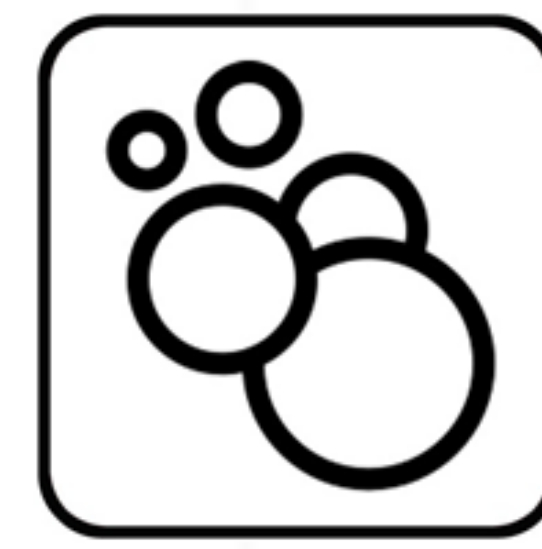




Jayhawk
Engineering
Design
Laboratory



BubbleUp



Dilesh Fernando, John Freeman, Andy Kunz, Diego Soliz, Stephen Wiss

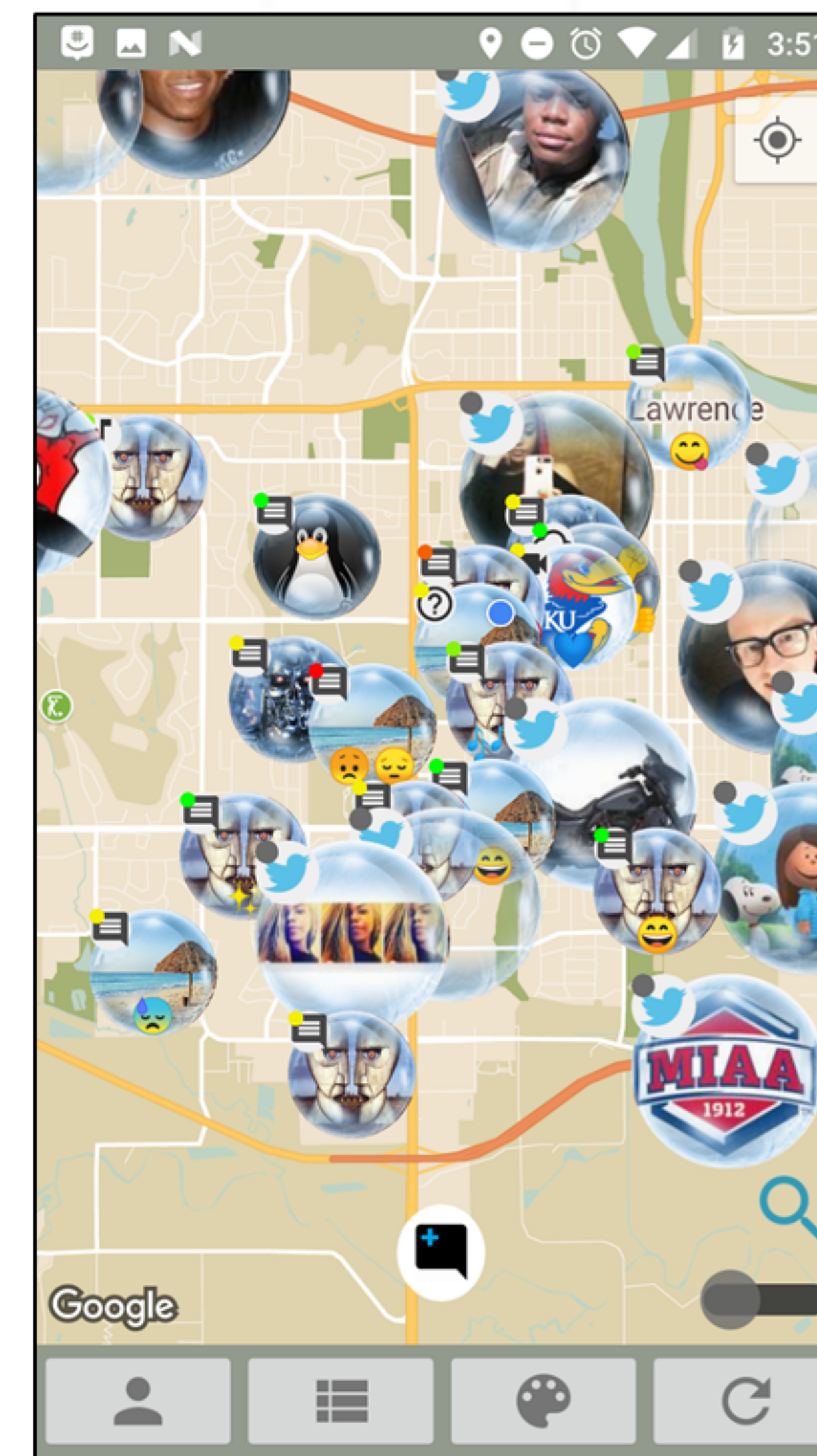
Description & Purpose

Our goal was to create an android application to allow users to create content tied to geographic locations.

