

Travel Mate using Android

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Abstract— Now a day mobile phone is a necessary part of the people's life. The combination of the mobile phone and the Internet service is the trend of the future information development and software applications. There is continuously rising in a number of mobile computing applications, centered on the people's daily life. In such applications, location dependent systems have been detected as an important application. Such application which presents the architecture and implementation of such a location is commonly known as Smart Travel Guide. So in this paper we shows the smart travel guide architecture and we propose framework of Mobile tourist guide system for Android Mobile Phones that is able to provide tourism information to the mobile users conveniently. This framework introduces the three-layer architecture of Web development into mobile phone software development. Based on the three-layer architecture, the android based city tour guide system will develop.

Keywords: Travel Mate using Android

I. INTRODUCTION

Android has a growing selection of third party applications, which can be acquired by users either through an App store such as Google Play or the Amazon App store, or by Downloading and installing the application's APK file from at hired-party site. The Play Store application allows users to browse, download and update apps published by Google and third-party developers, and is pre-installed on devices that Comply with Google's compatibility requirements. The app filters the list of available applications to those that are compatible with the user's device, and developers may restrict their applications to particular carriers or countries for business reasons. Purchases of unwanted applications can be refunded within 15 minutes of the time of download and some carriers offer direct carrier billing for Google Play application purchases, where the cost of the application is added to the user's monthly bill.

A. Scope

Tourism is a fast growing industry which contributes enormously to the growth of a country's economy and making the tourists feel at home is an integral part of making the industry grows. In such a fast moving industry keeping track of the various places of interest in a particular city can be highly cumbersome. The most plausible way to meet such an aim would be to tap the enormous resources available in the form of smart phones and the Internet. This would be the easiest way to provide assistance to tourists, thereby helping them know their way around in foreign places. Android has a growing selection of third party applications, which can be acquired by users either through an Apps to re such as Google Play or the Amazon App store, or by Downloading and installing the application's APK file from a third-party site. The Play Store application allows users to browse, download and update apps published by

Google and third-party developers, and is pre-installed on devices that Comply with Google's compatibility requirements.

B. Need

The new work environment an effective performance management system. An effective performance management should necessarily have the following characteristics.

Educational data mining concerns with developing methods for discovering knowledge from data that come from educational environment. we used educational data mining to analyze learning beahavior. We conduct the exam of students. After the exam we applied data mining techniques on it. After we extracted knowledge that describes students behavior. In future the educational data can be analyzed by classification in data mining technique. Instead of using naïve bayes dashboard, user can use fusion chart to design the dashboard to get the efficient result.

II. PROJECT OBJECTIVES

The main objective of this research is to develop a mobile travel guide application with added functions to an existing application. Especially in this application, interaction between users is the new function compared to traditional travel guides for museums. We decided to design this application because a lot of people think there are similar products already exist on the market. However, after we conducted the market research, there was only one single function on most of travel guide applications, and full-featured products were not listed. Thus, the purpose of designing this product is to make a travel guide application which contains possible integration of a number of features. Therefore, users may use a more convenient application. Online ticketing and online shop sale services allow users to buy tickets and souvenirs anywhere with an access to a network. Therefore, it is unnecessary for users to go to museums personally.

III. PROPOSED SYSTEM

In existing tourism system, whenever a tourist visits famous spots, to know more about the place he hires a guide. The hired guide then narrates history of the place. But in the proposed system we overcome this drawback; it doesn't require a physical guide. The Mobile application installed on the mobile of tourist can act as a guide. Additionally, the application would help user to find out the weather forecast of the place. Also in previous system it provides only individual functions in different application, for example if we required information about tourist places for that we access an internet to gate this information. Also like that if we required images or videos about that place then also we take help of internet. Hence this is very lengthy process to gate information like, images, videos, whether report etc. To overcome this drawbacks we are introduce a new application i.e. Android City Tour Guide System. In this city

tour system all this features are implemented in one single application. So, that to implement this concept we use three tier Google Maps can identify and mark in the maps. XSL Style Sheet the data or contents from data sources that is XML format need to be transformed into WML format by the XSL Style Sheet. Therefore, Mobile service providers can efficiently use existing resources to provide better services

A. Sysyem Architecture

The city tour guide system (CTGS) use three-layer architecture which is taking from Internet application development. In this paper we are using a three-tier architecture which includes presentation layer, logical layer, and database layer. Each is having its own importance. The architecture supports the automatic accessing of data from multiple, different sources into possibly a variety of different mobile devices.

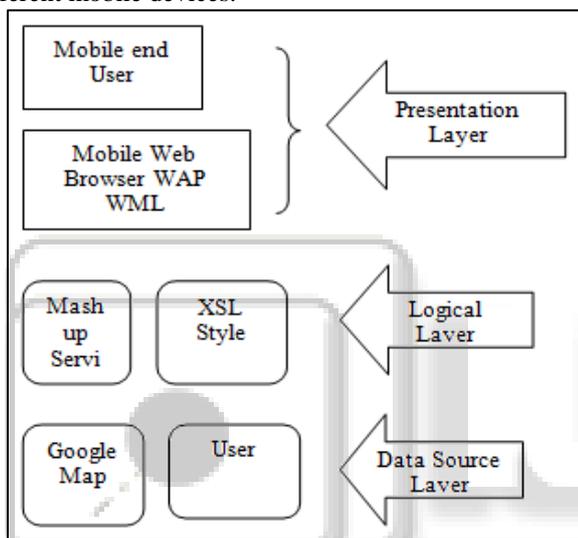


Fig. 1: System Architecture

1) Presentation Layer:

Presentation layer is the topmost layer in the system architecture through which user can interact with city tour guide system (CTGS). Presentation layer provide front page of application i.e. mobile end user and any internet browser i.e. mobile web browser.

2) Logical Layer:

Logical layer is middleware interface between presentation layer and data source layer. Geo coding Widget converts end-user's location information into latitude and longitude coordinates that Google Maps can identify and mark in the maps.

XSL Style Sheet the data or contents from data sources that is XML format need to be transformed into WML format by the XSL Style Sheet. Therefore, Mobile service providers can efficiently use existing resources to provide better services.

3) Data Source Layer:

Data source layer is a back end layer in which the system information is stored. Data source layer give the response to the user request like information about tourist places, provide Google map, whether report etc. The tourist can share experience to enrich the information in the database. It is built using MySQL database. MySQL database has

become the world's most popular open source database because of its high performance, high reliability and ease of use

IV. IMPLEMENTATION

There are a lot of information needed to be obtained from the SQLite database. For instance, the museums' activities always require update the recent data in real time, and these data are saved in database. Therefore, application client requires a method to connect database. Creating the database needs to make the database name, database version and constructor properly. Further, this code is to create the application widget table and museum activities table

V. CONCLUSION

In this paper we presented an approach which overcomes the drawback of existing tourist guide system. For that we proposed method in that mobile device is the interface for users to access the city tour guide system (CTGS) service, with which mobile users can get tourism guidance information they need anytime and anywhere .user can attract towards its detailed information, including text, picture and video. User can search the nearby attractions after he or she configure the distance between the current location and the view spots.

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