Implementation details document

Main User specified location

1. First, we will get the input from the user the term or the name of the location that it is looking for.
2. From the Google Places API, we will suggest the terms for autofill and make the user select a specific name.
3. After the user selects a specific name, we will get the location data (I.e. latitude and longitude) of that location from the Google Places API.
4. This location data will be used to query Twitter API to get the tweets from the area surrounding the latitude longitude. For that area, a specific radius will be passed in the query.
5. From the late of tweets obtained from the query, we will search for the location name that the user wanted reviews about. These tweets will then be saved.
6. On these saved tweets, we will perform sentiment analysis and get the percentage of tweets that are positive and in our application UI, we will show this percentage along with the tweets to the user.

Suggested locations

1. For suggestions of nearby places, we will query the Google Places API for places surrounding the latitude longitude of user specified places and get the surrounding places.
2. Now from the data that we collected when we queried the Twitter API, we will find the tweets which contain these surrounding places respectively.
3. Then we will perform sentiment analysis on lake of tweets of each place and show the percentage of positive tweets that the location has garnered in a specific column of suggested places in the application UI.