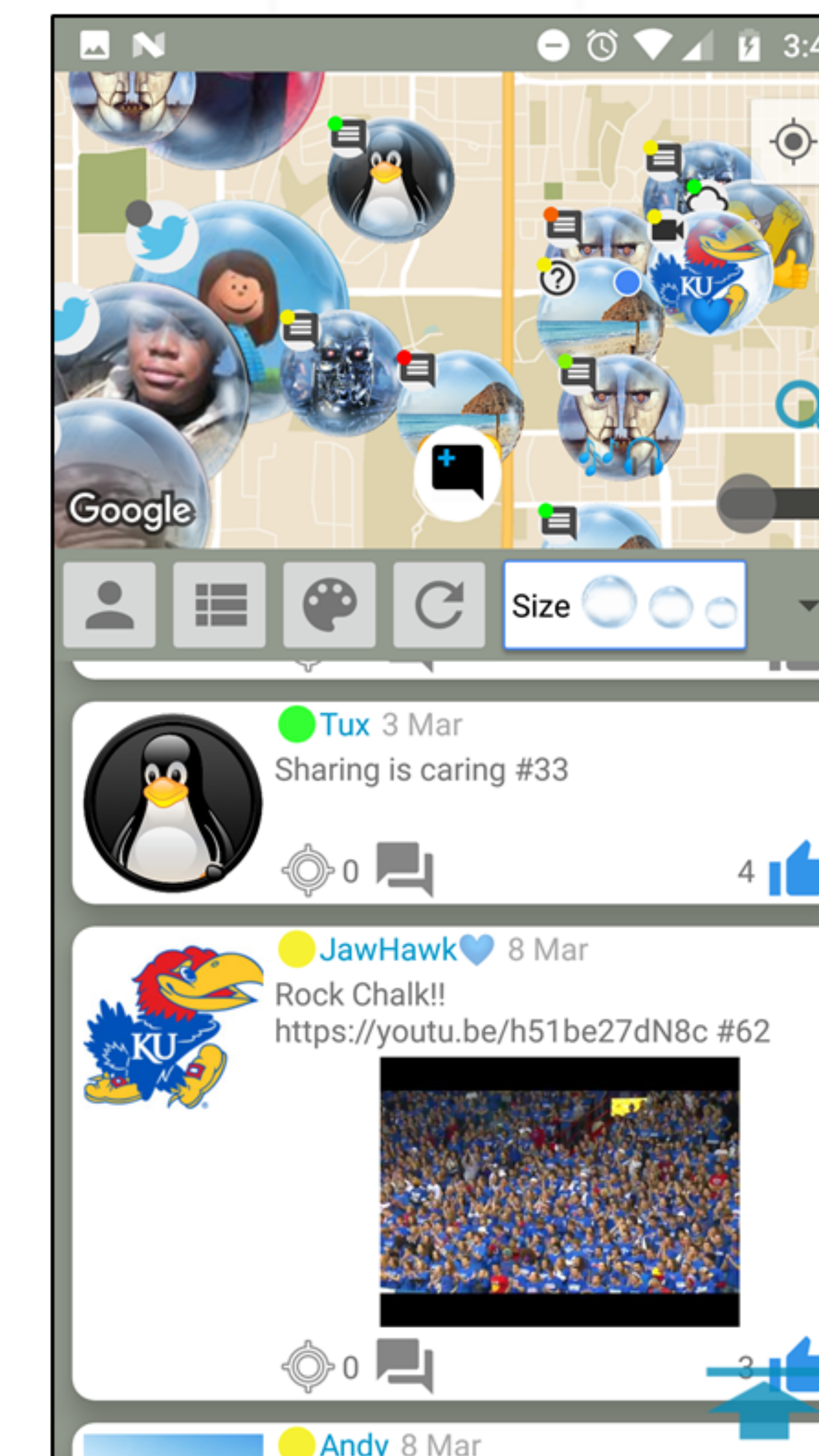
BubbleUp is a map with bubbles floating in locations representing posts. Each bubble can contain simple text, video, photo, or other information. Users can for example take a picture of some location, post it, and have it be viewable to others right on the map.

