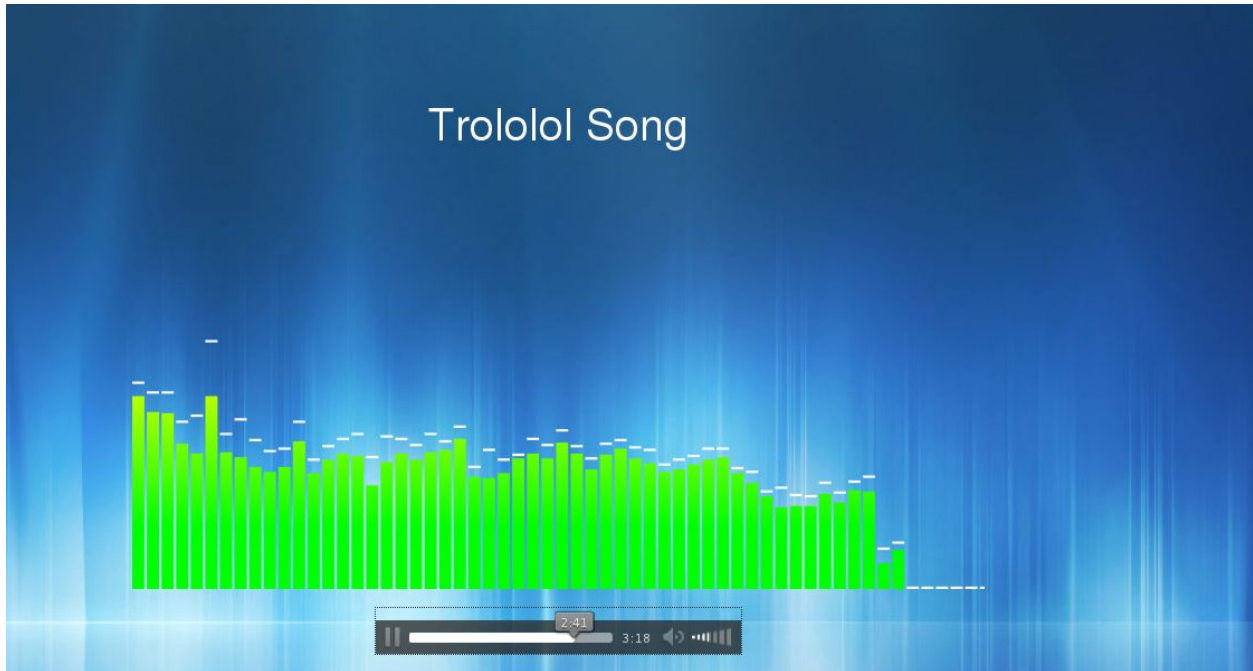


Final Report CS2610 Spring 2017

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I built a music streaming application that lets a user upload a song that can be streamed from anywhere upon uploading. When the user uploads an mp3 file, they will be given a generated code that can be used to access that song. The user clicks upload and uploads a song. If everything is successful, they will see a success page and the ID code generated. If a user would like to retrieve a song, they go to the home page and select retrieve. From there the type in the ID code and it will take them to a page that will stream them that song.

I achieved everything I set out to after modifying my proposal and also included a cool music visualizer. The way I had originally written it I didn't need javascript so the music visualizer is a set of javascript functions that I feel adds a nice touch.

I actually started this project from scratch. Instead of using python 2.7, I used the latest version of python 3.4 and latest version of django. 1.11. In order to do so, I had to install python3 in cloud 9 and reconfigure it all from the ground up. It was well worth it though.

I feel my project distinguishes itself from other pieces of work because it is super simple to use and there is no login required to upload or retrieve a song. Also no ads ;)

I learned along the way new models for the database. Specifically `models.Filefield()` as well as a better understanding for static and templates.

INSTRUCTIONS FOR GRADER:

Because this is not running the default cloud 9 setup people are used to, there are some special steps you need to run to get everything working right.

Step 1: Go to the workspace: <https://ide.c9.io/aderbique/webtunes>

Step 2: Navigate to project: `cd /home/ubuntu/workspace/`

Step 3: Enable virtual environment: `source myenv/bin/activate`

Step4: Start Django Application: `python3 manage.py runserver 0:8080`

The webpage will now display at: <https://webtunes-aderbique.c9users.io/>

There are already several entries in the database. If you would like to test the retrieve function, use an ID of 10, 11, or 12.

If you would like to use the django admin interface:

<https://webtunes-aderbique.c9users.io/admin>

The username is: Admin123

The password is: Admin123

If there are any other questions you have, please message me through canvas. Thanks!