Project description:

You are asked to develop an Android App for COVID-19 contact tracing.

You need to think of a solution using services, notifications, GPS, storage and Firebase to solve this problem.

Firebase real-time database can be used to store information about each user like (PCR test results and GPS locations). Such that if a user reported that s/he tested positive then all other users who came in contact with the infected person will be notified. This can be found by checking the history of GPS locations.

Do not use Bluetooth API in this app as it is not part of your course.

The app shall take into account, where possible (not a must), the following requirements:

1. Use of more than one activity and menus
2. Use of multithreading and/or services
3. Use of notifications
4. Use of GPS.
5. Use of Google Maps.
6. Server operations through Firebase (You can watch the video tutorial I previously uploaded and use internet tutorials/YouTube).

All the sources used in the completion of the app should be documented and submitted as well. This can include internet URLs and textbooks.

**You are not allowed to reuse an app from other courses like.**

**Continue…**

Submit:

1. The App and its documentation on ilearn; code, snapshots and .apk file.
2. Submit a user guide for the app (a step-by-step walk-through).

List all the references used in the development of your app.