BubbleUp will run sentiment analysis on all posts for ease of browsing, to allow users to sort by type and positivity.

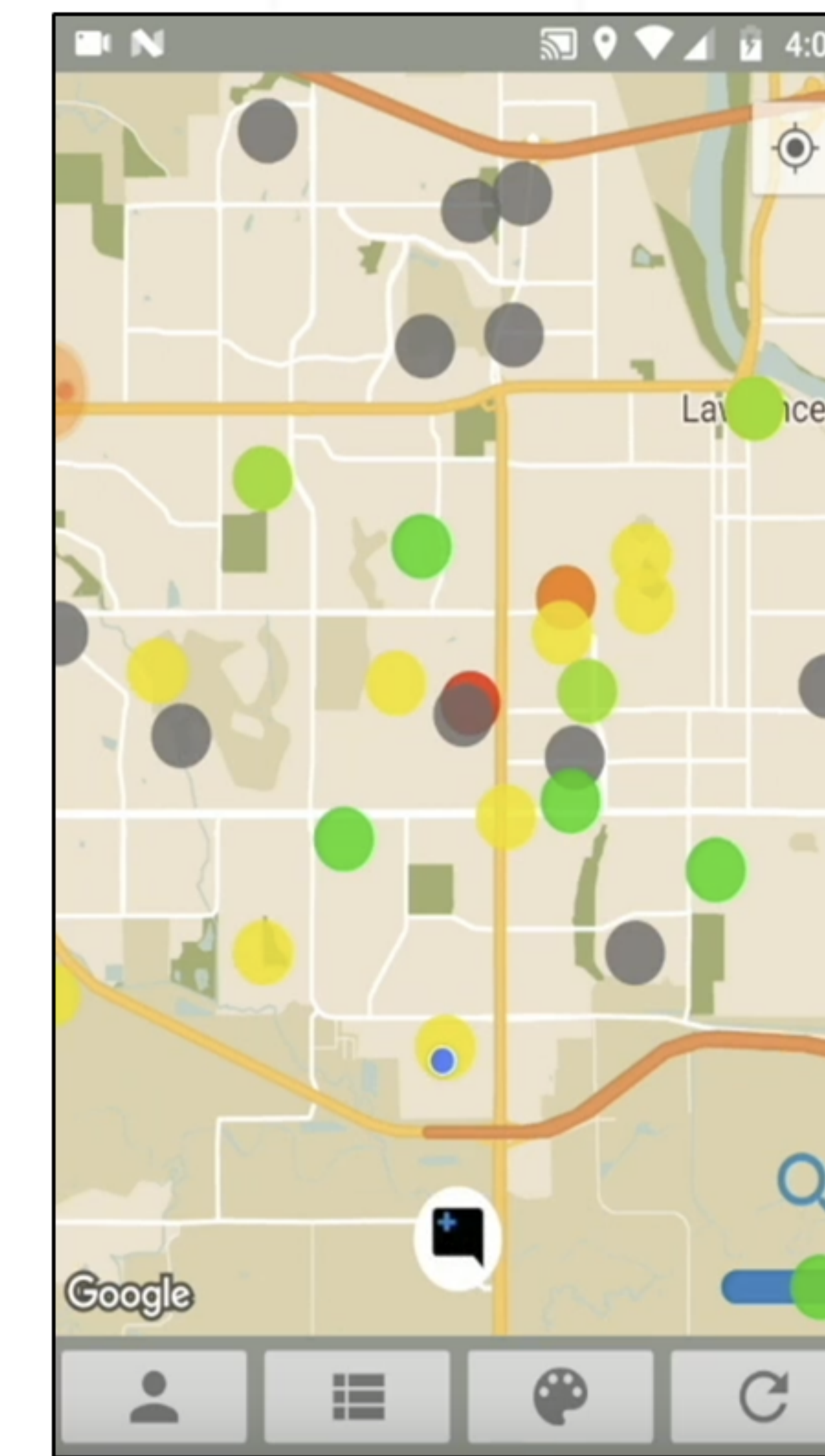
BubbleUp is implemented with an android frontend using Google's Maps API, a node.js middle layer, and various python backend scripts for data analysis and processing



