Team 27 Bi-Weekly Report 1 - Friday 16th October
Warner Music Group: Hit Predictor Project

Created by: Alexander Xu, Vicky Dineshchandra

Overview

Received a summary of the project we are working on, we are required to create an application that is capable of gathering and analysing real-time data to find unsigned talent. Attended a meeting with Warner Music Group where we met with the CEO Max Lousada and were given an introductory presentation. Also, met with the mentor of our project, Emmy Lovell, where we discussed the project in further detail. Researched the APIs and everything else that were required for the project. Organised a team meeting to discuss the roles in the project and share the individual research done.

Meetings

Thursday 8th October 2015

Meeting with Warner Music Group where we met with the CEO Max Lousada and were given an introductory presentation. We were later split into our teams to meet with the mentor of our project, Emmy Lovell, to discuss the project in further detail. We were informed about what was required by us in the project and that we were to be given access to the Youtube API via an API key.

Wednesday 14th October 2015

After gaining access to the Youtube API via an API key, we organised a team meeting with team 28 to discuss the roles for the project. We shared the research we had done and discovered that we would need to gather data that includes subscriber count, view count, number of likes, number of comments and number of videos. However, we also discovered that the Youtube API has limited capabilities. The Youtube API is unable to filter out channels by the number of subscribers meaning that we can only filter by category. This means we would receive a large number of channels, which we would have to store in our database and filter out manually. This is an issue we will need to resolve.

Task Completed

- Met with mentors at Warner Music Group
- Spoke about the project at a high level
- Met with the complementing team (Team 28) to discuss how to split workload
- Viewed the YouTube API
- Viewed the content management API
- Created a paper draft of workflow
- Set deadlines for other parts

Problems

- Content management API
- YouTube API has limited access, so we'll have to see it.

Plan

- Create a workflow diagram
- Become more familiar with the Youtube API and Spark

Individual Section

Alexander Xu

I had a meeting with our project mentor, Emmy Lovell, to discuss to project in more detail and anything that is required. Also, organised a team meeting with team 28 to discuss roles, research and ideas. Kept in contact with our project mentor via email to discuss additional information or any issues with the project, and emailed about API access. I also did some research on the APIs required for this project to gain a better insight on the capabilities and limitations.

Vicky Dineshchandra

 I met with Team 28 and our mentors last Friday and we spoke about the initial ideas that Emmy (our mentor) wanted in the project. From this, we waited for the API keys to see what we can actually build with it and this helps us decide what we will be doing on a higher level. I shared my experience from other projects where I've used APIs to do similar things. I also suggested

we use data mining and split this project into different components which interact with each other, so there is a clear workflow, although the technology we will use is undecided.