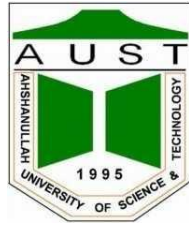***Ahsanullah University of Science & Technology***

Department of Computer Science & Engineering

Airline Reservation System

CSE 4126

Submitted By:

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Introduction:
Airline Reservation System is comprehensive suite of products to provide a system that assists with a variety of airline management tasks and service customer needs from time of initial reservation through completion of flight.

One of the most common modes of travel is traveling by air. Customer who wish to travel by air nowadays have a variety of airlines and a wide range of timings to choose from. Through the advancement of internet airlines now are providing online reservation of their flights. Our project intends to serve these purposes. It intends to check all the available database and return a string of results, which can help them in their travel plans.

The objective of this project is to create an airline reservation 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 intends to search for his/her travel needs, he needs to provide his details (flight requirements) in the system. The system will then display 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.

Motivation:
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 and erroneous. When records are accessed frequently, managing such records becomes difficult.

The proposed system is better and more efficient than the existing system by keeping in mind all the drawbacks of existing system. The primary aim of the system is to speed up the transactions. User friendliness is another priority of the proposed system. The main Advantage of the proposed system is the reduction in labor as it will be possible so search the details of various places. Every record is checked for completeness and accuracy and then it is entered into the database. 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

Platforms:
OS: Windows/Linux/MAC
Programming Language: PL/SQL
Tools: Oracle 10g, SQL *PLUS, Notepad, Sublime Text 3

Feature:

Passenger Module:
1. Create Account: Passenger can create an account providing necessary details.
2. Login/logout: Passenger can login to the system by providing their email and password.
3. View Passenger Detail: Passengers can view their personal info and previous flight details.
4. View Flight Info: Passengers can view flight info for a particular date or destination. This also allows user to view the time table for the flight.
5. Ticket Reservation: This allows customer to book a ticket which is user friendly and can be accessed easily
6. View Reservation History: User can view his/her flight reservation and get necessary details about the flight.
7. Reservation Cancellation: This allows passengers to request for cancellation of their reservation and avail refund.

Administrator Module:
1. Login/logout: Administrator can login to the system by providing their administrator id and password.
2. Passenger Management: Add/Delete/Update customer information.
3. Flight Management: This allows administrator to manage flight information.
4. Airbus Management: Administrator can manage airbus information through this.
5. Reservation Cancellation Management: This allows administrator to manage the requested reservation cancellation.
6. Add New Administrator: This allows to create a new administrator account

Entity Relationship Diagram:

Conclusion:
The project titled Airline Reservation system is a complete airline management system and has been designed to be easy for users to operate. The system allows scheduling, booking, reporting, customer management and other functions. It allows customers to book tickets at anywhere and anytime easily. This project is developed mainly for academic purpose. Therefor it may lack efficiency and professionalism but meets the primary requirements of airline management system.