Events Manager

Doodle Kit Sentiment Engine Use Case @ Hackathon Fall 2016

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INTRODUCTION

Sentiment Engine Use Case is about developing a web application for analyzing sentiment across public information using any machine learning tools. Our application aims at fetching real-time feeds using Meetup's RSVPs with appbase.io which is a hosted data streams API. Then sentiment analysis for the streaming events helps users to join.

On the backend, we use a NodeJS worker to fetch Meetup's RSVP API and insert them into an appbase.io app. On the frontend, we use jQuery to create the feed UI and query appbase.io in real-time with different keyword filters.

Based on the data fetched from Meetup, Sentiment Analysis is done using IBM Bluemix Alchemy API for the comments done for events. Also the event locations at different places are displayed on Google Maps.

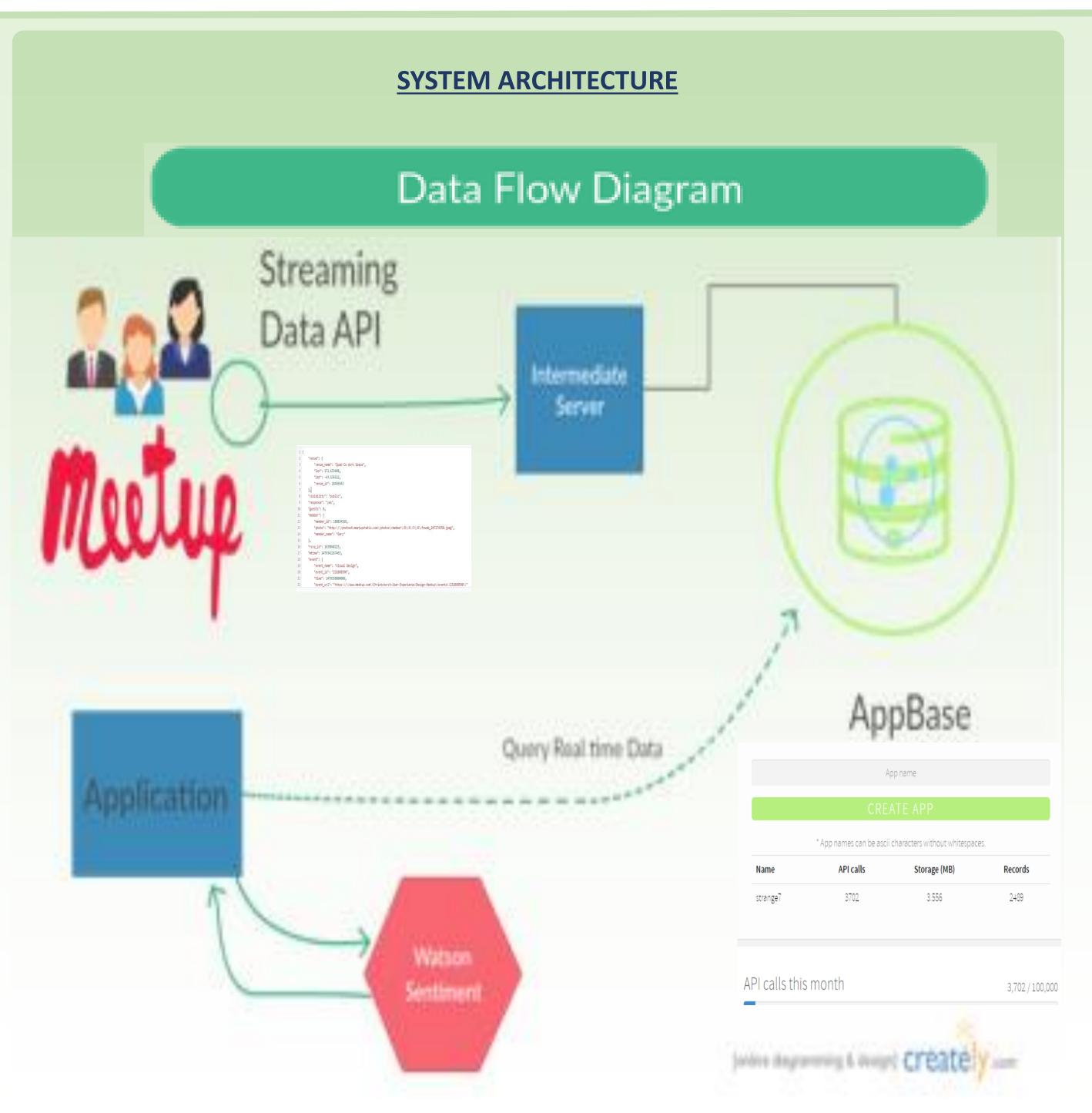### TOOLS & API's USED

SYSTEM ARCHITECTURE

APPROACH

RSVPS Data from MEET UP Streaming API gives event notifications of every user.

Event Id's from streaming data are retrieved to query the event comments API of Meet Up.

Assumption: Sentiment Analysis using the comments is the best source of event/group's activities and review.

FEATURES

Recommends user to browse events based on topics and helps make decisions depending on the sentiment and believe it or not all in real-time.

Projects the locations obtained through streaming data on to the google maps API.

Elastic search based querying and execution in Appbase.io app.

RESULTS