

Tours Planner by Image Processing

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Abstract— The System is basically an Android Application meant for planning a Tour. The End User can provide an input in the form of an image or in textual form. The image is an image of the desired destination that the user wants to visit, which can be captured instantly or is already captured and stored in the Gallery. The image will be taken as an input and will be compared with the database images in order to identify and display the name of the desired destination and details of all tourist attractions present in that place. The user then selects the desired tourist attractions and enters the time duration available considering his schedule. The System plans the tour according to the user entered details and provides the Final Plan to the user, providing navigation for the same.

Key words: Android Application, Textual Form, Destination, Navigation

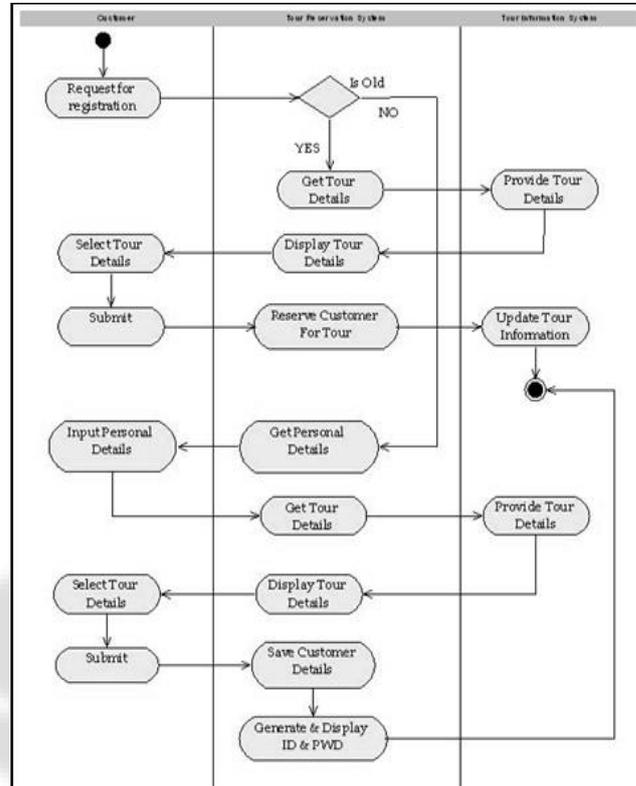
I. INTRODUCTION

The tours and travels management system has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardship faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operation in smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. No formal knowledge is need for the user to use this system .Thus by this all it proves it is user-friendly. As described above can lead to error free, secure reliable and fast management system. It can assist the user to concentrate on the record keeping .Thus it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of the customer, travel agency, booking, payments charges. This designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also for those busy executive who are always on the go, our systems come with remote access feature, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

II. ACTIVITY DIAGRAM

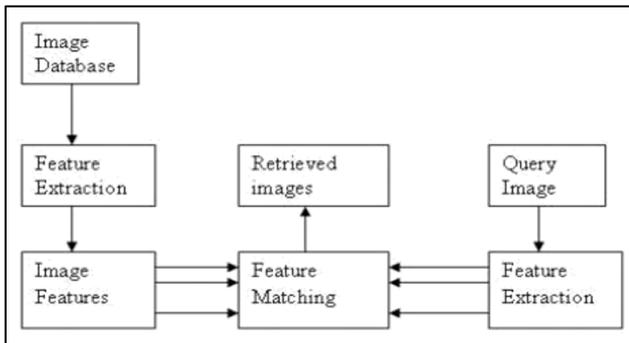


A. E-R Daigram

Procedures and steps followed during the physical design of the Travel Management System can be listed as follows.

