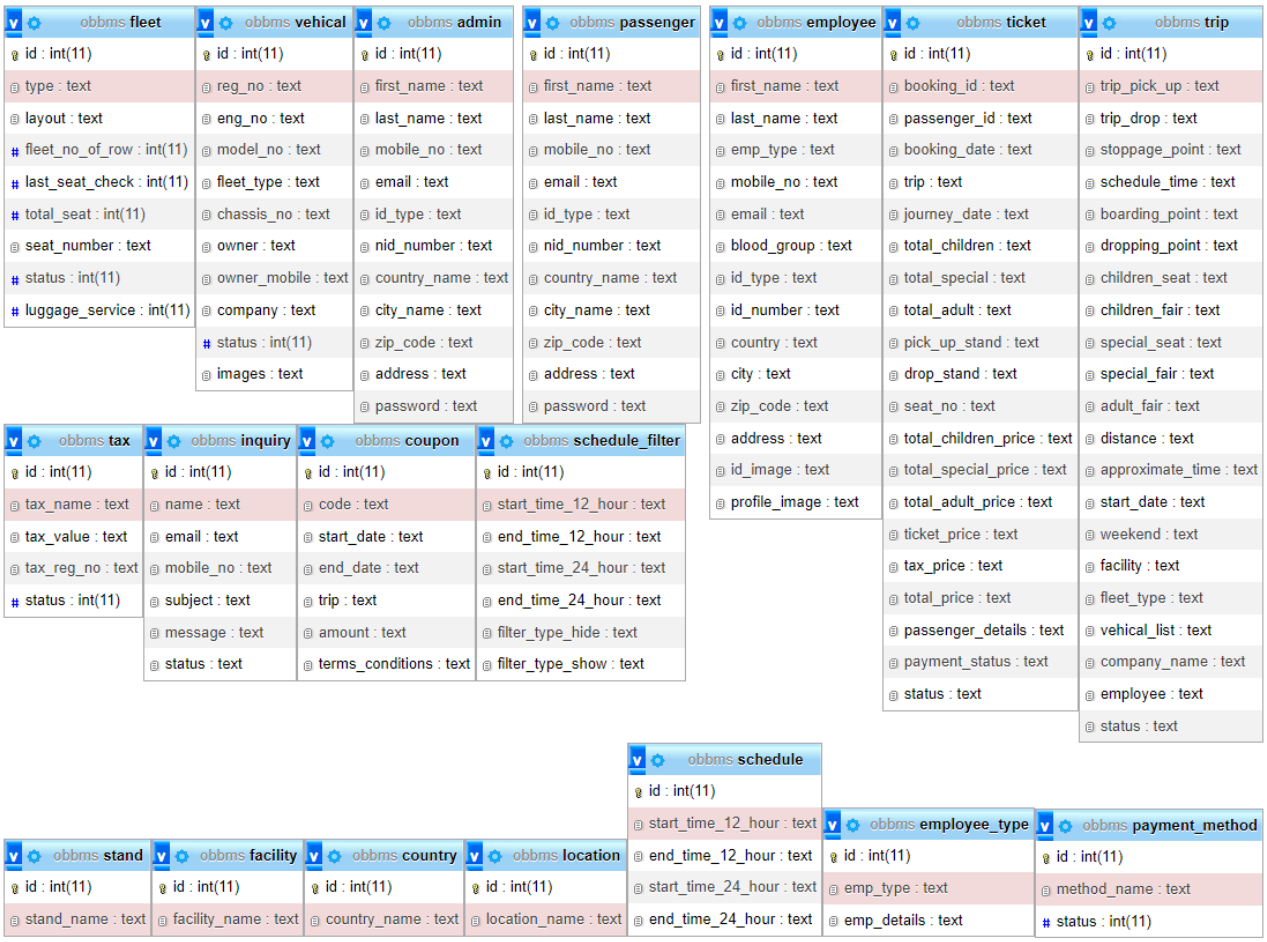
5. Profile Update Module :
   This module provide options for passengers to update and modify profile details, change the password and view booking or cancel booking details.

