Mobile Application for Travelling Activities- "Travel Mate"

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Abstract—The paper depicts travel guidance application on the android OS with the comparative analysis by grouping classification of mobile travel applications accessible at the moment for tourists in application stores for most popular mobile operation systems (Android and iOS). The most interesting classification is "Travel Partner" that combines "Information Resources" and "Location-Based Services" category.

Keywords—*Tourism, GPS, Smart-City, Application, Push notification.*

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I. INTRODUCTION

With the help of world wide web it is easily possible to get all the relevant information about planning a trip. Current progresses of information and communication know-hows allow tourists to get thought-provoking information via the Internet during their trips. Smartphones having iOS and Android OS are delivering information to tourist through 700 million devices. Global Mobile data traffic is mounting rapidly to a remarkable share of 13% of the Internet traffic in 2012 [1]. In harmony with [2] about 50% of prevailing tourism recommender systems is premeditated for mobile devices. Tourism is widely affected by the inclusion of smart phone technology [3]. There are a lot of amenities and applications that allow shortening this search, proactively providing evidence around interesting magnetisms, user response, etc. Inharmony with [1] at 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.

In harmony with [4] mobile travel guides have to provide context-dependent, multimedia-rich touring services for visitors. Authors propose in the paper an application "TravelMate", which inculcates new features like discovering new travel mates, sharing of expenses, planning a trip, travel blogs, travel clubs, online conversation facilities. As information sources, it has been proposed to use different accessible Internet sources that provide actual and comprehensive text and multimedia information about different places of interests.

The paper also endorses 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. (adapted from [6]).

The proposed system counters above mentioned issues by providing needful information depending on respective travel plans.

The rest of the paper is structured as follows. Section II presents an overview of existing applications. Section III Description and evaluation of mobile application "TravelMate". Section IV Comparison of existing system and proposed system. Main results are summarized in Conclusion.

II. Comparison of existing systems and proposed systems.

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	**SF Travel Buddy**	Detailed information.	✓
		offline traveling app	✓
		GPS facilities	✓
6	**Tripto travel App**	Blogs Available	
		Location Based Services	✓
		Map details	✓
7	**Invite Me**	Travel Plan Creation	✓
		Finding travel companion	✓
		Information about the place.	✓

III. Comparison of existing application with proposed application

Our proposed application provides you 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
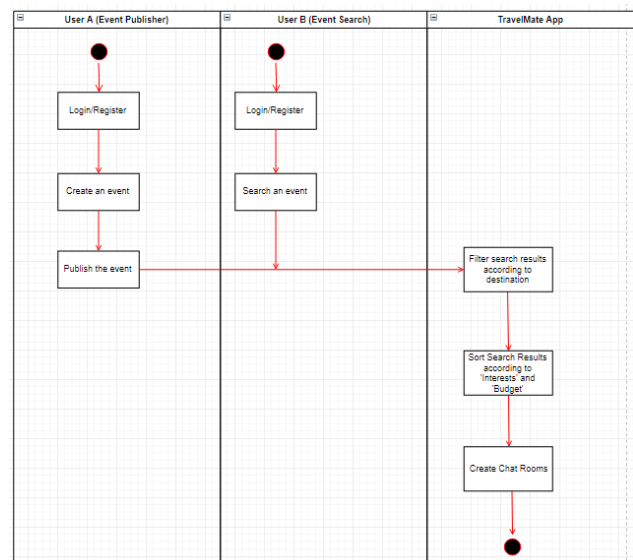
travel profile in several categories' like Adventure, weekenders, mountaineering, international tourists' clubs, women travel clubs, family travelers, trekking/hiking travelers, heritage travelers, ecotourism travelers, luxurytravelers club etc. where all this detailed information is not available in 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, 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 resolutions.

Additional feature provided is you can as well get to contact with the trip arrangers. If you are unable to find an organizer around you of your comfort, our application helps you get information of these organizers and contact them.

IV. Work-flow for Travel-mate.

V. Conclusion:

We saw the need of smartphones and how it affects the tourism industry. We compared various applications and evaluated their features with the proposed system. The proposed systemTravelMate is for all travel enthusiasts. You may be a solo traveler, backpacker, Trekker, Hiker, adventure traveler or you may be interested to getaway on a long trip or you may be looking for a travel buddy for your next trip, you

are welcome here as far as you are passionate about travelling.

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