

**A
SYNOPSIS
ON
“Book My Bus”**

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OBJECTIVE

The project entitled “Bus Booking System” is an offline project for booking bus tickets. The main objective of developing this project is to book the bus tickets Online. This application will greatly simplify and speed up the booking process. The main aim of the project is to provide the bus tickets to the customers in a simple and accurate way. This project is useful for customers for reserving their tickets in simple manner. By this system customer can easily get the tickets by entering their destination and their current location.

INTRODUCTION

Unless like in the previous stage people as to walk into travel agency company to buy the tickets and also to check the timings. This problem is overcome introducing Online Ticket Booking System. This project will provide an option to customers to book the tickets online and to check the confirmation online. Using this system customer can book flight tickets, Bus tickets, Train tickets and they can book or reserve hotels.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Online Bus Booking System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

The Bus ticket reservation system is currently maintaining the project Transport Company’s process manually which is a very time consuming process. It deals with transport industry’s ticket booking and transport maintenance, so it becomes a very tedious job for the ticket booking transporter to look after these particulars to complete the task at right time. The bus ticket booking system not only deals with transporters owned vehicles but also takes into consideration about the other types project of system transport vehicles available with other transporters.

The main objective of the Bus Ticket Booking System is to manage the details of Bus, Ticket, Booking, Agent, Seats. It manages all the information about Bus, Customer, Seats, Bus. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Bus, Ticket, Customer, Booking. It tracks all the details about the Booking, Agent, Seats.

FUNCTIONS

1. Easy Reservations
2. Easy searches, schedules, fares, availability
3. Ticket cancellation
4. View, print, download tickets
5. Instant Email & SMS notification
6. Advanced Reports

LITRATURE REVIEW

Faster bus ticketing booking will mean better response time from the bus services. A choice of booking from different express bus operators will allow users to have a choice of services to use based on standard rating derived from consumer's feedback, governing bodies, and individual bus operator's performance. Decision Support System will create standard rating to rank each bus operator and thus will allow a user to make decision on which bus operator's to use based on these ratings. With support services, which is more responsive to users' needs, will create greater customer appreciation and thus will benefit the bus operators. Online bus ticketing booking will contribute to the successful development of the Online Bus Ticketing System by attracting users within Malaysia as well as tourists.

In order to build the system, all the processes in the business should be studied, System study helps us under the problem and needs of the application. System study aims at establishing requests for the system to be acquired, development and installed. It involves studying and analyzing the ways of an organization currently processing the data to produce information. Analyzing the problem thoroughly forms the vital part of the system study. In system analysis, prevailing situation of problem is carefully examined by breaking them into sub problems. Problematic areas are identified and information is collected. Data gathering is essential to any analysis of requests. It is necessary that this analysis familiarizes the designer with objectives, activities and the function of the organization in which the system is to be implemented.

E-ticketing could be extended to major entertainment and touristic sites and thus facilitate access to major points of interest within cities, making e-ticketing also interesting for travellers. Urban tourism is the fastest growing tourism sector in the world (Paskaleva, 2014). In public transport, e-ticketing systems are not only means of payment but process huge amount of information which offer a large range of possibilities to make public transport easier to use, to manage and to control. They offer as well opportunities to introduce integrated pricing structure that are not easy to implement with traditional payment tools.

Electronic ticketing technologies are classified according to the way they are used for payment. The closer the card is to the payment system, the more reliable the transaction is, but the more constraining it is for the user (Mezghani, 2008). Therefore, the long-term objective is for the customer to be able to pay for public transport without having to show or validate any card, relying on fully automatic fare payment. Public transport operators have been trying to replace paper-based tickets with electronic media, and many countries have implemented or are about to introduce e-ticketing systems.

The main characteristic of e-ticketing is that tickets are sold and stored in electronic devices. However, the benefits of a comprehensive e-ticketing system for public transport operators are hard to quantify, as the main aim of e-ticketing is an improved service quality. In monetary terms, e-ticketing could reduce administrative costs as fewer cashiers are needed, fare processing times could be reduced and a better throughput of passengers could be allowed (Maike, 2014).

Moreover, fare evasion and fraud resulting from cash handling could be reduced and better price differentiation would be possible. E-ticketing enables a better integration of alternative services into the scheme, making it more attractive for customers to use it (PricewaterhouseCoopers, 2011). Due to accurate data on passenger flows it might also help to better exploit the network's capacities and to improve the user experience by setting up tailor-made services for individual passengers. Costs apply that can be easily quantified, e.g., investment and operation costs, particularly the initial one-off costs (e.g., readers, software and consultancy on the scheme design). Integrated schemes appear to be particularly cost intensive, as different applications need to be connected (Wood, Downer, Toberman, 2011).

SYSTEM DESIGN

This project addresses the study and development of an Online Bus Ticketing System web portal that enable customers (passengers) and the staff to make an online bus ticket sale/purchase, ticket cancel, ticket postponement, driver rating, generating of reports and etc. which also act as an operation tool for bus ticketing companies to operate their organization effectively.

TECHNOLOGY USED :

1. HTML

HTML is an acronym which stands for **Hyper Text Markup Language** which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page.

Hyper Text: HyperText simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. HyperText is a way to link two or more web pages (HTML documents) with each other.

Markup language: A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

Web Page: A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type. **With the help of HTML only, we can create static web pages.**

2. CSS

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

HARDWARE

- PROCESSOR - intel i3 11th gen_@ clock speed 4.40 GHz
- RAM – 8 GB

SOFTWARE REQUIREMENT

- Windows 10
- HTML and CSS Programming language
- VISUAL STUDIO CODE

CONCLUSION

Online ticket booking system is an application where the customer can book a ticket online and 24*7 hours a day from anyplace in the world. Customers can also interact with the ticket booking website to know any other details they want. Online ticket booking system has been developed successfully. System performance is also found to be satisfactory. This is a user-friendly application. Through this application, the cost can be reduced and efficiency is increased. There are several procedures that can be selected by customers.

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