5. Detail Planning

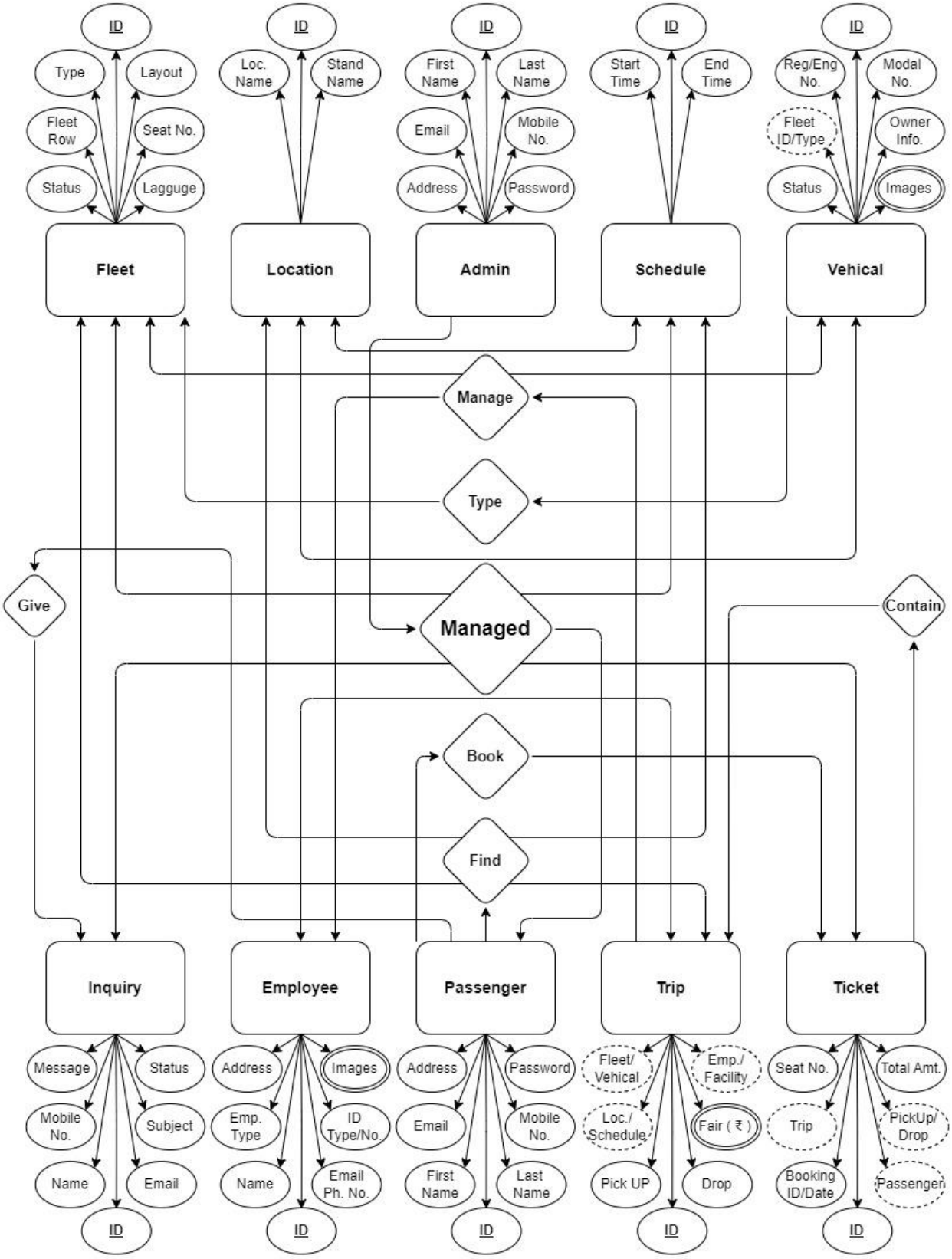
5.1 Data flow diagram



5.2 Data Dictionary

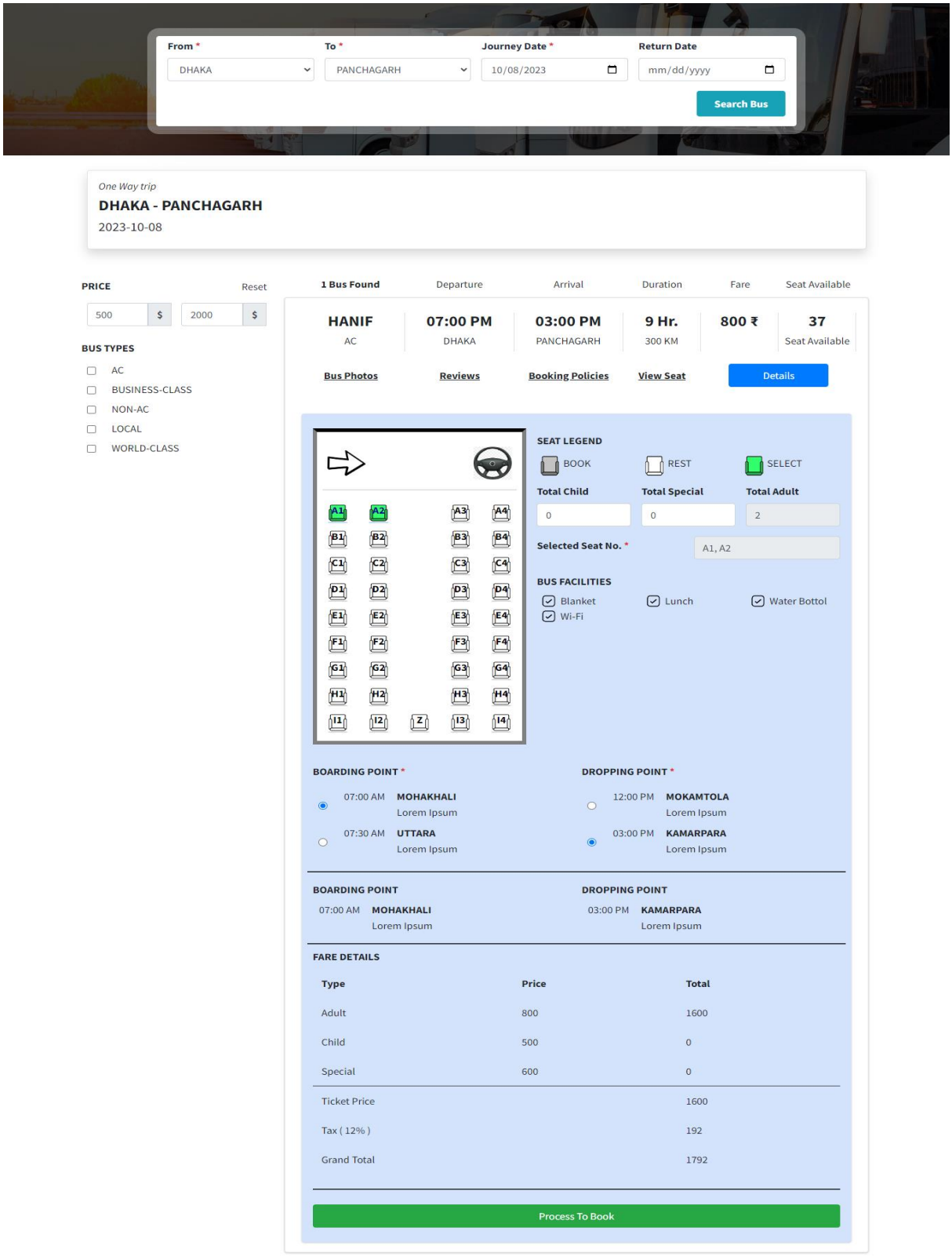


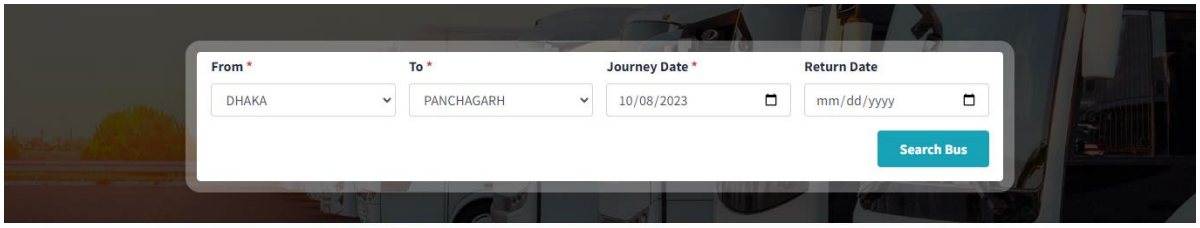
5.3 Entity – Relationship diagram



6. System Design

6.1 Input Design





Travel Details

Email * krishnar.sutariyarskd154@gmail.com

Mobile No. * 8264170570

Your booking details will be sent to this **email address** or **mobile number**.

