SMART TRACKER

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ABSTRACT:

In today's world, man struggles to make his life easier. Now a day's Android mobiles are everywhere in the world, but if we consider the area such as IT industry, Organizations, Educational, Business in these sectors all the employee with their Android mobile phones performs much activities. Every company, organization having their own policies, rules, future projects so in such cases the privacy, security and confidentiality must be maintain by the employee of the organization. So it's very important to track their mobile phones crossing out the organization's geographical area in working hours. Another thing there are so many criminal cases happening like child kidnapping so in order to avoid this all cases we need to track the location of child's mobile. . In such cases, it becomes extremely difficult to keep a track of people and find them when they are needed.

After considering all these factors we implemented the system SMART TRACKER. This system is implemented for tracking the daily activity of the users with their android mobiles. The information such as where he is, when he go there will be tracked and updated and send SMS to higher authorities monitored by the administrator. This information can be maintained for security purpose of the organization such as leaking the confidential data and maintaining policies of organization.

Main thing this system consists of an alert of location if any of user crosses the specified geographical area of the organization instantly an alert will be sent to the manager's mobile phone in the form of SMS. This is very helpful system to the administrator to monitor any user in the organization with their personal data and location they exist through GPS .Through tracking such information organization can improved their performance in working hours.

INTRODUCTION:

ABOUT ANDROID:

Android provides a rich application framework that allows you to build innovative apps and games for mobile devices in a Java language environment.

The first truly opened comprehensive platform for mobile devices, all of the software to run a mobile phone but without the proprietary obstacles that have hindered mobile innovation.

➢ Linux OS kernel
➢ Java programming
➢ Open source libraries: My SQL, Web Kit, OpenGL

Android is a simple and powerful SDK. Require no licensing, distribution, or development fees. Development over many platforms like Linux, Mac OS, windows. And has excellent documentation and thriving developer community.

SHARED PREFERENCES:

In this application we use the database called shared preference to store the data of users. We can access the shared preference as below.

➢ If you have only one preference file, call getPrreferences(int mode);
➢ If you have several preference files, call getSharedPrreferences(String name, int mode);

MODE_PRIVATE: It is mode that is used only for your application can access the file.
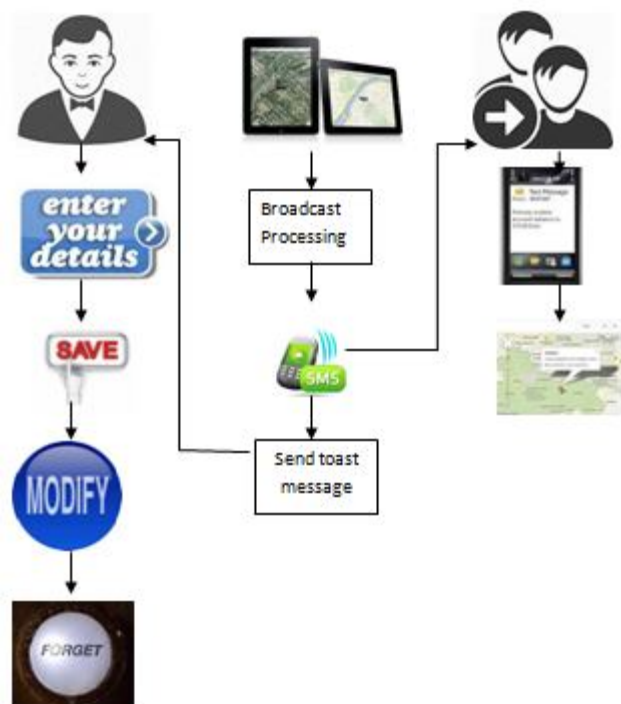
We can store the data in Shared Preference in four steps.

1. Get a reference to the Shared Preference object.
   ➢ If you have only one preference file,
   ➢ call getPreferences(int mode);

➢ If you have several preference files, call

➢ GetSharedpreferences(String name, int mode);

2. Call the editor.

3. Use the editor to add the data with a key.

4. Commit editor changes.

IMPLIMENTATION:

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective.

The implementation stage involves careful planning, investigation of the existing system and it's constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods.

The project is implemented by accessing simultaneously from more than one system and more than one window in

SYSTEM ARCHITECTURE:

one system. The application is implemented in the Internet Information Services 5.0 web server under the Windows XP and accessed from various clients.

RELATED WORK
EXITING SYSTEM:

In the existing system Android's main defence mechanisms against Location Searching is a time wasting mechanism which takes more time to the user to know the exact location of particular person. The specific approach used in Android has been shown to be ineffective at informing users about exact location.

PROPOSED SYSTEM:

This concept consists of the advanced feature to the existing system like "Location Searching by mobile number" and continuously monitoring the location send message periodically. The process is very simple to know the location by continuous monitoring and time saving process.

ALGORITHM:

Algorithms for SMART TRACKER application have the following steps.

1. Open the application.

2. Enter the mobile numbers and hint, and save.

3. If you want to modify the hint or numbers then click on modify and change.

4. You forget the numbers then click on 'forgot number?' and recover those numbers.

5. Broad cast receiver continuously monitors the time and sends SMS.

6. When the SMS sends then display the toast message.

7. Authorities receive the SMS and know the location.

FUTURE SCOPE:

We generate Smart Tracking for Android applications based on the location monitoring. While the focus of this work is on the location details, the idea of generating location can be extended to account for other features such as source code, developer information, user reviews, privacy policies and various other attributes related to app.

CONCLUSION

The "Smart Tracker" for Android Mobile Applications will effectively communicate and locate the user, and send SMS to the contacts saved in this application. We can efficiently access this android application easily and locate the user. The main objective of this model is to monitor the employee or user in case what activity they are performing with their mobile phones for security purpose. All this location information will send to the higher authority mobile device. This system will tracks the location of employee and sends to the manager if they crossed the specified geographical area of the organization. It is very useful system for monitoring user and employee of any organization. It will improve the performance of organization effectively. It also helps to use working hour effectively. This system helps to maintain the security of any employee base organization on the other hand it helps to track children also in minimum time. It is socially beneficial.