Online Bus Booking System

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Acknowledgement:

For us, the prime motivation for doing this project is to get a hold on the fundamental concepts that form the basis of database design.

Introduction:

The motto of Online Booking is to reduce major defects in the present bus reservation system. Bus reservation n system deals with maintenance of records of details of each passenger, employee, operators, agents and also schedule of each and every bus. After observing the present bus reservation system, the following major disadvantages have been noticed.

* There are many operations which are done manually. The amount of manual work increases exponentially with increase in services.
* Passengers have to visit booking agents whenever they have to book their ticket. Sometimes they have to wait in queue for long time to get ticket of their need and they may even end up getting no ticket.
* Lack of prompt updating –various changes to information like passenger details are difficult to make, as paper work is involved.
* Finding details regarding any particular information of passenger(history) is very difficult as many records have to be searched.
* Inability to retain records if the books or files are lost.
* Those who are interested in enquiring about the availability of bus on a particular date and its prices have to visit the booking office or agent.
* Human errors like miscalculation in ticket price, mistakes in noting passenger data create various problems which leads to bad reputation of service and drop in bookings.

Solution:

Online booking reservation system puts an end to the above problems by automating various processes, making the bus reservation system more efficient. A few of them are:

* The details will now be stored and accessed using database avoiding mistakes and calculation errors.
* Data can be retained and managed faster without errors. Information regarding passengers, buses, employees can easily be stored and retained anytime.
* Records are frequently being stored in hard disks and other storage devices which marks no loss of data in case of system crashes.
* Security for the data is ensured by DBMS. It also ensures data accuracy and integrity.
* Availability of seats can be checked and payment for the ticket can also be made easily from anywhere anytime.
* Cancellation process is now made easy because data of particular booking can be retained easily from database.
* Search of buses based on different criteria(filters) makes booking of ticket more comfortable for passengers as they have choice of their personal interests.

End User:

Any person with internet connection can book the ticket of his/her need by just visiting site.