Passenger 1 :-

Mobile No. * 08264170570

Email * krishnar.sutariyarskd154@gmai

First Name * Sutariya

Last Name * Krishna

ID Type UID

NID/Passport No. 1234567890

Country Name * INDIA

City Name Kapodra

ZIP Code. 395010

Address * 154,Raj Mandir Soc, Savaliya Circal, Yogi Chowk, Surat. - 395010

Passenger 2 :-

First Name * Sutariya

Last Name * Divyang

Mobile No. * 08264170570

NID/Passport No. 2345678901

Payment Details :-

Payment Status * Paid

Amount To Pay 1792

BOOK TICKET

Summary

Fare Summery

2 Adult
0 Children
0 Special

Base Fare	₹ 1600
Tax	₹ 192
Total Amount	₹ 1792

Apply Discount

Have a Discount/ Promio code to Redeem

Promo Code Apply

Mandatory check-list for passengers:

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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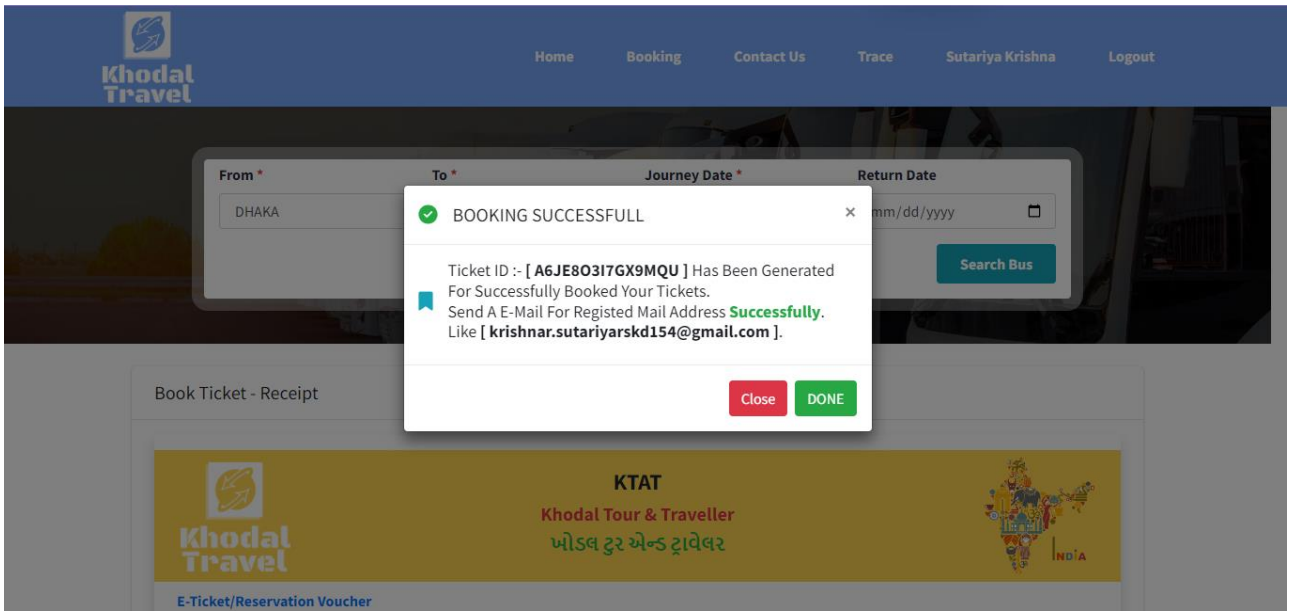
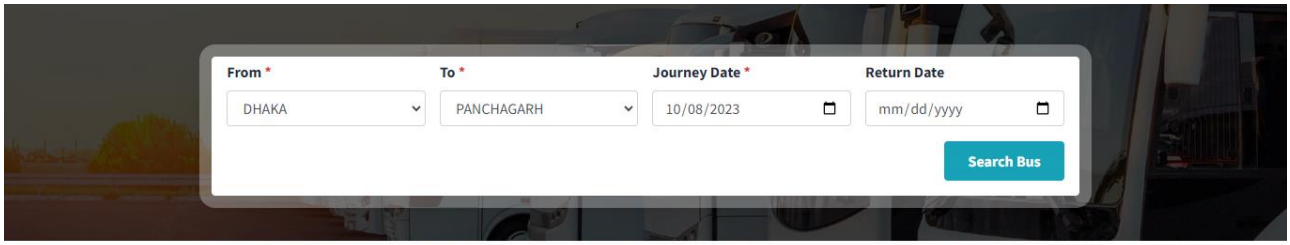
6.2 Output Design





Book Ticket - Receipt

Khodal Travel

KTAT

Khodal Tour & Traveller

ખોડલ ટુર એન્ડ ટ્રાવેલર

INDIA

E-Ticket/Reservation Voucher

MOBILE NO.	08264170570	**EMAIL ID.**	krishnar.sutariyarskd154@gmail.com
BOOKING ID	A6JE8O3I7GX9MQU		
JOURNEY FROM	DHAKA	**JOURNEY DATE**	08-10-2023
ARRIVAL TIME	07:00 PM	**JOURNEY TO**	PANCHAGARH
PICKUP POINT	MOHAKHALI	**DEPARTURE TIME**	03:00 PM
NO. OF SEAT	2	**DROP POINT**	KAMARPARA
NID TYPE	UID	**SEAT NO.**	A1, A2.
		STATUS	**ACTIVE**

