“iMuZiK – REAL TIME MUSIC FEED”

“GRADUATE PROGRAMMING PROJECT”

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(CPSC 473 - 01)

WEB PROGRAMMING AND DATA MANAGEMENT

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CPSC 473-01 "WEB PROGRAMMING & DATA MANAGEMENT" (GRADUATE PROGRAMMING PROJECT)

1. Project Description

This project is a web application where Tracks are being "**Scrobbled**" from "**Spotify, YouTube, SoundCloud**" and pretty much every other major music streaming service. A Google Apps Script polls "**Last.fm**" every minute and logs the tracks to a "**Firebase database**". This **React** component watches that database and renders the five most recent tracks. Clicking on the tracks will direct the user to **YouTube** video of that track.

2. GitHub Link

- https://github.com/ammaralee/CPSC-473-Grad-Project

3. Installation Instructions

1. Install **Node.js** (https://nodejs.org) or **io.js** (https://iojs.org)
2. git clone https://github.com/ammaralee/CPSC-473-Grad-Project

```
Ammars-MacBook-Pro:Desktop Ali$ git clone https://github.com/ammaralee/CPSC-473-Grad-Project
Cloning into 'CPSC-473-Grad-Project'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 3
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
Ammars-MacBook-Pro:Desktop Ali$
```

Figure 1: Step 2

3. cd CPSC-473-Grad-Project

```
Ammars-MacBook-Pro:Desktop Ali$ cd CPSC-473-Grad-Project
Ammars-MacBook-Pro:CPSC-473-Grad-Project Ali$
```

Figure 2: Step 3

4. cd iMuzik

```
Ammars-MacBook-Pro:CPSC-473-Grad-Project Ali$ cd iMuzik
Ammars-MacBook-Pro:iMuzik Ali$
```

Figure 3: Step 4

5. npm install

```
Ammars-MacBook-Pro:iMuzik Ali$ npm install
npm WARN iMuzik@1.0.0 No repository field.
Ammars-MacBook-Pro:iMuzik Ali$
```

Figure 4: Step 5

6. npm start

```
Ammars-MacBook-Pro:iMuzik Ali$ npm start

> iMuzik@1.0.0 start /Users/Ali/Desktop/iMuzik
> ./node_modules/cross-env/bin/cross-env.js NODE_ENV=development node server.dev.js

Starting server...

Server started
Listening at localhost:3000
```

Figure 5: Step 6

4. Application's Functionality Screenshots

(On Saturday April 23, 2016)

