

Android Application for Tourism “Travel Buddy”

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Abstract— In this paper we are analysing the different android applications for tourism. As it is not possible for the tourist to always prefer the guide book, guide or any location. To provide facilities to the users for the purpose of tourism different kind of application has been made. By having the study of different tourism apps it is easy to get idea of developing a better application. On the basis of this study we will make an android app which will include all those functionalities which are helpful for the tourists.

Keywords: Tourism, GPS, Smart-City, Application, Push Notification

I. INTRODUCTION

The modern Internet delivers tourists with huge possibilities for searching interesting data and planning their activities. Current progresses of information and communication know-hows allow tourists to get thought-provoking information via the Internet during their trips. Smartphones are mainstream in this array with active iOS and Android devices owing 700 million globally by now. Global Mobile data traffic is mounting rapidly to an remarkable share of 13% of the Internet traffic in 2012. In harmony with about 50% of prevailing tourism recommender systems is premeditated for mobile devices. As has stood the case with supplementary information and communication knowledge, tourism has confirmed as one of the most well appropriate sectors to mobile technology and mobile claims. In harmony with the instant German Apple Store accounted around 780.000 apps and 36.000 travel apps (category Travel) on behalf of a market share of 4,62% of all presented apps.

There are a lot of applications which help you get your hotels, places to visit, maps, destinations etc. There are main mobile travel applications categories in present applications: - “Online Booking”, “Information Resource”, “Location Based Services”, and “Trip Journals”. Applications from “Online Bookings” category allow a tourist to brand online reservations for diverse services. Applications as of “Information Resources” category delivers the tourist a beneficial information throughout his/her trip.

Applications from “Location-Based Services” category offer the tourist contextbased material based on his/her location. There are three subcategories incorporate several categories: “Travel Guides”, “Tour Operators”, and “Hotel & Hotel Chains” In synchronization with mobile travel guides have to provide context-dependent, multimedia-rich touring services for visitors.

Authors propose in the application an application “TravelBuddy”, which inculcates new features like discovering new travel buddies, sharing of expenses, planning a trip, travel blogs, travel clubs, online conversation facilities. The application also includes solution for following major issues that travelers face before initiating for a trip such as unaffordable expenses, lack of travelling experience, finding people with same interests etc. The transportation

possibilities issue includes public transport schedule, interactive map, routing; taxi phones; ridesharing possibilities.

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II. MODULE

A. Location Finder:

This application will provide the current location of the user. Also provides the location of the places he searched for.

B. Search Portal:

User can search for the nearby places he want to visit.

C. Google Map Management:

User can set his location and with the help of Google Map live tracking system will be provided from current location to the destination location.

D. Weather Forecast:

This module is responsible to retrieve the weather information and display it to the user.

E. Provision for Ensuring Safety and Security of the Users:

1) Aadhar:

The users Aadhar number and other demographic details like name, address, gender, date of birth etc are recorded and verified with the aadhar database hosted by the government of India. Only the users whose details match are allowed access to the application.

F. Features for Providing Mutual Trust among the Users:

1) Provision for Communication:

Communicate with the fellow travellers travelling along with you.

2) Feedback:

After every successful journey of pool, all the members are asked to provide their feedback about the travellers and the experience about the overall journey.

3) Ranking:

All the users are given an overall rank on the basis of rating provided by the other pooled travellers within the journey.

4) Comparison of existing application with proposed application:

Our proposed Application provides information about nearby basic amenities such as petrol pumps, medical shops, hospitals, Atm’s, grocery stores, garage etc.

It also provides live location of the amenities to the user under a certain radius. More Facilities such as Weather reports, description about tourists places, History of those Tourists places etc.

This application also provides you to join travel clubs of your own city or town, meet up with like-minded

travelers who are staying close to you. You can also setup your own travel profile in several categories' like Adventure, weekenders, mountaineering, international tourists' clubs, women travel clubs, family travelers, trekking/hiking travelers, heritage travelers, ecotourism travelers, luxury travelers club etc. where all this detailed information is not available in the existing travel applications.

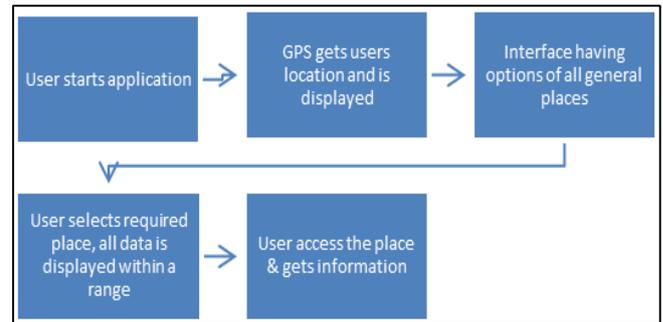
The additional feature provided with in the proposed application which is a big advantage for you to share the trip. You can plan a trip and publish it to find a travel companion. You may want to go on a trip as your wish and planning, you just need to publish your trip itinerary, and anybody interested in travelling at the same place can contact you to join your trip. Forum of travelers help each other where you can ask a question and get travel tips, advises for your upcoming trip. The idea of sharing the trip with unknown travel buddies is not available widely in the existing applications.

You can instantly update your travel stories and share your past experiences, you can also share the destinations you have visited so far or your road trips experiences, provide a travel guide and tips to help other travelers help to get there, places to visit, best time to visit, best places to stay and signature dishes to try out or if you are a photographer you can also share your photos on photo blog about your dream destinations you want to visit in future and even your travel resolution.

S.No	Name of Apps	Features	Comparison w.r.to proposed application.
1	eChutti	Online traveling app	✓
		Detailed information	✓
		Obscure security	
		Information about travellers	✓
2	Tourist chat	Information about the places, events, foods etc.	✓
3	Wunderlist	No roaming expenses	✓
		Discover travel destination	✓
		Discovering interests and likes	✓
		Information about the place, events, cultural not given.	
4	We Travel Solo	Finding companion.	✓
		Budget planning given	
		Creating profiles allowed.	✓
5		Detailed information.	✓

		offline traveling app	✓
		GPS facilities	✓
6	Tripto travel App	Blogs Available	
		Location Based Services	✓
		Map details	✓
7	Invite Me	Travel Plan Creation	✓

III. WORK-FLOW FOR TRAVEL-BUDDY



IV. CONCLUSION

In this paper, we presented the design and implementation of a mobile application called Travel Buddy, with which mobile users can get tourism guidance information they need anytime and anywhere. By Travel Buddy, users can get an attraction's detailed information, including text, picture and video. In particular,

Travel Buddy can provide users with location based information, which can be browsed or queried through a map. User can search the nearby attractions after he or she configures the distance between the current location and the view spots. When the user moves out of the current location, the mobile phone will automatically send its new position to the server side, and the corresponding attraction list will be received by the user.

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