



BUS AND TRAIN ENQUIRY SYSTEM

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Abstract: This is an android application. Now a days people are not interested to carry systems along with them so we introduced mobile application "BTEK". Previously if we want to know any information about bus/train we should make a call to the enquiry system or by searching through internet. But now we can get all information about bus/train through this "BTES" app without an internet. User wants to find out the bus and train number from one place to another place. User needs to give the details of source and destination. Accordingly it will display the details of the bus number and train number going in that route. It is a time saving application to user. User can easily get the information of the bus and train number of particular route. In this way a user will be free from confusion about the buses and trains. It will also very helpful for those people who are new to the city. It will give the source and destination when we enter the buses and train number. It will give the chart details like timings of the source and destination.

I. INTRODUCTION

Analysis of data is a process of inspect, cleaning, transforming, and modeling data with the goal of

discovering useful information, suggestive of conclusions, and supporting decision-making. Data analysis has multiple facets and approaches, encompassing diverting techniques under a variety of names, in different business, science, and social science domains. Data mining is the particular data analysis technique that focuses on modeling and knowledge discovery for predictive rather than purely descriptive purposes.

The software for the proposed system developed on Android platform which is emerging as most popular operating system intended of smart phones and tablet computers. Android platform, which is based on Linux kernel with an user interface, is chosen in this work because of its greater flexibility to third parties to use as an open source for programming . Hence, it does not require any license or any kind of fees to develop on this platform. The code for Android application is written in java programming language which is then converted to java class files by java compiler. The Android SDK converts these class files into executable files with file extension as ".dex". The "dex" files and submission project resources are packaged into a new

file with an extension as “.apk”. These are the files which contains all the contents of the Android application. The resulting APK files are downloaded to the smart phones either by Bluetooth or High Speed micro USB data transmitting cable to publish in its device manager. The respective application with unique user ID is installed into the corresponding user’s mobile phone. The installed app will appear on the display screen of the phone with assigned user ID.

This project gives you the information about bus and train the user can find easily by this application and information about timings and routes. when any user want to know about the basic information of bus and train.

In the cities, especially in India buses there are major form of transportation .so by this app we can get the information required for reaching to the desired destination. We select the source ,destination and after pressing the submit button we get the bus number of the bus we have to travel. This application has its importance in the city travelling.

2.Working of BTES

BTES gives information about buses and trains. In this Application we have to provide a search box and then you can type the certain source and destination about your place. And the application displays the related timings. After that you reached that particular place. And we can use it anywhere at any time without internet.

SQLite is a open source SQL database that stores data to a text file on a device. Android comes in with built in SQLite database implementation. SQLite supports all the relational database features. In order to access this database, you don't need to establish any kind of connections for it like JDBC, ODBC etc. The main package is android. Database.

SQLite that contains the classes to manage your own databases.

In order to create a database you just need to call this method open Or Create Data base with your database. In order to delete a database you just need to call this method insert() In order to delete a database you just need to call this method delete().For in this way we have Update method for this we need to call this method Update().



Smart phones and mobile devices have rapidly become part of everyday life around the world. The availability of cheaper, faster and more capable mobile devices has led a lot of innovations in every field where it can be applied. According to a recent Epocrates 2013 survey , more than 80% use smart phones today and 90% are expected to use tablets by 2014. Mobile phone use in particular areas to be developing world, offering the opportunity to leapfrog other applications and services on both the health and technology. Recent breakthroughs in communication technologies have stimulated the development and demonstration projects in telemedicine, which is therefore considered as an essential technology for reformed healthcare . The success of various tele healthcare methods is due to the following factors.

- Traffic and transport difficulties in big cities
- Unequal geometric distribution of physicians
- Very low doctor to population ratio
- Poor socio-economic conditions of rural people

- Severe shortage of trained doctors and nurses in rural areas.

All these factors can be eased to some extent by using Smart phones with dedicated software. A mobile application which is known in short as 'mobile app', is a software application designed to run on smart phones, tablet computers and other mobile devices.

3. Related work:-

Existing system:-

There are some bus/train route finders and bus number find in system in the internet these days but these require internet connectivity for the working of the application .this is somewhat money consuming. Also if the net is slow the process is slow. And if the net connectivity is weak then the process of finding the busses/trains will also be difficult. To overcome the above problems we have developed our particular project which will work without internet.

Proposed system:-

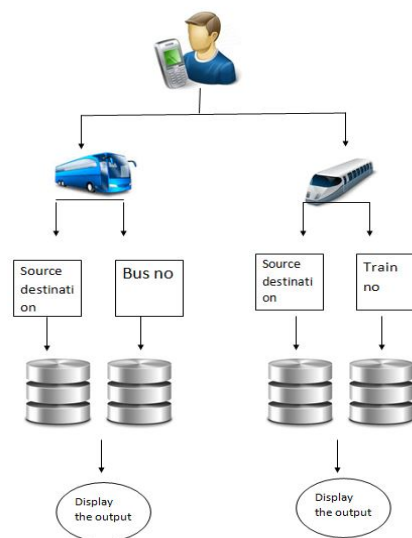
City bus and local train management application that we have developed will work without internet connectivity. This is the major advantage this particular application we have developed our project. It has a database of its own which makes it independent of internet, and it displays the bus/train numbers on its own. This makes finding of the bus/train numbers easy, fast and efficient.

PROCEDURE:-

1. Open Google Playstore.
2. Install the app "BTES"
3. Open the app.
4. Enter the Source and destination.
5. If you enter the bus/train number
6. Select the place name

7. Choose the option.
8. Display the details of bus/train.
9. Exit.

SYSTEM ARCHITECTURE:-



4. CONCLUSION:-

The "Generating Summary City bus and local train Gives Information through Mobile Application" will effectively communicate with the users and gives the information according to the Requirement of the user. It will propose a method to know the routes of Buses and Trains .We search the information of buses & trains by typing the basic information what you want then it will display the information what you required.

FUTURE SCOPE:-

Application is providing an interface where the user can simply get the details of city buses and local trains. User can have easy access of getting information. This application can be work in any android versions. Hoping this application can be work in the upcoming versions also.

REFERENCES:

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