

Travel Book

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Abstract

There has been a large increase in the tourism field, there are number of people out on tours, for the sake of recreation and entertainment. Tourism is the largest industry in the global economy world. This paper presents the development of tourist based project, a location based tourist guide application called Travel book in which we present a personalized . This application is for supporting tourist. To explore is the aim of the project. The application recommends the tourist attractions based on the tourist preferences. Recommendations are given based on ratings set by other tourist that use the application. This application provides guide to visit nearest tourist places according to location provided by user and it will provide shortest path to reach the place along with additional description of what user will find on the route and what will be the best places to visit at that tourist place.

Keywords - Planner; Tourism System; Cost effective.

I. INTRODUCTION

Travel and tourism is the leading application field in e-commerce. From the past decade tourism has achieved considerable growth and its role in the world economy has increased. The tourist-guide plays a decisive role in the tourists' experience of a tour. Tourist guide may guide the visitor in the language of their choice which may or may not be understood by tourist or visitors. Travel guide may be area specific expert, so visitors need to consult a need guide everytime they move from one part of the city to other. Being a tour guide is not easy. As new origin and destination areas are opening up the task of tour guide becomes difficult. However, we come up with the idea of intelligent tourist guide system called Travel book. Travel book proactively recommends the tourist attractions around, which is currently better to understand. On the basis of tourist's preference and current location recommendation is provided. Travel book information services and location -based services to provide the tourist actual and suitable information before, after, and during the trip. The main concept behind the project to develop a smart tour guide which will help tourist to find better place and lots of other information related to different places. Travel book allows tourists to get interesting information during their trips. Travel book will be able to find nearest tourist places according to location provided by user and it will provide shortest

path to reach the place. The system will find a path that fulfils those criteria, show it on screen, show names of objects, some short descriptions. There are some travel application categories:” online booking”, “information resource”, “location based services”, and “trip journals”. Online category allow a tourist to make online reservations for different services (e.g., car, rental, hotel, airplane, ticket booking). Information category provide the tourist a useful information during his/her trip. (e.g., information about tourist destination, flight tracking).location based service category provide the tourist information based on his/her location (e.g., map and navigation services, service that provide information about hospital, police phones).Trip journal category allow the tourist accumulate and analyze information related the trip (e.g. calculate money spent for the trip).

II. PROBLEM STATEMENT

Over past 10 years tourism has achieved considerable growth. Role of tourism in the world economy has increased. Tourism is the strongest industry in the global economy world. When people visit a new city, they consult a travel guide to explore. Guide may be area specific so tourist needs to search for a new guide every time they visit a new corner of the city. Tourist guide may guide the visitor in the language of their choice which may or may not be understood by tourist or visitors. Sometimes tourist prefer consulting internet for exploring rather than searching for guide. Recently, intelligent search mechanisms have been developed on the web that shows that the problem of information overload can be partially eliminated by providing a platform with more intelligence to help

tourists in the search for relevant information. We need some system to which can eliminate drawbacks of tour guide as well as drawbacks of lots of information about a particular place available over the internet.

III. SOLUTION

The main idea behind the project is to develop a system which will help tourists to find the better place at one instant. We are here with the idea of smart tour guide called travel book. Travel book will recommend the tourist attractions around in a better way possible. If tourists use this application then time for searching places like hotels, museums, parks, etc

in an unknown city will be saved. Hence this idea was useful for travel lovers and for those who travel new places on regular basis. Travel book is an innovative idea that acts as an intelligent guide to a tourist wherever he may go. Travel book will be able to find nearest tourist places according to location provided by user and it will provide shortest path to reach the place. The system will find a path that fulfils those criteria, show it on screen, show names of objects, some short descriptions. User will get list of suggested places to visit from system. User will be able to select one place then system will provide shortest path to visit selected city or place. System will also provide other information about selected city or place such as restaurants, museums, waterparks and other attractive places. The project is about travel guide system how the tourist will get best use of the system according his/her point of interest.that facilitate quick access to relevant content found in the Internet.

IV. LITERATURE SURVEY

Make My Trip does inn bookings for the clients as well as additionally offers occasion bundles for well-known local and global goals. Ixigo.com helps clients to book from the travel supplier's page. Open Transport Victoria helps in planning and advancing open transport in the State of Victoria, Australia. The key elements of the framework are they focus more on travel and providing or covering rural car cable. They work according to visitor's schedule and also provide transport data according to schedule. They provide lodging and transport data in a coordinated way. A trek planner is used to locate the best pilgrimage between two focuses for transport. A Dutch organization called TomTom is best known for pioneer in route and mapping items. Trip Advisor.com is an American travel site which provides travel related surveys and data to the clients. Mapsofindia.com provides data according to Destinations, Hotels, Flight Schedules and Railway time table. Hyderabadplanet.com will introduce to the best of everything in hyderabad. This website has complete collection of photos, maps, videos and up-to-date information on life in hyderabad. This site helps tourist to find data with respect to where to go in Hyderabad? What to find in Hyderabad? What to involvement in Hyderabad? . Australia Tourism app: This app is helpful for tourist visiting australia. It helps in planning the trip across australia and provide 1 hour of unlimited to all the details and features in your travel guide. This app is available in 2 languages and it will let you know where you actually are. It also provides travel tips from thousands of travelers. Hungary Travel guide: This app provides details about the attractions, landmarks transportation, cultural venue, dining, lodging, history and much more. With respect to current location it will help to find nearby attractions, or landmarks so one can explore the place easily. California travel Guide

WithMe is an offline travel guide, which provides the detailed information around the countries in relation to the current locations. This app also provides information about hotels and restaurants with respect to their cost and taxes. The main disadvantage on these framework is they do not work according to visitor's schedule and do not provide lodging and transport data.

