M- TICKET BOOKING SYSTEM

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Abstract:
This systemithasafacilityabout the analysisandpredictionof train and bus. Passengers can easily see book there ticket as per there convenience. GUI of system is easy to understand by passengers. At one time passenger can book ticket for 5 people. The M-Ticket Book System for Trains and Bus is an automated system designed to simplify and streamline the ticket booking process for train and bus travelers. This system is intended to provide an efficient and convenient solution to booking train tickets. The system includes a user-friendly interface for passengers to book tickets and a backend database for managing and storing passenger information and booking details. This paper presents the development of an M Ticket booking system for bus and train transportation. The proposed system aims to provide a convenient and user-friendly experience for customers to book and purchase their tickets using their mobile phones.

***Keywords*: M Ticket booking system, Bus, Train, Client-server model, Real-time updates, Secure online payments, Instant confirmation, Scalability, User evaluation.**

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INTRODUCTION

The Cloud-Based M-Ticket Booking System, which provides a convenient way for users to book tickets for the train and bus. This system is designed to be user-friendly, that allows users to search for train and bus any by location, date. It also enables users to view the availability of tickets, select their seats, and pay for their tickets. The system also provides users with real-time updates on the status of their bookings and sends them notifications about any changes or updates to their tickets. This helps to reduce the possibility of double bookings or any confusion regarding the event to improve their bookings and sends them notifications about any changes or updates to their tickets. This helps to reduce the possibility of double bookings or any confusion regarding the event. The m-ticket booking system is cloud-based system that enables users to book train and bus tickets through their mobile devices. The system is designed to offer convenience and flexibility to travelers by allowing them to book tickets anytime and anywhere. The cloud-based nature of the system means that it is accessible from anywhere with an internet connection. This makes it possible for users to book without the need to visit a physical booking office or stand in long queues. The m-ticket booking system is designed to be user-friendly and easy to use. It offers a variety of features that make the ticket booking process simple and straightforward. Overall, the m-ticket booking system offers a convenient and efficient way for travelers to book train and bus tickets on the go. With its cloud-based architecture, it provides a reliable and accessible solution for those who need to book tickets quickly and easily.

LITURATURE SURVEY

Author: Nwakanma Ifeanyi Cosmas, Etus C, Ajere I.U. &AgomuoUchechukwu GodswillFindings: - Online Bus Ticket Reservation System is a Web based application that works within a centralized network. This project presents a review on the software program “Online Bus Ticket Reservation System” as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation

and different types of route enquiries used on securing quick reservations. OBTRS 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 order to achieve the design, Imo Transport Company (ITC) was chosen as a case study because of its strategic importance to Imo State. Structured Systems Analysis and Design Methodology (SSADM) was adopted. In addition, PHP Hypertext Preprocessor (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 and notifications to the customer and an online payment using credit cards/debit cards should be implemented into the system. Furthermore, other operations carried by ITC such as the courier services should also be integrated in order to enhance the system.

Author: K.Laxmi Sai Prasanna, K.Shivani , N.Vaishnavi , Ms.P R Anisha , Dr.B V Ramana Murthy &Mr.C Kishor Kumar Reddy Findings: Travelers are a large growing business across all countries. Bus reservation system deals with the maintenance of records of details of each bus. We observed the working of the bus reservation system and after going through it, we got to know that there are many operations, which they have to do manually. It takes a lot of time and causing many errors while data entry. Due to this, sometimes a lot of problems occur and they were facing many problems with the costumers. To solve the above problem, and further maintaining records of passenger details, seat number etc., by this software we can book tickets very easily and we can know easily that how many seats are still available..

Author: Paresh Satoskar, Mayuresh Prabhu, Karan Rajput, Neha Jadhav Findings: - Whole world is facing COVID-19 pandemic problem. The virus is primarily spread among people during close contact, most often through small droplets produced by coughing, sneezing and talking. The World Health Organization advised to wash hands, wear masks, maintain social distance, and disinfect personal belongings for preventing spread of corona virus. Motive to work on this prototype is that to maintain social distancing while travelling in state transport bus system. Because of the pandemic situation, bus transport system allowed only limited number of persons to maintain social distancing. This system does the reservation by following the social distance norm. The unit of reservation system is kept on state transport bus station. Here the passenger can purchase ticket using NFC Card. The passenger swipes the NFC Card and then selects the destination. The seat number will be allocated keeping in mind social distancing norms.