Passenger Information

No.	Passenger Name	Mobile No.	NID Number
1.	Sutariya Krishna	08264170570	1234567890
2.	Sutariya Divyang	08264170570	2345678901
3.	—	—	—
4.	—	—	—
5.	—	—	—
6.	—	—	—

Total Fare Details

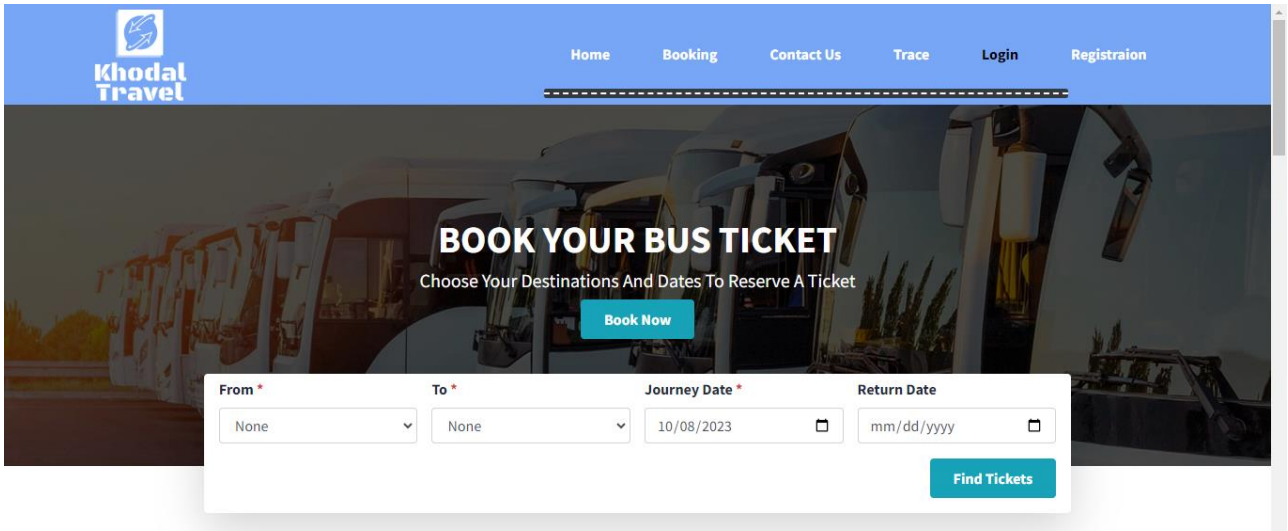
CHILDREN FARE	0 ₹
SPECIAL FARE	0 ₹
ADULT FARE	1600 ₹
BASIC FARE	1600 ₹
GST (12%)	192 ₹
TOTAL FARE	**1792 ₹**