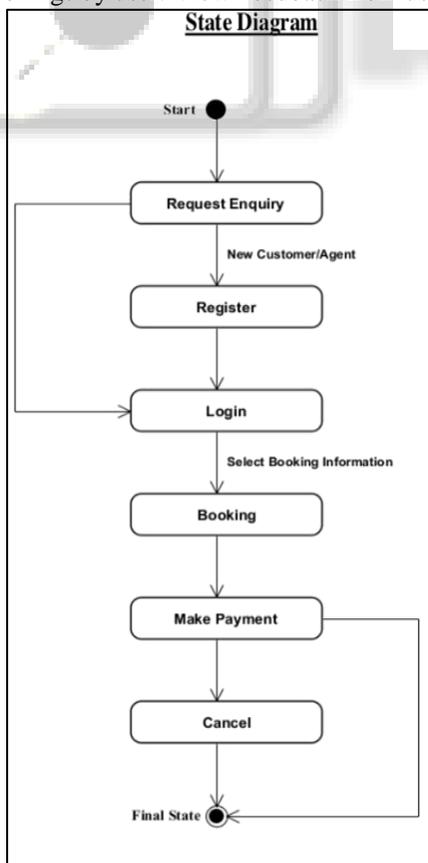
- Gathering requirements and write the requirements document.
- Extracting appropriate use cases and creates use case diagrams.
- Create business use case diagram and complete the description of all use cases in the document.
- Finding business entities and their relationships.
- Identifying the classes required according to the requirements gathered and draws the initial view of the class diagram.
- Designing process of interaction diagrams – entity sequence diagrams.
- Identifying the interaction between classes and obtaining the final class diagram with the properties and actions.
- Starting from the final class diagram obtain the DB tables.
- Connected entities (DB tables) in the similar way as class diagram would be connected.

After following the procedure described above, it has arrived the final structure of all entities and their relationships as shown in the following diagram.



III. MODULE DESCRIPTION

- User Registration and login: User has to first create an account in the system by registering themselves and then can login into the system for accessing the services.
- Tour View: The system contains a list of all the tours and places so that users can explore and get an idea of various places to visit.
- Tour Package selection: It has three packages for all tours that include stay, food and travelling and user may select any one of them according to the kind of facility they want.
- Tour Cancellation: Users may even cancel their tour if they wish.
- Credit Card Payment (Dummy): They can make payment online via credit card.
- Feedback: Users can even provide feedback into the system by filling up feedback form.
- Admin: Admin can add new trips and destinations. View all bookings by user. View Feedback from user



IV. STAKE HOLDERS

Stake Holders are the person who has success in the system. Stake Holders are main source of information.

Following are the Stake Holders of the organization:

A. Administrator:-

The administrator includes the performance or management of business operations and decision making as well as the efficient organization of people and other resources to direct activities toward common goals and objectives.

B. Agent:-

An Agent is one who acts for, or in the place of, another, by authority from him; one entrusted with the business of another.

C. Customer/User:-

A customer (sometimes known as a client, buyer, or purchaser) is the recipient of a good, service, product, or idea, obtained from a seller, vendor, or supplier for a monetary or other valuable consideration. Customers are generally categorized into two types:

- An intermediate customer or trade customer (more informally: "the trade") who is a dealer that purchases goods for re-sale.
- An ultimate customer who does not in turn re-sell the things bought but either passes them to the consumer or actually is the consumer.

D. Driver:-

The term refers to the person who is in charge of the motor (of the electric car) in the same sense as a railroad engineer is in charge of the engine.

E. Employee:-

An employee contributes labor and/or expertise to an endeavor of an employer and is usually hired to perform specific duties which are packaged into a job.

V. EXISTING SYSTEM

- 1) In the present system a customer has to approach various agencies to find details of places and to book tickets. This often requires a lot of time and effort. A customer may not get the desired information from these offices and often the customer may be misguided. It is tedious for a customer to plan a particular journey and have it executed properly.
- 2) Travel data is generally less than the data for other items, such as movies for recommendation, the charges for a travel are considerably more costly than watching a movie.
- 3) Almost every travel package contains numerous landscapes with lots of people's interest and attractions and thus has intrinsic complex spatial-temporal relationships. For an example, a travel package includes landscapes which are geographically aligned together.

VI. PROPOSED SYSTEM

The proposed system is a web based application and maintains a centralized repository of all related information.

The system allows one to easily access the relevant information and make necessary travel arrangements. Users can decide about places they want to visit and make bookings online for travel and accommodation.

VII. CONCLUSION

- Travel and tourism management simplifies the management process in travelling.
- Fast processing and immediate results with high security.
- Minimizing human effort and cost efficient databases.
- Navigation through the site is easy.
- Automation of the system improves the efficiency level.
- It is a friendly graphical user interface when compared to the system that already exist.
- It give authenticate access to the authorized users depending upon their user type.
- It effectively overcomes the delay in communications.
- System security, data security and reliability are the main features.
- The system has inadequate scope for modification in future if it is necessary.

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