**PROJECT PROPOSAL**

**Finding Your Friends Location using Google Maps**

**Group Number:** 5

**Project title:** Finding Your Friends Location using Google Maps.

**Project Team:**

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* Bandam, Dinesh Kumar 4
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**Overview:**

In order to find the location of your friends, you need to either call your friend or ask him to send his location to you. This may not be possible when one is in need of one’s help where he doesn’t have any option to save himself from critical situations. Having seen many such cases, we came forward to develop an application which enhances to track the location subsequently.

Our application helps users to find their friends’ location using the maps, the distance between them is calculated and the possible routes are also shown, out of which we can choose the shortest distance route. The user first needs to add the contact for which they need the location to their android device. When needed, the user needs to select the contact and after getting to know that one is in position where needs an immediate help, the first and foremost thing we need to do is taking his permission to track his location in the form a signal from his mobile, thus the location would be shared immediately to us. We hope this application is useful for not only to those are in need but also for women security where in today’s world every girl is supposed to install such apps with improved GUI.

**Features:**

* This project allows users to select his friend for his location updates and also uploading the current location.
* Showing your friends location on google maps and also the distance between them by which you can take a possible shortest way to reach you friends.

**Requirements:**

Android google API, GPS (to know the exact location), GPRS (Internet connectivity for the users is also needed)

Tools: Android Studio

Language: Java

DB: SQlite

GUI:HTML5, CSS, XML, Java script

**References to similar apps:**

<https://play.google.com/store/apps/details?id=mg.locations.track5&hl=en>

<https://play.google.com/store/apps/details?id=com.fsp.android.friendlocator&hl=en>

**Backup Project:**

Title: Music Player

This is a music player app which uses your phone’s songs as the basic library and also it will provide you the trending songs. This app will add some additional features like cropping the song in smaller portions too.

Technologies used: Android Studio, SQLite, XML, JavaScript and JAVA.

**References:**

* <http://www.raywenderlich.com/120177/beginning-android-development-tutorial-installing-android-studio>
* <http://developer.android.com/tools/building/building-studio.html>