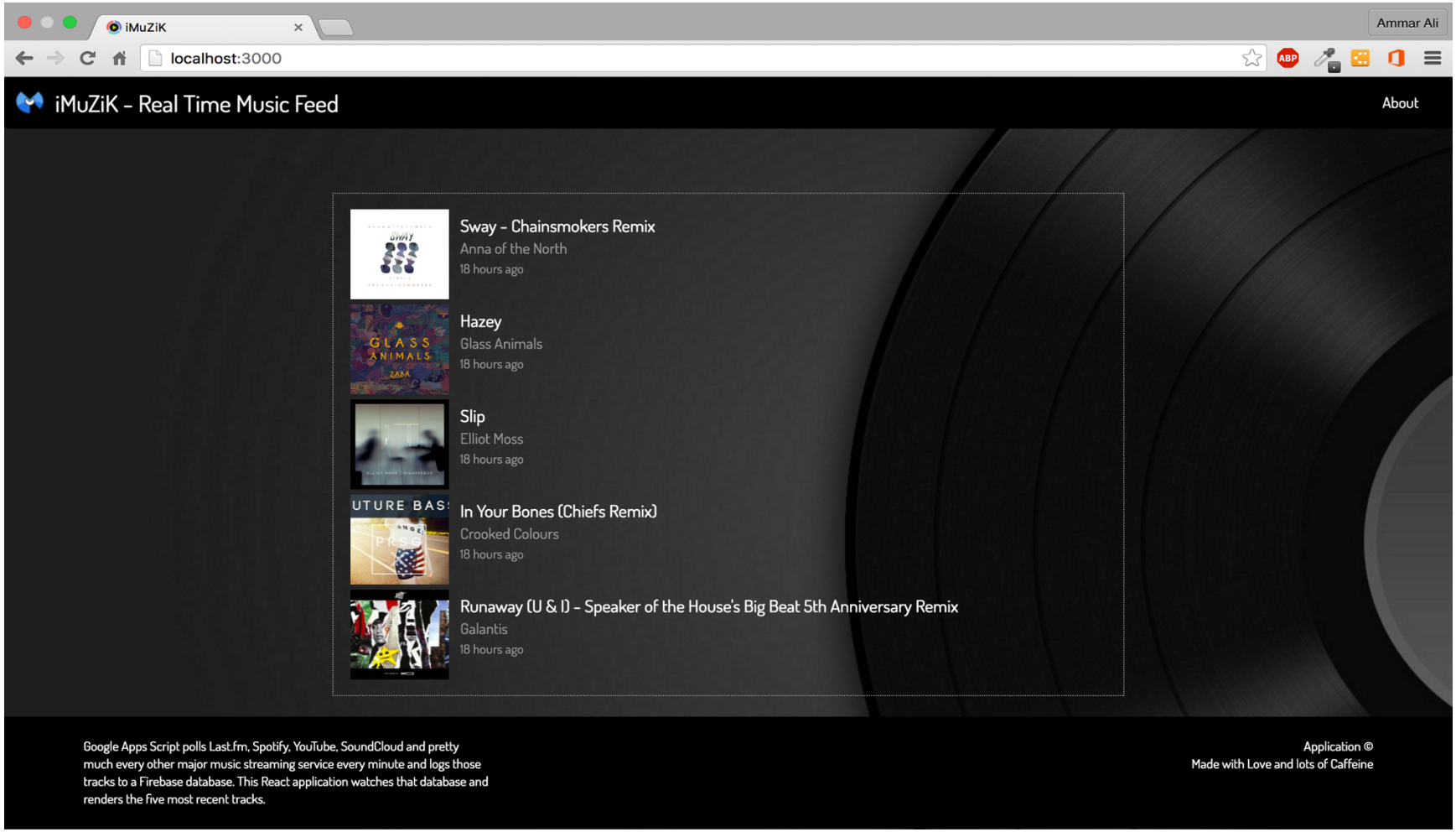

Figure 1: Homepage

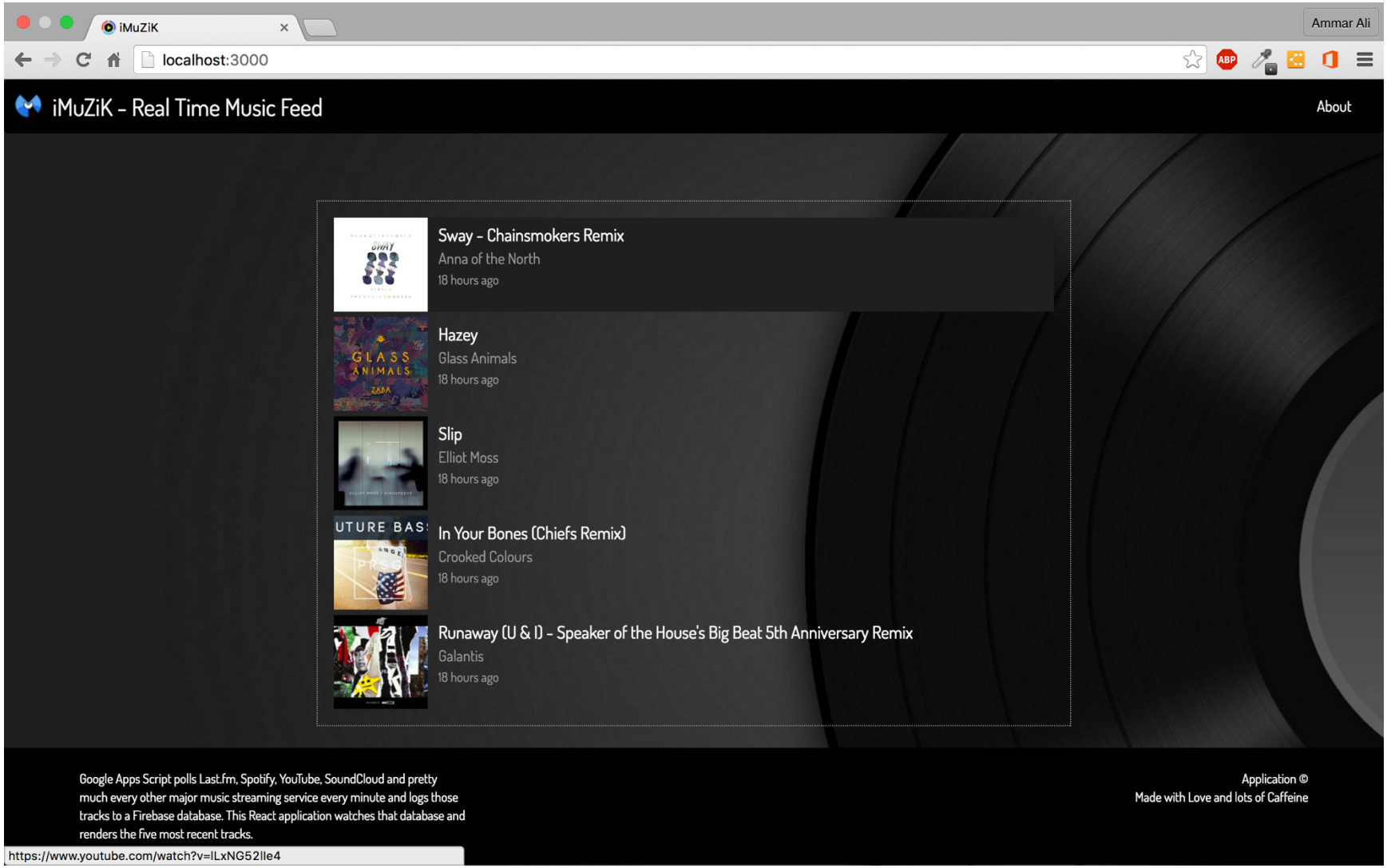

