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Udacity ud853 Final Project

Project Description

Application Name - AutoCorrect

My app shows a list of current driving alerts that are being reported by other users of the app. Possible alerts are “drunk driver”, “aggressive driver”, “safety issue”, and “Nice!” (for a nice car).

These alerts are datetime stamped and recorded with the GPS location of where it was reported.

Users will see these alerts in a list format. If they click on an alert, it will bring up a detailed view containing a map centered on the GPS location of the alert.

Users are able to share a particular alert via a ShareActionProvider.

Notifications are also implemented and are created when a green Lamborghini is spotted by a user.

To use the APK:

After launching the application, you will be in the “App Lobby” screen.

Pressing the second button “MONITOR NEW ALERTS” will start populating the content provider with new alerts.

This new alerts can be stopped (or you can just let the alerts continue) by pressing the third button “PAUSE ALERTS”.

You can press the first button “LIST CURRENT ALERTS” to see the new alerts populating the list view. You can then click on one to get a detailed view and a map showing the location of the alert with a marker.

To run/compile the code:

A Google Map Key will be needed. It needs to be entered in the Android Manifest file for the app to function properly.

Note – This is was my first attempt at creating this application. The “real-time” alerts are currently being randomly created by a service I created for this project. The alerts are inserted into a content provider. In my next version, the content provider would be populated by alerts coming from an endpoint on the Internet. The content provider could be populated by using a sync adapter. Another idea was to use Google Cloud Messaging (GCM) and have relevant alerts pushed to the user.