Author: Sourodeep Chatterjee,Soham Das, Divisha; Bhaskar Goswami; Pallab Nag; Chittaranjan PradhanFindings: This paper includes facilities for the Indian Railway Reservation System, such as dynamic seat allocation and real time charting. Real Time Charting provides additional benefits to both the passenger and the TTE. Using the proposed system, TTE can allocate seat dynamically if the seat is vacant while in transit and at the same time a passenger can also book a ticket until and unless the train has left the boarding station. The entire transaction will be stored in the central system which regulates and automates the proposed model. It also provides seat booking layout so that passengers can book seat of their choice on the relative place in the coach. The entire process is network efficient, thus our proposed system has bare minimum requirement for internet connectivity.

AIM & OBJECTIVES

1. The primary objective of this system is to provide a hassle-free and efficient method for booking train tickets for passengers. Additionally, this system aims to:

- Reduce the time and effort required for booking train tickets.
- Automate the ticket booking process to improve efficiency.
- Ensure accuracy in ticket booking details.
- Provide a secure system for storing passenger data and ticket booking information.

MOTIVATION

A ticket booking system makes it easy for passengers to book their tickets from anywhere and at any time, without having to visit a ticket counter physically. With a ticket booking system, the process of booking tickets becomes faster and more efficient, reducing waiting times and queues at ticket counters. A ticket booking system can help increase revenue for transportation companies by making it easier for passengers to book tickets, which can lead to more bookings and increased profitability. Offering a convenient and efficient ticket booking system can help retain customers and improve customer satisfaction, leading to increased loyalty and repeat business. A ticket booking system for buses and trains can be highly motivated due to the convenience, efficiency, revenue potential, customer retention, and data analysis benefits it can offer.

SYSTEM ARCHITECTURE

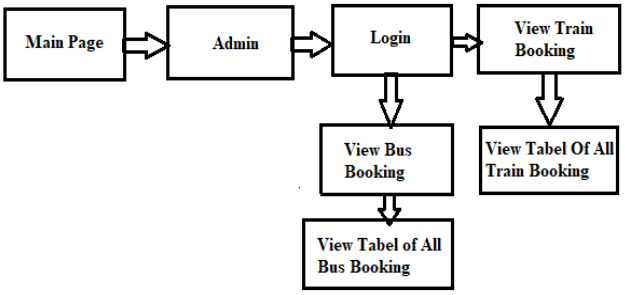


Fig -1: System Architecture Diagram (Admin Module)

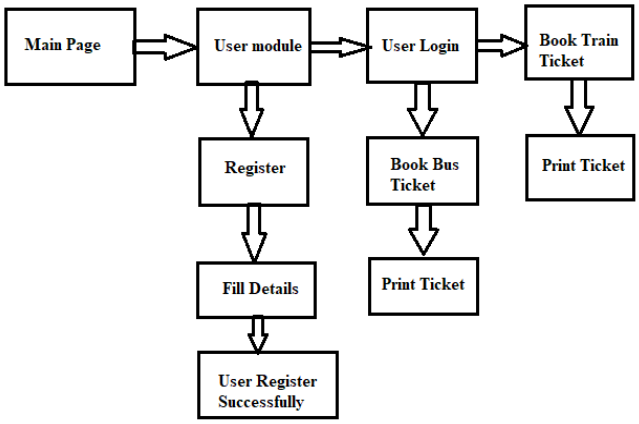
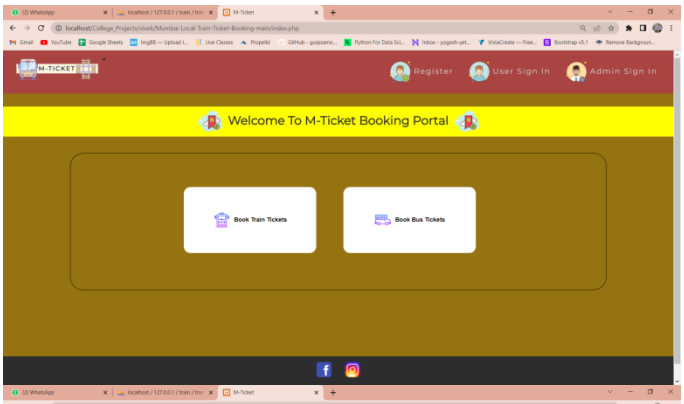


