**DESIGNING A DATABASE SYSTEM FOR TOURIST APPLICATION**

**PURPOSE OF THE PROJECT:**

The purpose of the project is to develop a distributed database system for tourist application by utilizing the knowledge and skills gaining from this subject. This project is chosen to enhance the technical skills that are acquired from lectures and lab exercises; every phase of this project includes implementation of various programming aspects of the subject. Working on this of project gives us a better experience that can be used in developing real time projects in coming future.

This project is nothing but developing a distributed database system for tourism/tourist application. Various phase of this project involves a database with several tables linked and has tourist information and in phase two we will be developing a standard web page that linked to the tourist database to retrieve tourist information. (As the knowledge and time is limited, we will be making this project to satisfy the requirements of this subject, any additional features can be added later on).

**EXISTING SYSTEM:**

In present scenario, a customer has to visit various agencies and offices to plan a tour. The customer has to make reservations for travel and accommodation. The customer may have to collect information from various sources. It takes a lot of time to plan a tour and often the data may not be up to date.

**PROPOSED SYSTEM:**

The proposed system maintains a centralized repository of all related information such as tour packages, places, hotels and enables one to make reservations for various transportation modes. The system provides all the help and information that a customer generally requires. The system allows one to browse through all the details and information.

**MODULES:**

The system has been identified to be presented with the following modules:

Tours, Flight Reservation, Hotel Reservation, Local Transportation reservation, Administration

**Tours:**

Organizing a tour involves many things, which includes flight reservation, accommodation reservation and local transportation booking. As a package of all these things, a tour package will be offered to the customers.

This module deals with managing everything as a package.

**Flight Reservation:**

This module only deals with flight reservation and it is specific to the users who would want to avail the flight reservation separately.

**Hotel Reservation:**

This module deals with accommodation reservation. It is specific to the users who would want to avail hotel reservation separately.

**Local Transportation reservation:**

This module deals with local transportation reservation. It is specific to the users who would want to avail local transportation reservation separately.

**Administration:**

The administration module centralizes all activities to be done in this application. It automatically allocates the hotel, and does the local transportation reservations if the customers opt for a package. Administrator also can add, delete and edit information related to packages, tours and accommodations.

**REQUIREMENTS:**

Requirements are listed in terms of use cases

**Tour**

1. Tour ID
2. Tour Name
3. Place From
4. Place To
5. Places to Be
6. Duration
7. Fare
8. Description

**Tour Booking**

1. Book ID
2. Tour ID
3. Customer Name
4. Customer Email ID
5. Place From
6. Place To
7. From Date
8. To Date
9. Number of Persons
10. Amount
11. Credit Card Number

**Cab Booking**

1. Customer Name
2. Customer Email ID
3. Cab Location
4. Cab Type
5. Travel Name
6. From Date
7. To Date
8. Fare
9. Credit Card Number
10. Book ID

**Flight Booking**

1. Booking Date
2. Customer Email ID
3. Customer Name
4. Flight Number
5. Flight From
6. Flight To
7. Airline Name
8. Journey Date
9. Arrival Time
10. Departure Time
11. Number of Tickets
12. Fare
13. Credit Card Number
14. Amount
15. Book ID

**Hotel Booking**

1. Customer Name
2. Customer Email ID
3. Hotel Name
4. Hotel Location
5. From Date
6. To Date
7. Number of Persons
8. Credit Card Number
9. Amount
10. Book Date
11. Book ID

**Package Booking**

1. Book ID
2. Book Date
3. Customer ID
4. Customer Name
5. Package Name
6. Journey Date
7. Number of Persons
8. Amount

**Customer Registration**

1. User Name
2. Password
3. Confirm Password
4. First Name
5. Middle Name
6. Last Name
7. Address
8. Age
9. Phone Number
10. Email ID

**State Details**

1. Country
2. State Name
3. City Name
4. Description
5. Area Code

**Tour Guide**

1. Guide Name
2. Gender
3. Languages Known
4. Amount
5. Email ID
6. Phone Number