Map View

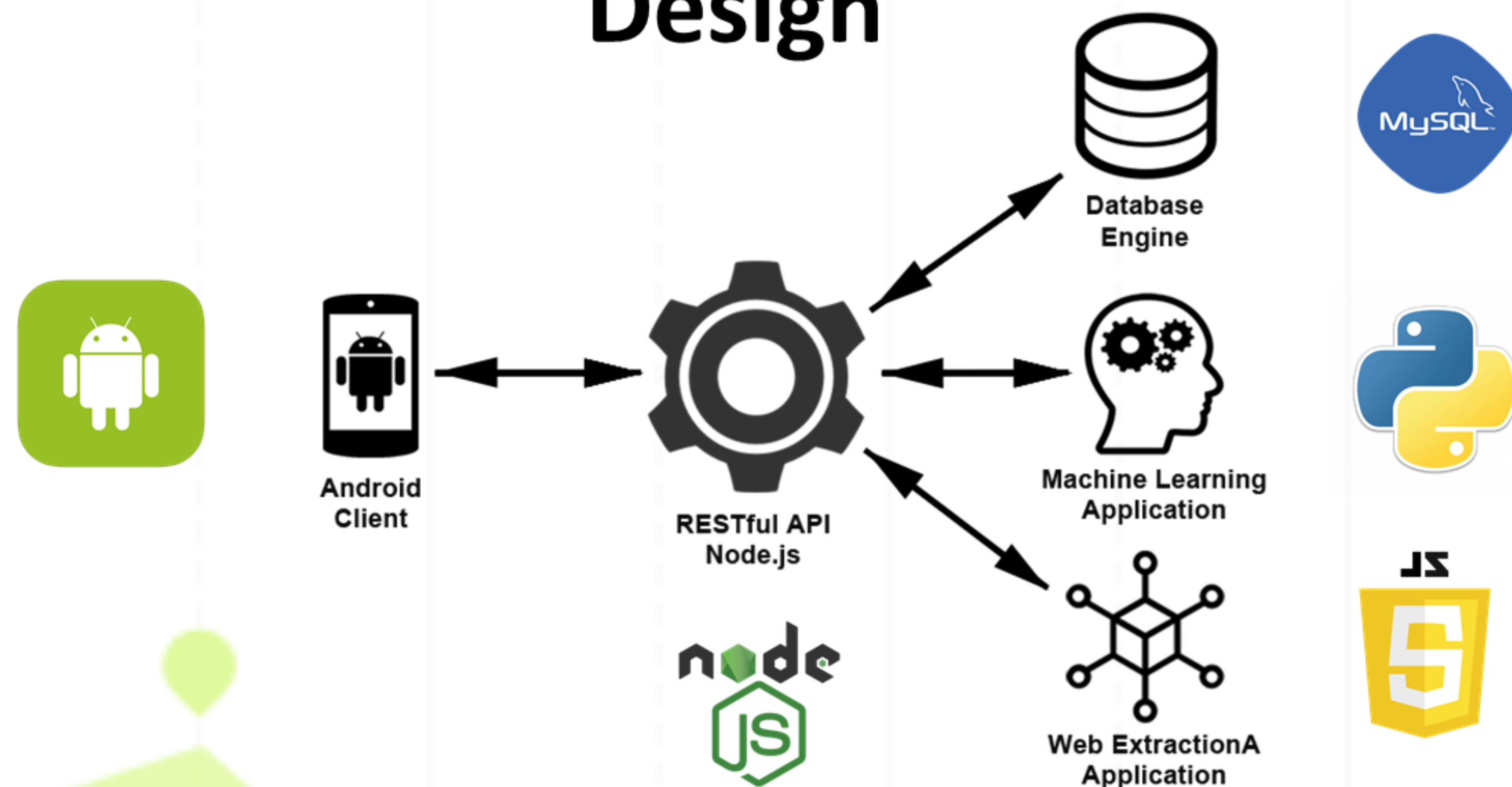


Map and List Views



Sentiment Heatmap

Design



Ethical & Intellectual Property Issues

Our application makes heavy use of third party libraries and tools, so we ensured that everything we used was under open source licenses.

Users will have to agree to have their location shared through native android permissions. Users likewise are unable to generate private content, and as such are aware that everything they post will be public.