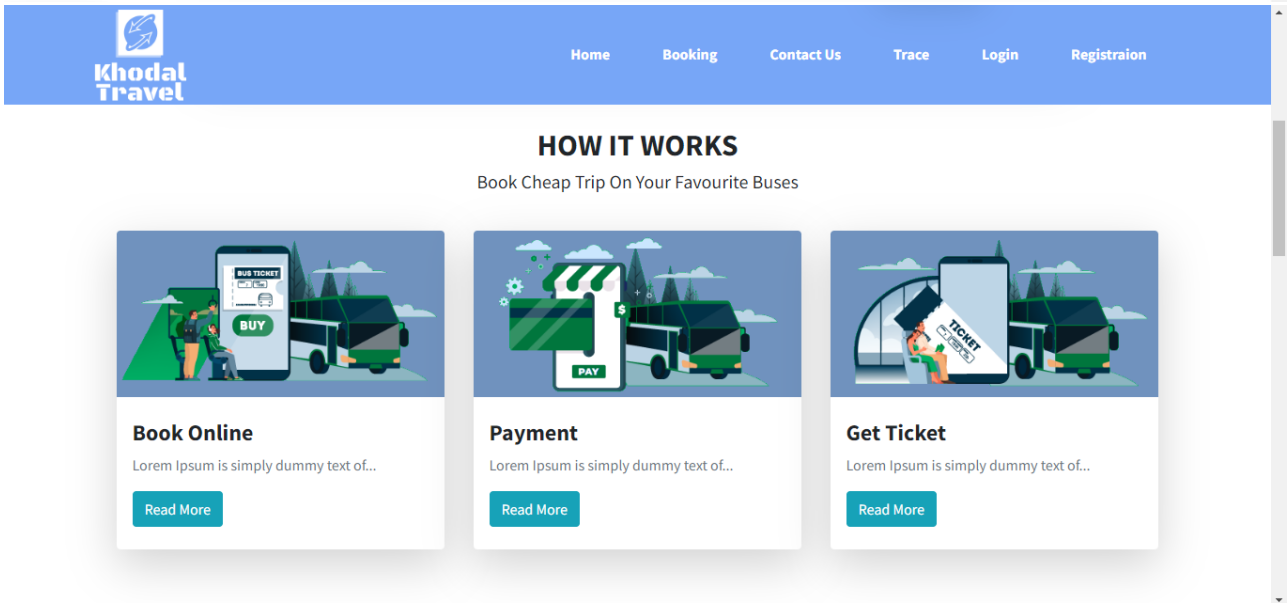
Important

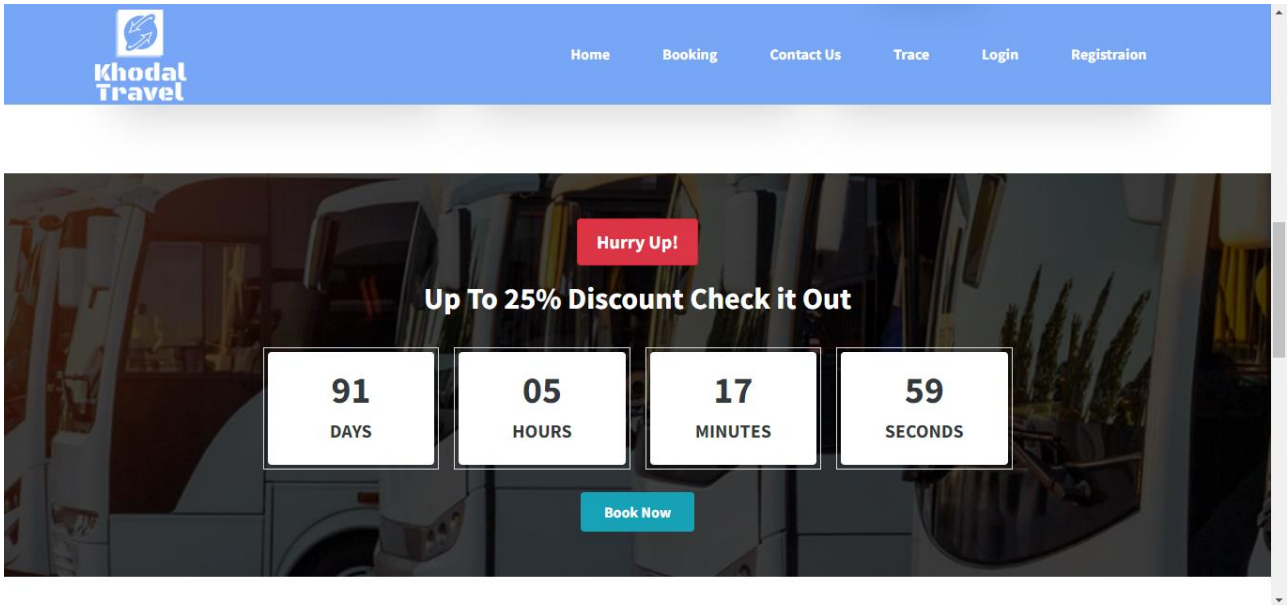
- The seat(s) booked under this e-ticket is/are not transferable.
- This e-ticket is valid only for the seat number and bus service specified herein
- This e-ticket print out has to be carried by the passenger during t h e journey along with Original Photo ID Card of the passenger whose name appears above.
- Please keep the e-ticket safely till the end of the journey.
- Please show the e-ticket at the time of checking.
- **RKTAT** reserves the rights to change/cancel the class of service
- Passengers will have to pay the difference amount at boarding time in case of fare / levies / taxes revision as and when applicable. The difference amount will be calculated on charged fare and new fare / new levy / revised tax.
- Passenger can take print of Ticket or SMS from **RKTAT.IN**