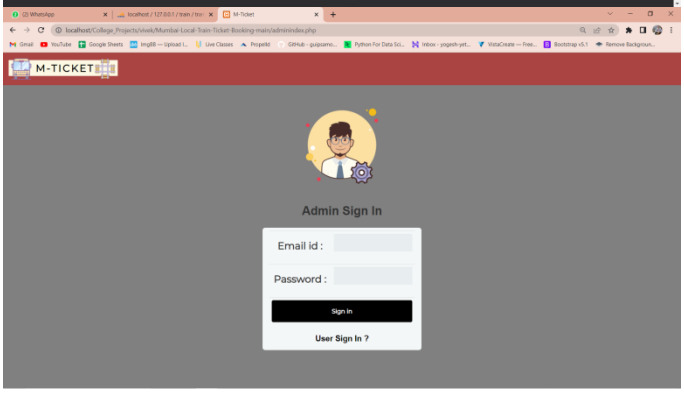
Fig -2: System Architecture Diagram (User Module)

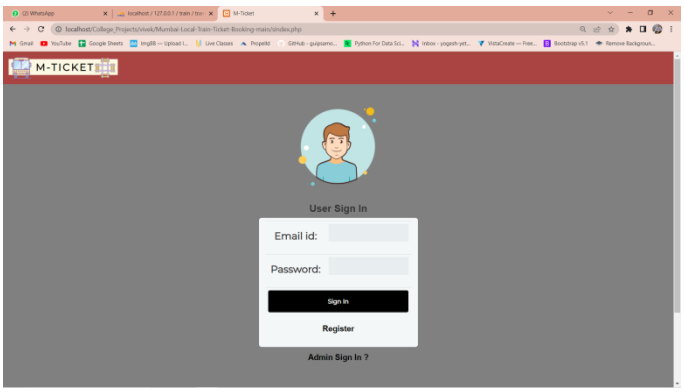
APPLICATION:

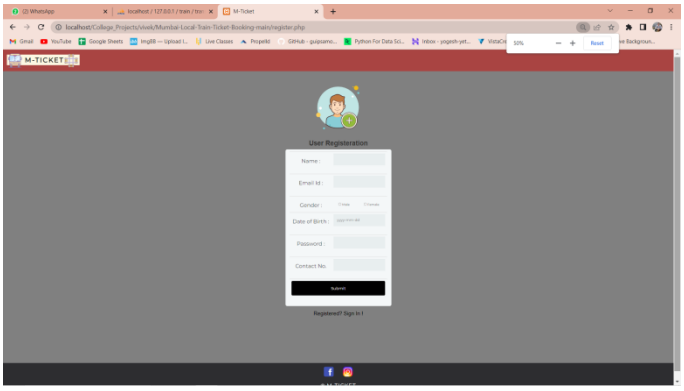
- Main Page
- Admin Login
- Admin Dashboard
- User Login
- User Dashboard

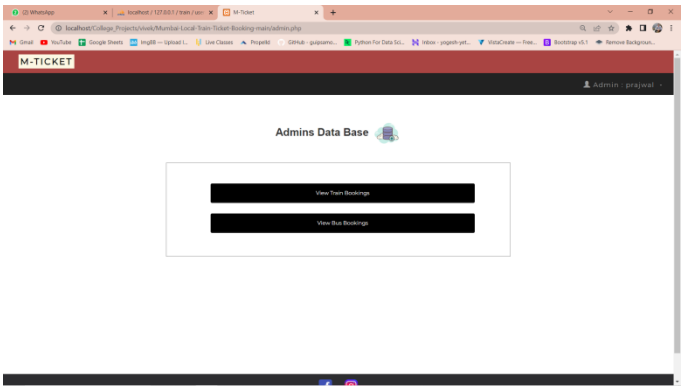
RESULT

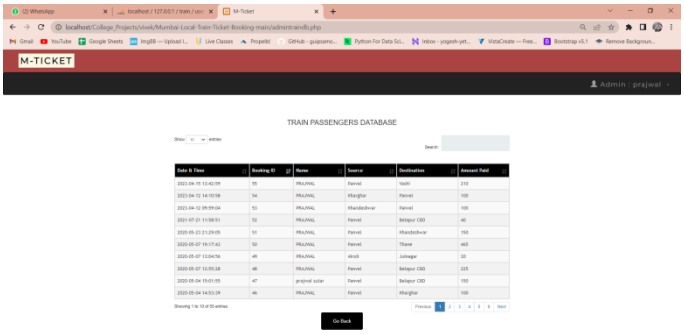

M-TICKET
Register
User Sign In
Admin Sign In
Welcome To M-Ticket Booking Portal
Book Train Tickets
Book Bus Tickets

