



The Online Railway Ticket Booking Management System.

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INTRODUCTION OF STUDY

One of the most significant modes of transportation is the railway, which has contributed significantly to Bangladesh's transportation sector. The nation's railway network and passenger volume have been growing annually due to the rapid economic expansion. With such a large client base, the issue of purchasing train tickets has been well recognized. Train ticketing could be resolved by electronic commerce. In addition to being a technological advancement, the introduction of a new online railway ticketing system would enhance railway services and, in some cases, provide a solution to the challenging issue of railway ticketing.

GENERAL OVERVIEW

Our website has various kinds of information that helps regarding booking a Tickets via railways. Users will be able to search the train availability, the exact fare, the arrival and departure time of the train and they can also book the ticket by using the debit, credit or master card and after booking the ticket if the User Want to cancel it then they can easily do it also.

PURPOSE

The purpose of this project is to project is to describe the railway booking system which provides details for the railway booking system like the train timing details, reservation, billing and cancellation on various types of reservation namely,

1. Confirm reservation for confirm sent.
2. Reservation against cancellation
3. Online reservation

SCOPE

Technology has transformed many aspects of life in the 21st century, including the way many of us make train reservation. For example, to make ticketing more convenient for travels, an online reservation system Help us in booking tickets from the comfort of our homes or offices. While this is convenient for most people, it has made things particularly easier for people residing in remote locations.

This project has substantially large scope. It includes the following features which help it easy to use, understand and modify it:

- Automation of reservation status
- No need to do paper work.
- To save the environment by using paper free processing.
- To increase efficiency and accuracy of the software.
- Management of online database.
- Management of online payment.

This web package can be used by non-programming personal avoiding human Handled Chance of error. This project

- Simplified management of passengers.

- Can be used online.
- Online payment.
- Human friendly interface.

The various advantages of using the online reservation system are as follows:

1. Convenient – You can book or cancel your tickets sitting in the comfort of your home or office
2. Saves time and effort – You can save the time needed to travel the railway reservation office and waiting in the queue for your turn.
3. Towards a greener planet – Instead of printing your ticket you can also choose to travel with the soft copy of your booked ticket in your laptop or even on your mobile freight revenue enhancement.
4. Passenger revenue enhancement. Improved & optimized service.

OBJECTIVES

The Objective of the Online Railway Ticket Reservation System Project is to Design software to fully Automate the process of issuing a railway ticket. That is;

1. To create a database of trains.
2. To search the Train's arrival and departure time, distance between source and Destination.
3. To check the availability of the ticket.
4. To calculate fare.
5. To book the ticket.
6. To cancel the ticket if necessary.

SOFTWARE REQUIREMENTS SPECIFICATION DEVELOPMENT ENVIRONMENTS HARDWARE

PROCESSOR: Intel core 2 duo processor T6400

RAM: 2.00 GHz With 2GB RAM

HARD DISK CAPACITY: 250 GB

Hard disk space and other standard accessories

ENVIRONMENT AND APPLICATIONS:

OPERATING SYSTEM: Microsoft Windows 7F

BACK END: PHP,

MYSQL, Microsoft SQL Server 2005

BROWSER: XAMPP

CONCLUSION

In conclusion, the online railway ticket booking management system using PHP MySQL has been an essential tool for railway companies worldwide to streamline their ticket booking process. The existing system has several Advantages, including being open-source, customizable, user- friendly, and secure, but it may also have some limitations, such as limited features, scalability issues, and maintenance challenges.

The proposed system aims to enhance the existing system by introducing new features and functionalities, such as user registration, advanced search and filters, payment gateways, SMS and email notifications, seat selection, train schedules, PNR status, admin dashboard, cancellation and refund, and feedback and review. The proposed system can significantly improve the user experience, make the ticket booking process more efficient, and provide railway companies with a customizable solution to their specific needs.

However, the proposed system may also have some disadvantages, such as development costs, technical Challenges, and compatibility issues.

Therefore, it is essential to carefully plan and execute the development and integration of the proposed system to ensure its smooth functioning and usability.

Overall, the online railway ticket booking management system using PHP MySQL is a valuable tool for railway companies to manage their ticket booking process efficiently, and the proposed system can further enhance its capabilities and improve the user experience.

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