The name of the person in my group is me (Andrew Raymond). My NetID is andrew46. I will be the team captain.

My free topic is to perform sentiment analysis on music releases based on reddit posts/comments. The idea would be to give the user to search a song or album and be able to gather community feelings to whether it’s a good song/album. This is interesting because it can help people decide whether to listen to a new album or decide if a new single is liked or disliked by fans of the music. My planned approach would be to extract the data from the reddit API using python and then perform sentiment analysis to display the user with a ranking/overall score of the album. I will use the r/music reddit thread for the data. I will use the Reddit API and Python to build the logic and perform the analysis. Results will be displayed using some sort of HTML website or data visualization tool. The expected outcome is to have a tool that the end user can use to see if a song/album is liked by listeners. To evaluate my work, it will be considered a success if a user can pick any song and have it search for sentiment based on reddit comments, if the tool returns a score, it will be considered a successful. The score can be compared to manual review of comments to gain a sense of attitude towards the music to see if the score is correct.

I plan to use python/HTML/Javascript to complete this task.

Steps and planned activities

* 1. Interfacing with the Reddit API to gather data on music – 5h
  2. Building sentiment analysis logic/debugging – 10h
  3. Building UI/dashboard for user to interact with – 5h