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API's that were used

Google Maps Android API-https://developers.google.com/places/web-service/intro

Google Maps Places API-https://developers.google.com/maps/documentation/android-sdk/intro

JTS Topology Suite-https://projects.eclipse.org/projects/locationtech.jts

WHERE TO FIND THE ESSENTIAL PARTS OF PROGRAM

- Convex Hull Algorithm: Convex Hull Class in buildConvexHull()
- Intersection Algorithm: View Map Logic File in calculateIntersection()
- Union Algorithm: View Map Logic File in calculateUnion()
- Pulling in current location is found in several places. Try
 - AutoCaptureHandler Class
 - getLocation()-requests the location
 - recievedLocation()-callback once location has been returned
- Capture of coordinates is simply pending intents
 - o Good example of the steps of this is
 - Settings Logic File in SetAlarm()
 - Starts the process
 - AutomaticAlarmHandler Class in onReceived()
 - Gets the intent to initialize the file
 - AutomaticCaptureHandler Class
 - Actually captures the location
- Area is built into Google Maps API and is a simple function call
- Displaying the Convex Hull on map overlay: View Map Logic File in mapSingleConvexHull()