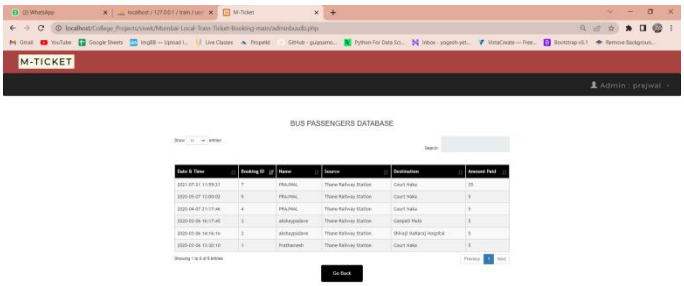

M-TICKET
Admin Sign In
Email id :
Password :
Sign in
User Sign In ?

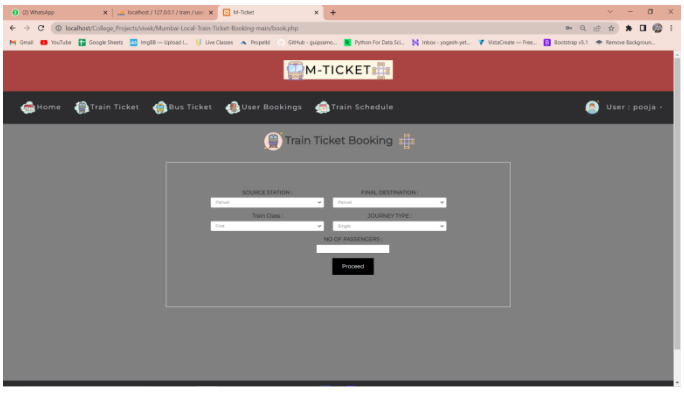

M-TICKET
User Sign In
Email id:
Password:
Sign in
Register
Admin Sign In ?