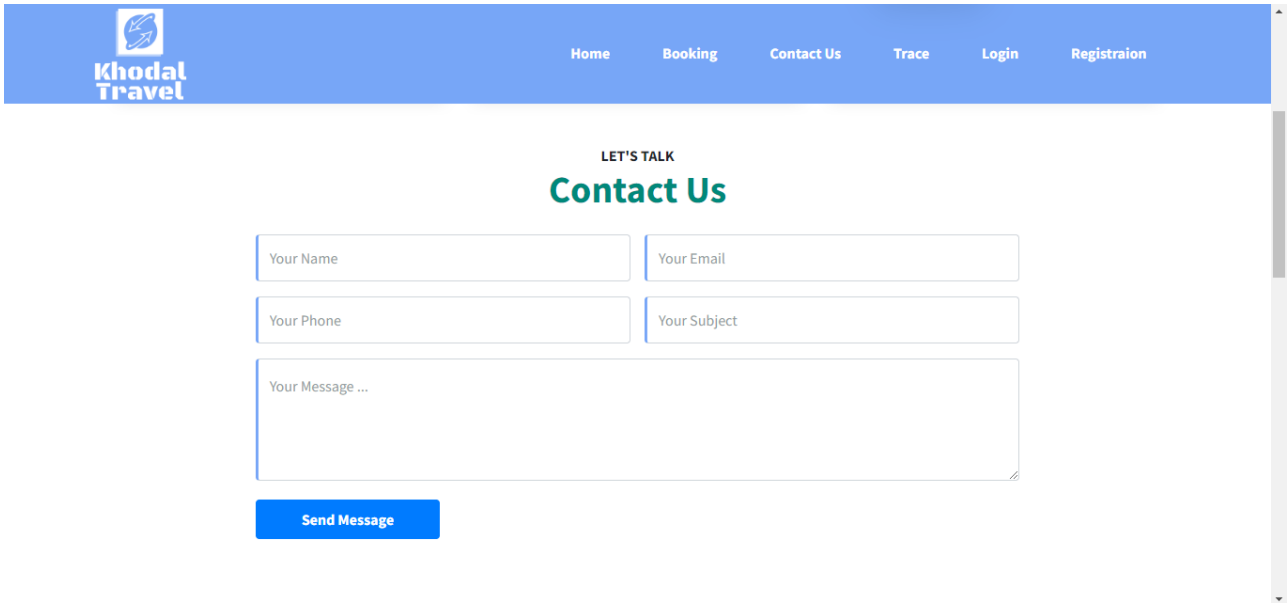
BACK PREVIEW PRINT

6.3 Screenshots Of the system








Khodal Travel
Home
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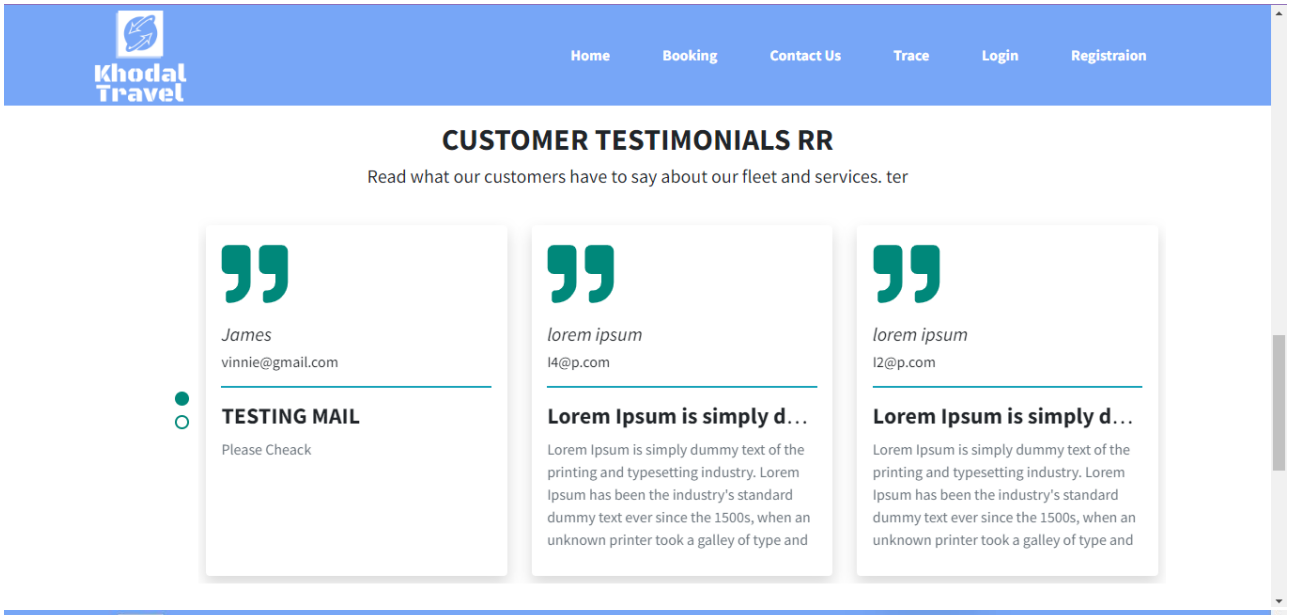
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vinnie@gmail.com
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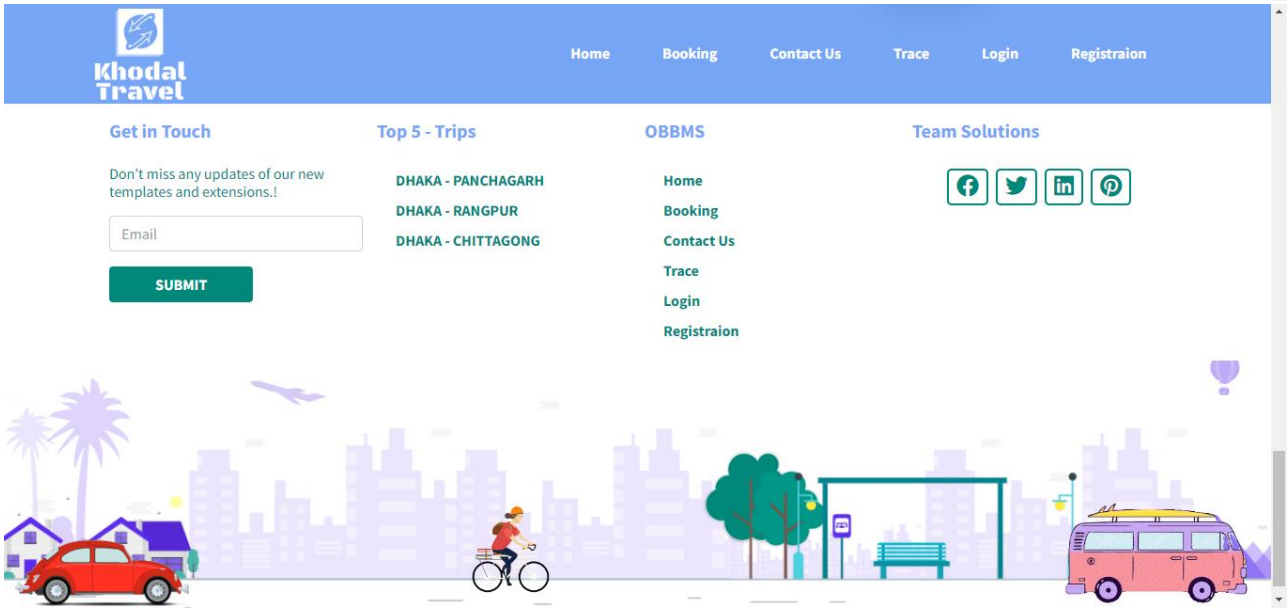
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Booking
Contact Us
Trace
Login
Registraion
Get in Touch
Don't miss any updates of our new templates and extensions.!
Email
SUBMIT
Top 5 - Trips
DHAKA - PANCHAGARH
DHAKA - RANGPUR
DHAKA - CHITTAGONG
OBBMS
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Contact Us
Trace
Login
Registraion
Team Solutions

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Home Booking Contact Us Trace Login Registraion

FIND US

Contect Info

USA Headquarter

304 NW St Homestead, Florida, Melrose Street, Water Mill, 76B Overlook Drive Chester, PA 19013, Flemingsburg USA.

080 707 555-321
demo@example.com

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1540 Pecks Ridge Tilton Rd Flemingsburg, Kentucky(KY), 4104188 Fulton Street Blackwood, NJ 08012, London.

