Online Flight Tickets Booking System

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Abstract- **Online Flight Tickets Booking System were first introduced in the late 1950s as relatively simple standalone systems to control flight inventory, maintain flight schedules, seat assignments and aircraft loading. The modern Online Flight Tickets Booking System is comprehensive suite of products to provide a system that assists with a variety of airline management tasks and service customer needs from the time of initial reservation through completion of the flight.**

One of the most common modes of travel is traveling by air. Customers who wish to travel by air nowadays have a wide variety of airlines and a range of timings to choose from. Nowadays competition is so fierce between airlines that there are lot of discounts and a lot of luxuries given to customers that will give an edge to those particular flights.

The World Wide Web has become tremendously popular over the last four years, and currently most of the airlines have made provision for online reservation of their flights. The Internet has become a major resource for people looking for making reservations online without the hassle of meeting travel agents. My Project intends to serve these purposes. It intends to check all the available Flight databases and return a string of results, which can help them in their travel plans.

The objective of this project is to create an Online Flight Tickets Booking System where a traveler can request all flight information as per their journey dates. They can get information regarding time, cost, etc all at the same time and place. When the customer calls the Counter Assistant for his/her travel needs, the counter assistant will enter the customer's details (flight requirements) in the system. The system displays all the available airlines, schedules and prices. This system would help the airline to better serve its customers by catering to their needs. The site would use a Database to hold this information as well as the latest pricing and availability information for the airlines.

I. INTRODUCTION

Online Flight Tickets Booking System was one of the earliest changes to improve efficiency. Online Flight Tickets Booking System eventually evolved into the Computer Reservations System (CRS). A Computer Reservation System is used for the reservations of a particular airline and interfaces with a Global Distribution System (GDS) which supports travel agencies and other distribution channels in making reservations for most major airlines in a single system. Online Flight Tickets Booking System contains airline schedules, fare tariffs, Passenger reservations and ticket records. An airlines direct distribution works within their own reservation system, as well as pushing out information to the GDS. A second type of direct distribution channel are consumers who use the internet or mobile applications to make their own reservations. Inventory management an airline's inventory contains all flights with their available seats. The inventory of an airline is generally divided into service classes (e.g. First, Business or Economy class) and upto 26 booking classes, for which different prices and booking conditions apply. Inventory data is imported and maintained through a Schedule Distribution System over standardized interfaces. One of the core functions of the inventory management is the inventory control. Inventory control steers how many seats are available in the different booking classes, by opening and closing individual booking classes for sale. In combination with the fares and booking conditions stored in the Fare Quote System the price for each sold seat is determined. Display and Reservation Users access an airline's inventory through an availability display. It contains all offered flights for a particular city-pair with their available seats in the different booking classes. This display contains flights which are

operated by the airline itself as well as code share flights Online Flight Tickets Booking System.

II. OVERVIEW OF THE PROJECT

The main purpose of this website is to reduce the manual errors involved in the airline reservation process and make it convenient for the customers to book the flights as when they require such that they can utilize this software to make reservation, modify reservations or cancel a particular reservation.

The name of the software is "Online Flight Tickets Booking System". This software provides options for viewing different flights available with different timings for a particular date and provides customers with the facility to book a ticket, modify or cancel a particular reservation but it does not provide the customers with details of cost of the ticket and it does not allow the customer to modify a particular part of his reservation and he/she can modify all details.

III. EXISTING SYSTEM

The effectiveness of the system depends on the way in which the data is organized. In the existing system, much of the data is entered manually and it can be very time consuming. When records are accessed frequently, managing such records becomes difficult. Therefore organizing data becomes difficult.

The major limitations are:
• Modifications are complicated
• Much time consuming
• Error prone
• Unauthorized access of data

IV. PROPOSED SYSTEM

The proposed system is better and more efficient than existing System by keeping in mind all the drawbacks of the present system to provide a permanent to them.

The primary aim of the new system is to speed up the transactions. User friendliness is another peculiarity of the proposed system. Messages are displayed in message boxes to make the system user friendly. The main Advantage of the proposed system is the reduction in labor as it will be possible so search the details of various 10 places. Every record is checked for completeness and accuracy and then it is entered into the database. The comments and valid messages are provided to get away redundant data.

Another important feature of the proposed system is the data security provided by the system.

The main objectives of the proposed system are:
• Complex functions are done Automatically.
• Processing time can be minimized
• Simple and easy to manage
• Chances of errors reduced
• Faster and more accurate than the Existing system
• Easy for handling reports

The proposed system is complete software for Airline Reservation System, Which is more efficient, reliable, faster and accurate for processing.

V. REQUIREMENT SPECIFICATIONS

Software Requirements
Operating System   : Windows XP/2003
Web Browser   : IE 8.0
User Interface   : HTML, CSS
Client-side Scripting   : JavaScript
Programming Language: Java
Web Applications   : JDBC, Servlets, JSP
IDE/Workbench : My Eclipse 6.0
Server Deployment   : Tomcat 5.x

HARDWARE REQUIREMENTS
Processor   : Core 2 Duo
Hard Disk   : 160GB
RAM   : 1GB or more

VI. MODULES DESCRIPTION

MODULES EXPLANATION
• Administrator Module
Enables the administrator to perform all administrative functions and manage inventory over LAN or the Internet. The administrator can define or modify routes, fares schedules and assign or deny access for qualified travel agents and other authorized users.

• Reservation Agent Module
Allows the airlines reservation agents to make and modify reservation on the LAN or

over the internet. The reservation agents could be stationed at any airline office location.

• Passenger Module
This module enables online customers to make reservations, views their bookings, make special service requests and define their preferences over the web.

• Payment
Provides the airline with the ability to set up various travel agents and give them reservations capabilities over the Internet. The travel agents are able to display and offer discounted fares to passengers.

• Cancellation.
The system should allow the user to cancel the existing booking. In this cancellation very helpful in all the travelers.

VII. CONCLUSION

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that are implemented and by specification-untraced errors concentrated in the coming versions, which are planned to be developed in near future.
Finally, we like to conclude that we put all our efforts throughout the development of our project and tired to fulfill most of the requirements of the user.

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