CASE STUDY

200 OK SOLUTIONS

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2

Table of Contents

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Application Background

- The Text & Track Application helps you to track your lost mobile by Texting/ SMS a unique keyword which is pre-set on downloading the application. By texting the unique keyword, the user can locate the mobile through a notification sent through SMS with the help of a Google link.

Technology used

- Android SDK 4.4.2
- Eclipse Kepler

List of Acronyms

- GPS – Global Positioning System

Application Details

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The Challenge

Main challenge to get through the application development was retrieving the GPS details i.e. finding the accurate location. If the internet connection is unavailable, the Android Smartphone automatically activates the offline GPS which gives the accurate location but the connectivity was too slow. If the GPS doesn't capture the accurate location link and revert back with a Text/SMS within 10 minutes, user would be getting a notification like **"failed to capture location".**

The Solution

- This application helps you to find your lost mobile by sending a text message with a predefined keyword which is stored in the application locally.
- Setup up the unique keyword in the application which will be used in the Text/SMS.

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- The application will send back the message from the lost mobile with the following details:
    - GPS location with longitude and latitude details.
    - Google Map Link of the nearby reference location of your mobile.
    - Nearby address details of the mobile location.
- Settings can be customized for various notifications.
    - You may set your favorite tone.
    - Camera Flash also acts as a notification.
- User can also set Timeout for all notifications after which the notification will stop.
- Keyword setup above can be protected with a unique password and will only be changed by the original user.
- User can also set up time limit for the notifications which also functions when the phone is on silent mode.

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