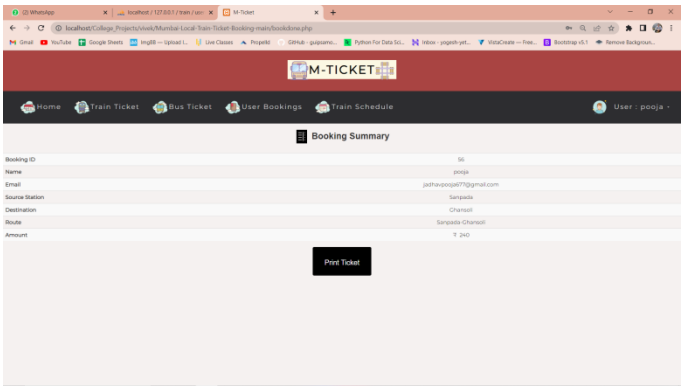

M-TICKET
User Registeration

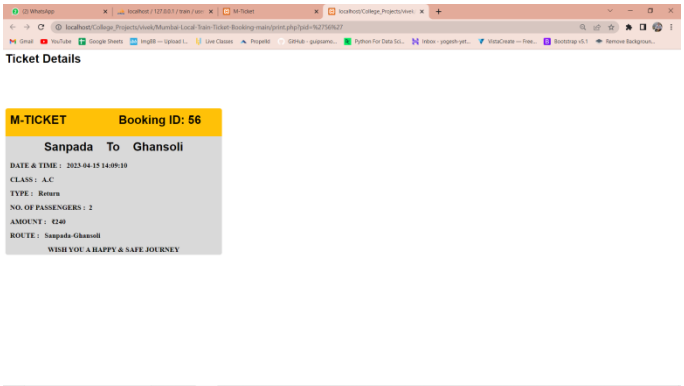

M-TICKET
Admin : prajwal
Admins Data Base
View Train Bookings
View Bus Bookings

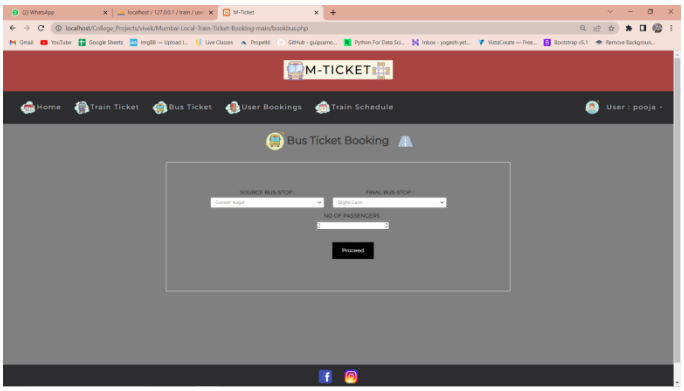

M-TICKET
Admin : prajwal
TRAIN PASSENGERS DATABASE
Go Back

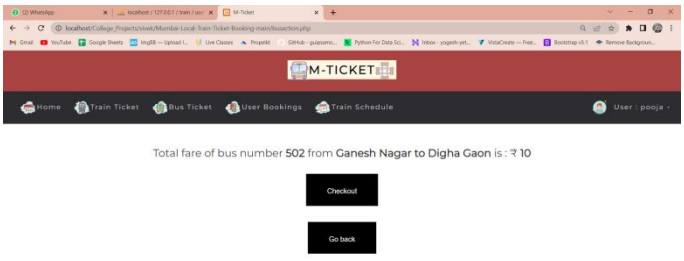

M-TICKET
Admin : prajwal
BUS PASSENGERS DATABASE
Go Back

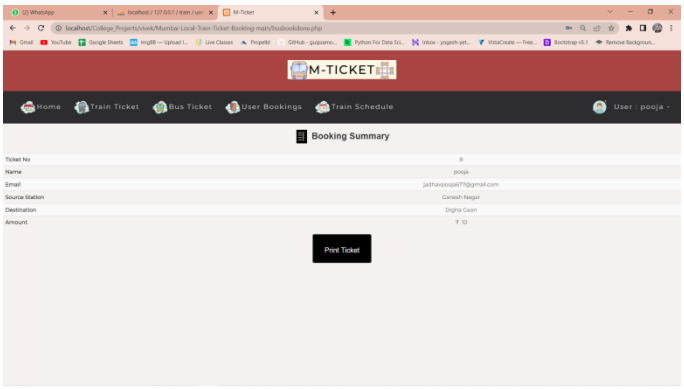

M-TICKET
Home
Train Ticket
Bus Ticket
User Bookings
Train Schedule
User : pooja
Train Ticket Booking
Proceed

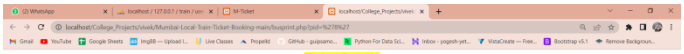

M-TICKET
Home
Train Ticket
Bus Ticket
User Bookings
Train Schedule
User : pooja
Booking Summary
Booking ID
Name
Email
Source Station
Destination
Route
Amount
Print Ticket


Ticket Details
M-TICKET
Booking ID: 56
Sanpada To Ghansoli
DATE & TIME : 2023-04-15 14:09:10
CLASS : A.C
TYPE : Return
NO. OF PASSENGERS : 2
AMOUNT : ₹240
ROUTE : Sanpada-Ghansoli
WISH YOU A HAPPY & SAFE JOURNEY


M-TICKET
Home
Train Ticket
Bus Ticket
User Bookings
Train Schedule
User : pooja
Bus Ticket Booking
Proceed


M-TICKET
Home
Train Ticket
Bus Ticket
User Bookings
Train Schedule
User : pooja
Total fare of bus number 502 from Ganesh Nagar to Digha Gaon is : ₹ 10
Checkout
Go back





Ticket Details

CONCLUSION

So thus we have developed "M-Ticket Booking System" which is a game-changer in the ticket booking industry, providing users with a seamless and convenient way to book tickets. The use of cloud technology ensures that the app is scalable, secure, and accessible from anywhere, making it an ideal choice for anyone looking to book tickets.A ticket booking system makes it easy for passengers to book their tickets from anywhere and at any time, without having to visit a ticket counter physically.

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