080 707 555-321
demo@example.com

Panama Office

103 Richard Ave Ashville, Ohio, Water Mill,3468 16th Hwy Pangburn, Arkansas(AR), Charolais Ashville, Virginia, Panama.

080 707 555-321
demo@example.com

Khodal Travel

Home Booking Contact Us Trace Login Registraion

Find Us on Google Map

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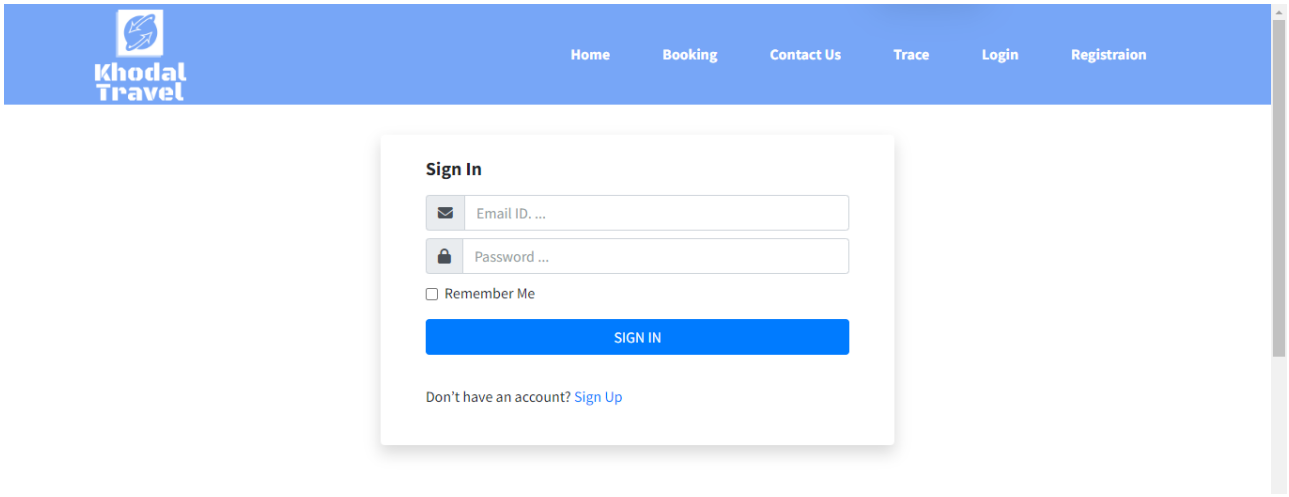
Home Booking Contact Us Trace Login Registraion

TICKET ID : *

Ticket ID. ...

Find Ticket

localhost:8080/Project/OBBMS/trace-ticket.php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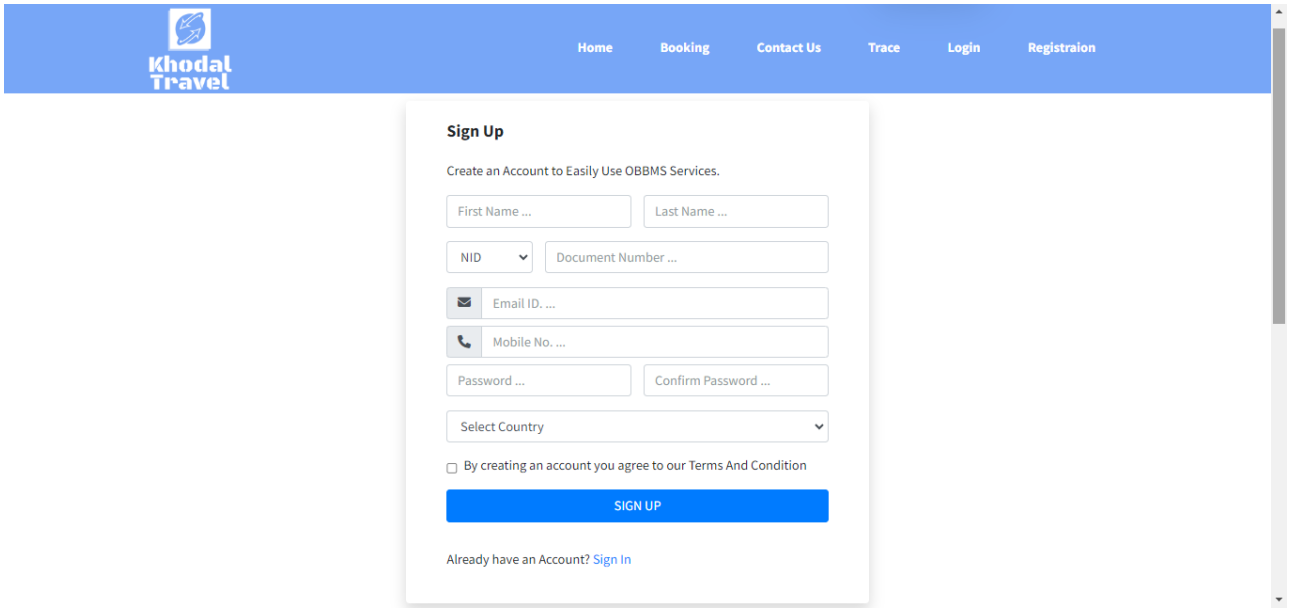
SIGN IN
Don't have an account? Sign Up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Create an Account to Easily Use OBBMS Services.
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Confirm Password ...
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By creating an account you agree to our Terms And Condition
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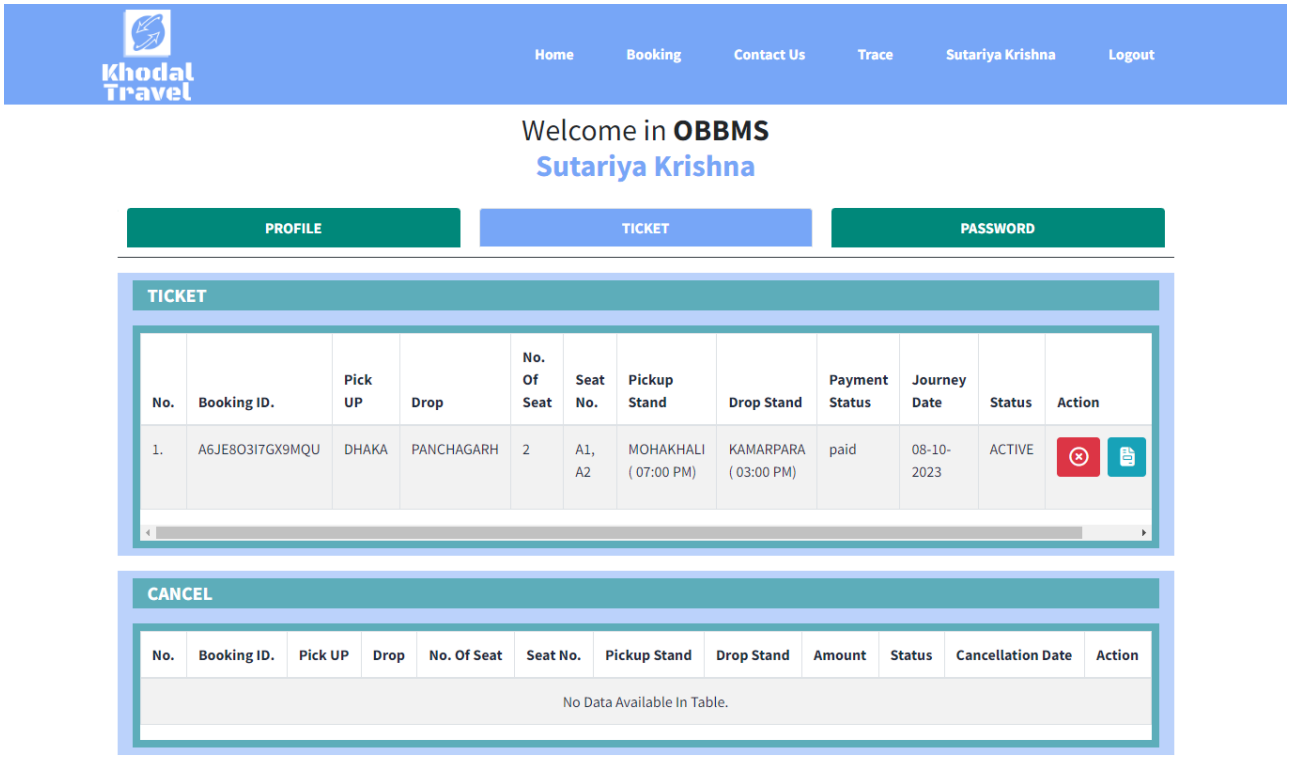
Already have an Account? Sign In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Drop Stand
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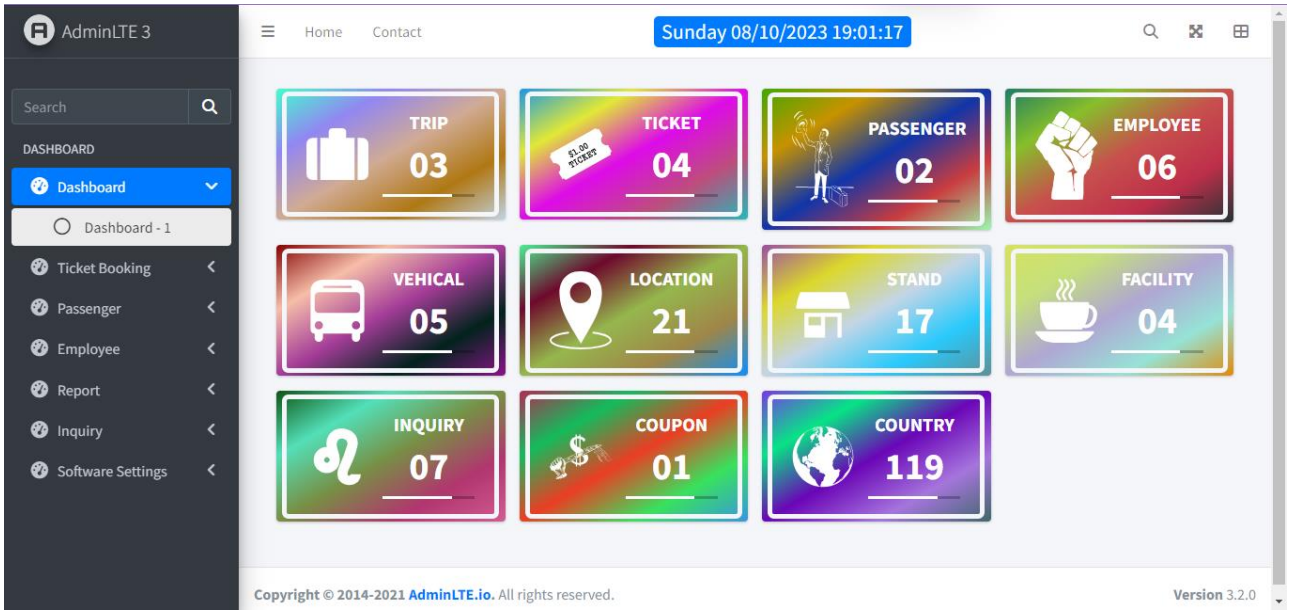
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Employee
Report
Inquiry
Software Settings
TRIP 03
TICKET 04
PASSENGER 02
EMPLOYEE 06
VEHICAL 05
LOCATION 21
STAND 17
FACILITY 04
INQUIRY 07
COUPON 01
COUNTRY 119
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Version 3.2.0

