

## # PROJECT DESCRIPTION

We are working on a project "LOCATION TRACKER" using Android Studio. It is an app that will access GPS to track your mobile current location and keep updating the marker on the map to give the effect of tracking. We will be using Google Maps, Android API, Android Studio and an Android phone to test. We have created a simple app that monitors the device's location using the user contact number and records the information.

## # WHY WE CHOOSE THE TRACK

We developed an application based on Android. The main objective behind doing this project is to help the people during an epidemic by fetching the user's current location programmatically and helping them by supplying their needs. By receiving the data, the app can view the device's exact coordinates at any time, simply by logging into the app. the application uses data synchronization to automatically receive new information in realtime from every connected client.

\* We are using the Android Software Development Kit(SDK) for running the Android Operating System.

1. Android apps have been written using Java language supplied by tools, likely with restricted API support.
2. Some programming languages and tools allow cross-platform app support (i.e. for both Android and ios).
3. SDK includes a comprehensive set of development tools such as debugger, libraries, documentation, sample code, etc.
4. Developers may use any text editor to edit Java and XML files, then use command-line tools to create, build and debug Android applications.
5. The Location Listener interface is a part of the Android Location API used to receive notification from the Location Manager when the location has changed.

## **# UNIQUENESS AND PRACTICALITY OF THE PROJECT**

The uniqueness is that it can be controlled from anywhere using the contact number to track location and can help the people in the way they need. We successfully created a service that implements the Location Listener class to receive periodic location updates via GPS Providers or Network Providers.

We are facing a corona outbreak at the current time which is a very serious problem and people are being advised to be quarantined. To help out people who are in problems, the app can be used. They can use this app to fetch out the user's location and can fulfill their necessary needs. This would be very helpful for practical applications and can use this application for serving the people.

## **# FUTURE SCOPE OF THE PROJECT WITH REVENUE MODEL**

The mobile market app market is growing faster than a beanstalk. The industry is huge and growing daily, and there is no end in sight. Since we developed a location tracker app, GPS enhances everyday civil life, for GPS receivers enable and improve aviation, search and rescue, surveying and mapping, trucking and shipping, tracking, space exploration, offshore drilling, and also have many scientific uses.

The revenue generated by the global mobile app industry has skyrocketed. Hybrid monetization models, such as in-app ads and in-app purchases, are quickly gaining popularity in the business world and can play an important role in the revenue model.

## **#HOW TO COMPETE WITH CURRENT COMPETITORS**

Since there is a lot of competition in app industries these days so to deal with it first we need to examine the goods and bad of other applications, will add more number of features to our application to have more number of users. This will benefit our economy in one way or the other.

—by Team PUZZELS

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