V. EXISTING SYSTEM & PROPOSED SYSTEM

Tourism has been considered to be one of the crucial industries in the world due to being source of income. It also enables people from different cultures to interact with each other. Therefore, every country must be aware of tourism and make use of GIS directed towards tourism effectively. Every country should advertise their history, architectural characteristics of buildings in order to make them known all over the world. These details can be obtained in a query by forming a spatial connection with GIS.

Drawbacks of the existing system

- Manual efforts needed as user walk-in throughout the city searching for places.
- Maintenance of the system is difficult.
- Possibility for getting inaccurate results.
- Generated plan may not work accurately
- Maintaining user friendliness is difficult.

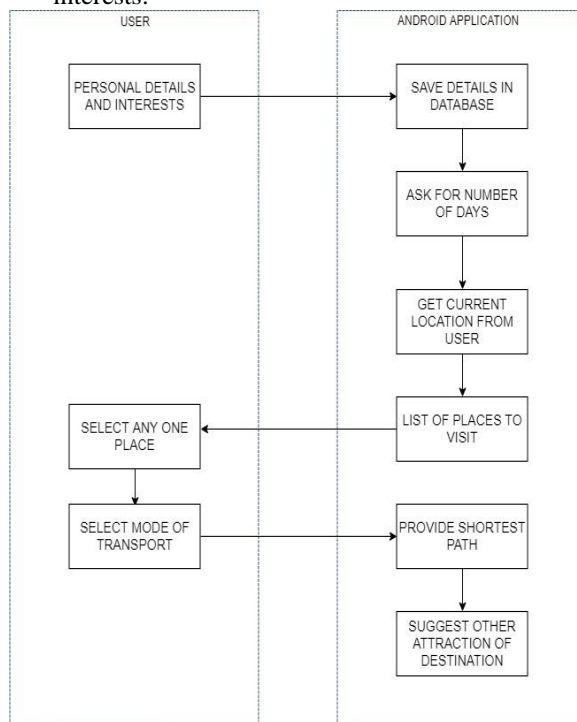
PROPOSED SYSTEM

- Proposed system is accessed by two entities namely, User and Admin
- User need to login with their valid login credentials first in order to access the android application.
- Application ask user for his/her place of interest while registration. User need to select his/her preferences from options provided by the application.
- Users preferences are stored into database for further analysis for travelling.
- While generating a best travelling experience, user preferences are considered as priority and based on their choices, a travelling plan is generated and displayed to the user.
- After successful login, user will be asked for selection of destination if more than 1 day selected or places to visit near me if less than 24 hours selected.
- Suggestion of a destination if available, also depending on previous destination visited.
- If places to Visit near me is selected then application will ask user for no. of hours available as well as places to visit to be selected by the user with wait time at every selected place.
- User can Sort Places before confirming the travel plan.

- Travel plan is displayed with Integrated Google Maps and Current Location.
- Google Maps link on Marker info to show direction from current location to Place of Choice.

VI. METHODOLOGY

- Registration and Login procedure will be performed.
- System will get the personal information about the user that is gender, age, some personal interests of the user.
- System will ask user's location and how much time does user have to travel. For example if user is in Mumbai and has to leave mumbai in 8 hours so user will have approximately 6 hours to travel in mumbai.
- System will analyse nearby places suitable to visit for user, nearby restaurants to go, shopping areas to visit in time provided by user.
- After analysing above factors system will show some best selected places to visit with how much time it will take to reach those places.
- User will select particular place to visit and system will provide shortest path to visit that place in time with the related information i.e. which is best restaurant to visit and other attractive places there according to user's interests.



A. Android

Android is a mobile operating system which is developed by Google. It is based on the Linux kernel. It is designed primarily for touchscreen mobile devices such as smartphones and tablets. Its user interface is based on direct manipulation, using touch

gestures that correspond to real-world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input.

B. Google Maps

satellite view is a "top-down" or "birds eye" view; most of the high-resolution imagery of cities is aerial photography taken from aircraft flying at 800 to 1,500 feet (240 to 460 m), while most other imagery is from satellites. Much of the available satellite imagery is no more than three years old and is updated on a regular basis. Google Maps used a variant of the Mercator projection, and therefore cannot accurately show areas around the poles. However, in August 2018, the desktop version of Google Maps was updated to show a 3D globe.

C. Google Analytics API

Google Analytics is a free Web analytics service that provides statistics and basic analytical tools for search engine optimization (SEO) and marketing purposes. The service is available to anyone with a Google account. Google bought Urchin Software Corporation in April 2005 and used that company's Urchin on Demand product as the basis for its current service.

D. Distance Matrix API

The Distance Matrix API is a service that provides travel distance and time for a matrix of origins and destinations. The API returns information based on the recommended route between start and end points, as calculated by the Google Maps API, and consists of rows containing duration and distance values for each pair.

VII. CONCLUSION

In this paper, we have discussed wise transport and tourism data framework, various applications regarding tourism. We present the design of Travel Book system. The system provides the information query of Hotels, Restaurants, Museums and so on. User will be able to select particular place from suggestions provided and then the system will provide shortest path to visit that place in time with the related information about that place i.e. restaurants, museums, and other attractive places according to user's interest. Travel Book will make tourism round the country fun and easy because of easy access to relevant information.

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