7. Software Testing

The Software testing is an essential phase in the software development life cycle. It's aimed at evaluation an application to detect any discrepancies between the expected output and the actual output of functionalities. For this bus booking management platform.

The bus booking management platform is bug-free, meets the user requirements, and provide a smooth user experience.

1. Unit Testing:
   For the User Profile Module, a unit test could verify that the password hashing function return the expected hashed value for given password.

2. Integration Testing:
   Ensure that after a successful user registration, the user can immediately log in without issues.

3. Function Testing:
   In Booking Bus Module, verify that the 'Search Bus' functionality sort the bus as intended.

4. Security Testing:
   Test the user authentication process to ensure it's resistant to SQL injection attacks.

8. Limitations and Future Scope of Enhancement

Every software system, especially in its initial phases, will have certain limitations. However, recognizing these limitation and planning for future enhancements is a mark of a mature development process.

- **Limitations** :

    1. Feature Limitations:
       The current platform might lack search station support in bus booking, restricting users to find multiple places.

    2. Integration Limitations:
       The platform might not offer integration with popular media platforms or third-party analytics tools in its phase.

    3. Customization Restrictions:
       Users might have limited option for customizing the appearance of their bookings or profiles.

- **Future Scope of Enhancement**:

    1. Feature Enhancements:
        a. Customers Support: Future versions can allow to users embed book buses with search, and other trips content in their buses.
        b. Advanced Commenting System: Introduce threaded comments to allow users to reply to specific comment, enhancing engagement.

    2. Scalability Improvements:
       Optimize the system for better performance and ensure it can handle a larger user base.

    3. Security Enhancements:
       Implement advanced security measures like Two-Factor Authentication (2FA) and regular security audits to ensure the platform is resistant to threats.

9. References

Online Documentation:-

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- https://chat.openai.com/auth/login
- https://bus365demo.bdtask-demo.com
- https://stackoverflow.com
- https://youtube.com
- https://www.000webhost.com

Project:-

- https://online-bus-booking-management-system-php.000webhostapp.com