DATABASE MANAGEMENT PROJECT

Report

TITLE: - AIRLINE RESERVATION SYSTEM

TEAM MEMBERS

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ABSTRACT:

The objective of this project is to implement airline reservation system to the best satisfaction of the customer. We are using databases to facilitate a smooth process of reserving the ticket with minimal work on both the customer and the administrator.

We are implementing a web based AIRLINE RESERVATION SYSTEM using JavaScript for programming the User-Interface and Python for linking the web application to the Oracle Database which will be used at the backend.

The following things can be expected from the prototype:

1. Easy access to the information about the airlines and the flight timings.
2. Easy maintenance of the database by the admin.
3. Fast search results.
4. Easy and flexible GUI.
5. Ticket prices and concession.
6. Status i.e. for ex- the confirmation of the ticket or if in waiting list.

Problem Statement:

The current system of Airline Reservation System (ARS) is quite complicated and isn’t much user friendly. The search result are also not accurate.

For example if you want to go from Mangalore to Delhi since there are no direct flight different Airline booking sites show different result. Also those result don’t give the lowest possible price. Moreover the timings of the flight and stop time are also quite inconvenient.

Future Work:

A lot of improvement can be made from the current database model and from the existing GUI.

Our current database model is incapable of showing connecting flight. Also the feature of flight cancellation and changing the date of journey are currently unavailable.

As most of the ARS give discounts and give various offers, this feature is currently unavailable. But we think that offers and discount should be a part of any Booking system as it give more options to the customer.

Also a lot of improvement are to be made in the current GUI. The GUI is quite basic with no or very little animation or design.

References:

1. “Aviation and Space”. Retrieved on May 20, 2012 from Microsoft Encarta Premium

2009 Encyclopaedia.

2. “Computerized Reservation System”. Retrieved on May 14, 2012 from <http://en.wikipedia.org/wiki/Computer_reservations_system.htm>.

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