

Online Bus Ticket Reservation System

MINI PROJECT – I

SYNOPSIS



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ABSTRACT

The adaptation of new technologies and applications has solved many critical problems in today's world. Online Bus Ticket Booking System is a Web Based application that works within centralized network.

This project present a review on the software program of "Online ticket Booking System" which is used in bus transportation System. This project gives the facility to book a bus , cancel a bus and do enquiries for different routes and also user can secure quick Booking. The main aim of Online Bus Ticket Booking System is to manage and computerize the traditional ticket booking, enquiry and database. We uses the web technologies like html for layout design, CSS for designing part. The validation tasks and animation have been developed with the help of JavaScript , for storing the data we use MySQL.

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INTRODUCTION

The main objective of this Project on Online Bus Ticket Reservation System is to manage the details of Bus, Ticket, Booking, Customer, Bus Route. It manages all the information about Buses, Bus Schedule, Bus Route, Buses Enquiry. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of this project is to build an application program to reduce the manual work for managing the Bus, Ticket, Bus Schedule, Booking and database. It tracks all the details about the Booking, Customer's, Bus Route.

System Requirement Specification:

- **Hardware Requirements:**

1. Intel Core processor
2. RAM 4GB and Above
3. HDD 100 GB Hard Disk Space and Above
64 or 32 bit OS Windows 8 and above

- **Software Requirements:**

1. Technology: HTML,CSS, JS,PHP
2. Back End: SQL Server or Mysql
3. Operating System: Windows7 and more
4. Database: SQLSERVER 2008 or more
5. IDE & Tools: VStudio.Net 2010 ,XAMPP Server
6. Web Server: IIS 6.0
7. Web Technologies: Javascript, HTML, CSS,PHP

PROJECT DESCRIPTION

Online Bus Ticket Reservation System is a cloud based online software. This system would help customers to book a seat for their journey, in the buses of their choice. This system would also help the owner to manage the coaches, employees, clients, services etc. Online Bus Ticket Reservation System will increase the booking process faster, convenient, and comfortable. Customers can book their desired seats. They can check the availability of posts on a specific date. The customer can check availability, book ticket, or cancel ticket 24X7. The online system is available to use anytime. User doesn't require to visit any office. They just need internet and device to use our system. They can check route, price, class etc. They can pay fare using a credit card, debit card, internet banking, online wallet like Paytm and cash too. Managing buses, employees, and salary would be very comfortable using this system. This is a safe and secure way to expand the business. System decreases the human efforts and increases customer satisfaction.

Since the current reservation system is still conducted manually and separately at each branch, contact must be made by each branch's front-officer to the head office for each customer's enquiry in order to get the latest update on schedule, seat availability and other reservation-related information; as well as to avoid duplicate bookings or over-capacity. There is also a physical limit to the reservation availability as each branch only operates during certain hours and reservations can only be made on-the-spot. These limitations are not the only issues the company is currently facing.

Other factors that create problems include human errors (e.g. miscalculations in ticket price, mistakes in noting passengers data, etc.), the fluctuation of passengers during certain periods of time that causes a bottleneck in the check-in process because of the inability of the front officer to multitask and the lack of overview or report of the on-going business; making it difficult for the company to judge past/current performance or plan future improvements. Looking at these problems and limitations, it is clear that both the company and the customers require an integrated reservation System that is more efficient in information update and reservation handling and also easy to use. Electronic tickets, or e-tickets, give evidence that their holders have permission to enter a place of entertainment, use a means of transportation, or have access to some internet services. Bus Ticket Reservation System enables the customer to buy bus ticket, make payment, and ask for information online easily. Furthermore, staff can sell bus ticket using Bus Ticket Reservation System after check bus ticket availability for the customer and print the bus ticket to the customer that queue up in the counter. The method to solve this problem is to create an online buying bus ticket system. Customer can buy the bus ticket over the Internet, 24 hours a day, 7 days a week and the bus ticket can't be lost, stolen or left behind. In addition, the online system lets the customers check the availability of the bus ticket before they buy bus ticket . Furthermore, customers no need to pay cash to buy bus ticket because they can pay the bus ticket by using deposit slip number order by bank

Functionalities provided by Bus Ticket Booking System are as follows:

- Provides the searching facilities based on various factors. Such as Bus, Booking,
- Customer, Bus Routes
- Bus Ticket Booking System also manage the Bus Schedule details online for the customer.
- Customer details, Bus Route details, Bus.
- It tracks all the information of Ticket, Bus Schedule, Customer etc
- Manage the information of Ticket
- Shows the information and description of the Bus, Booking
- To increase efficiency of managing the Bus, Ticket
- It deals with monitoring the information and transactions of Customer.
- Manage the information of Bus
- Editing, adding and updating of Records is improved which

Scope of the project Bus Ticket Booking System

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Online Bus Ticket Reservation System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

Our project aims at Business process automation, i.e. we have tried to computerize various processes of Bus Ticket Booking System.

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfy the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Delivered on schedule within the budget.

Modules of Bus Ticket Booking System:

- Bus Management Module: Used for managing the Bus details.
- Bus Route Module : Used for managing the details of Bus Route
- Bus Schedule Module : Used for managing the details of Bus Schedule
- Ticket Management Module: Used for managing the information and details of the Ticket.
- Booking Module : Used for managing the Booking details
- Customer Module : Used for managing the Customer information's
- Login Module: Used for managing the login details
- Users Module : Used for managing the users of the system

User

- This Project basically provides a Bus information and regarding bus information .
- First of all, in our website any user or visitor are view our system and also search the bus and how many seats are available in our buses.
- user can also registered its own seats in bus this website. User can post a comment on different Bus Services. But user can compulsory registered first in the system.
- Search Bus category wise.

Login:

- Login Module includes various utilities like User Authentication,
- Change Password and Forgot Password.

Registration:

- In this website provide a some facility user can Registered in this website.
- user can use this facility so user can make a registration

Book the Ticket:

- In this module admin can add new bus category using this module.
- Bus Category contains like Volvo, Slipper coach, Ac Coach etc.

Update Bus Information:

- In this module admin can add or Update Bus using this module.
- It contains the information about the Bus type , photo, description, Location of tour, Available Seats in Bus etc.

Cancel the Booking Ticket:

- In this Module User can Cancel the booking Ticket.

Comments:

- In this Module User can Post the Comment on a particular Bus .

Report Generation:

- This module is used to generate a reports.

Tomcat started off as a servlet specification implementation by James Duncan Davidson who worked as a software architect at Sun. He later helped in making the project open-source and in its donation by Sun to the Apache Software Foundation.

Oracle is a trade mark of Oracle Corporation and in common usage refers to the database engine (which actually looks for the data) and the range of frontend products. Oracle 8i is the largest selling SQL-based RDBMS and a most commercially useful product.

Reference Websites:

- www.html.com
- www.javaworld.com
- www.projectdeveloper.com

Faculty Guidelines:

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GitHub Repository link:

<https://github.com/HarshPonia/Bus-booking-System.git>