Retrospective meeting -

Our group has chosen a fairly difficult project.

Daniel has successfully gotten the website working very well, with music play buttons added and music is able to play on the website. The final thing that needs to be done on the front end is the JSON request for the sql database information so that it communicates with the front end and displays things the way we want them to.

The last step would be to have TF chose what is to be played/displayed from within the database, but this is where we are running into difficulty. Using Tensor Flow and machine learning has proven to be very challenging. Connor has thought of using *Vowpal Wabbit* as an easier machine learning implementation that could work instead of TF. The group members working with TF have not yet figured out how to properly implement TF into the back end or how to get TF to "see" the music so that it can learn. We also don't know how to get TF to communicate with JavaScript. Because of TF's degree of difficulty, we have decided to use Microsoft's Vowpal Wabbit instead, so we will be using basic machine learning rather than a complex neural network. We should improve the teamwork going on within the machine learning back end because it is so difficult and we are starting fresh with it.

We had also planned to do some things - like set up accounts and obfuscate music files - during the last retrospective meeting but these ideas have been set aside so we can get the machine learning working because this is a very key part to our project.

What worked
- Restify was much easier to use than expected for prototyping and implementing the API
- SQL database was pretty ease to add to using the workbench program
- Front End implementation of audio player worked like a charm.

What didn't work
- TF stalled -- can't figure out how to use music with it and have it learn the way we want it to.
- Configuring deployment with Travis CI was harder than expected
- Communication with regards to machine learning was not as good as it potentially could have been
- Trying to feed music into Tensor Flow has been very hard
- Teeeeeeam work

TO DO…
- JSON request for database information
- More information about song is necessary for machine learning
- Need to figure out how to integrate machine learning with JavaScript - connecting back end and machine learning stuff!!!!!!!!!!!!!!!!!!
- Switching from TensorFlow to Vowpal Wabbit
- Possible a scrubber on website