Figure 2: Track 1

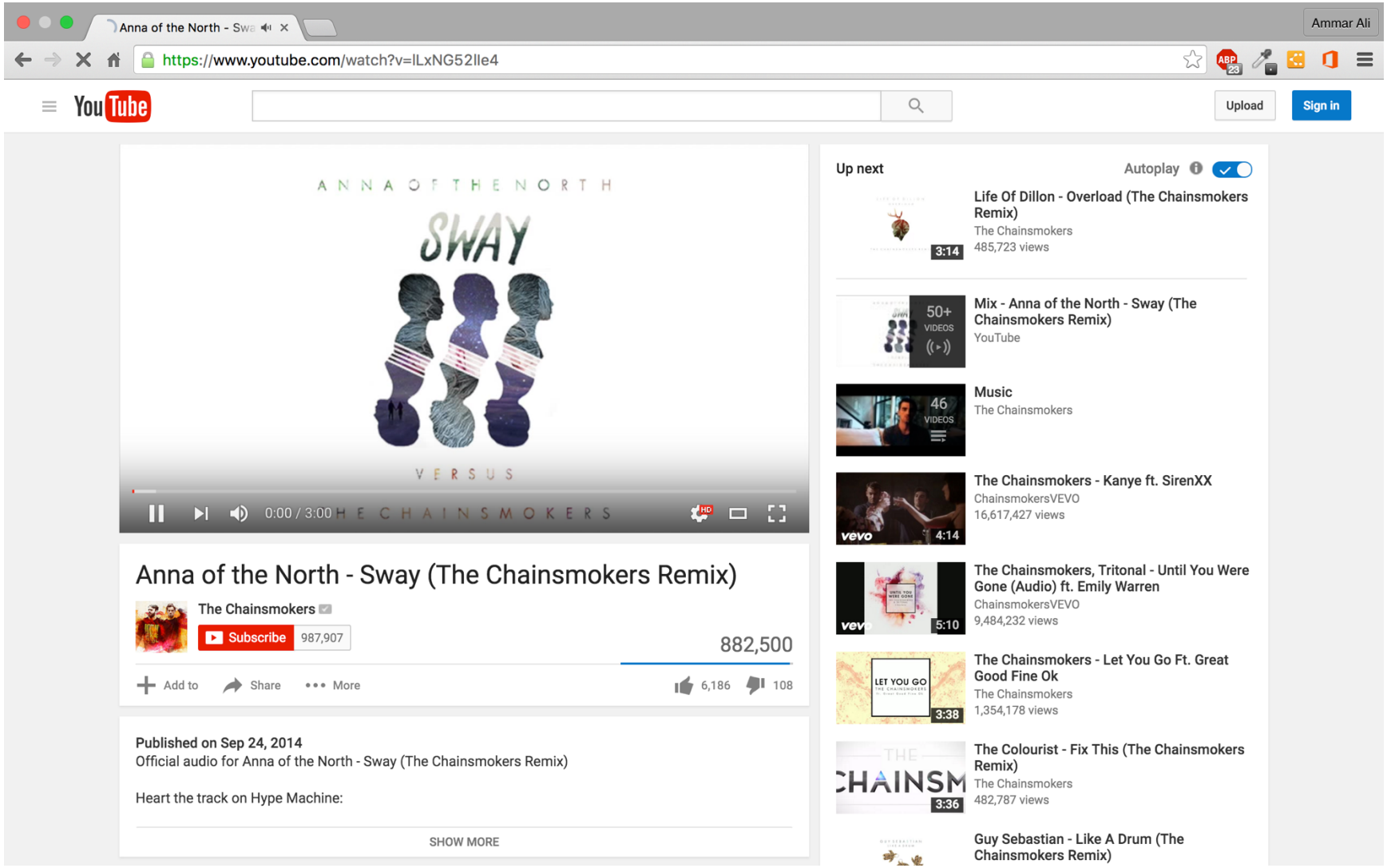

Figure 3: Track 1 (YouTube)

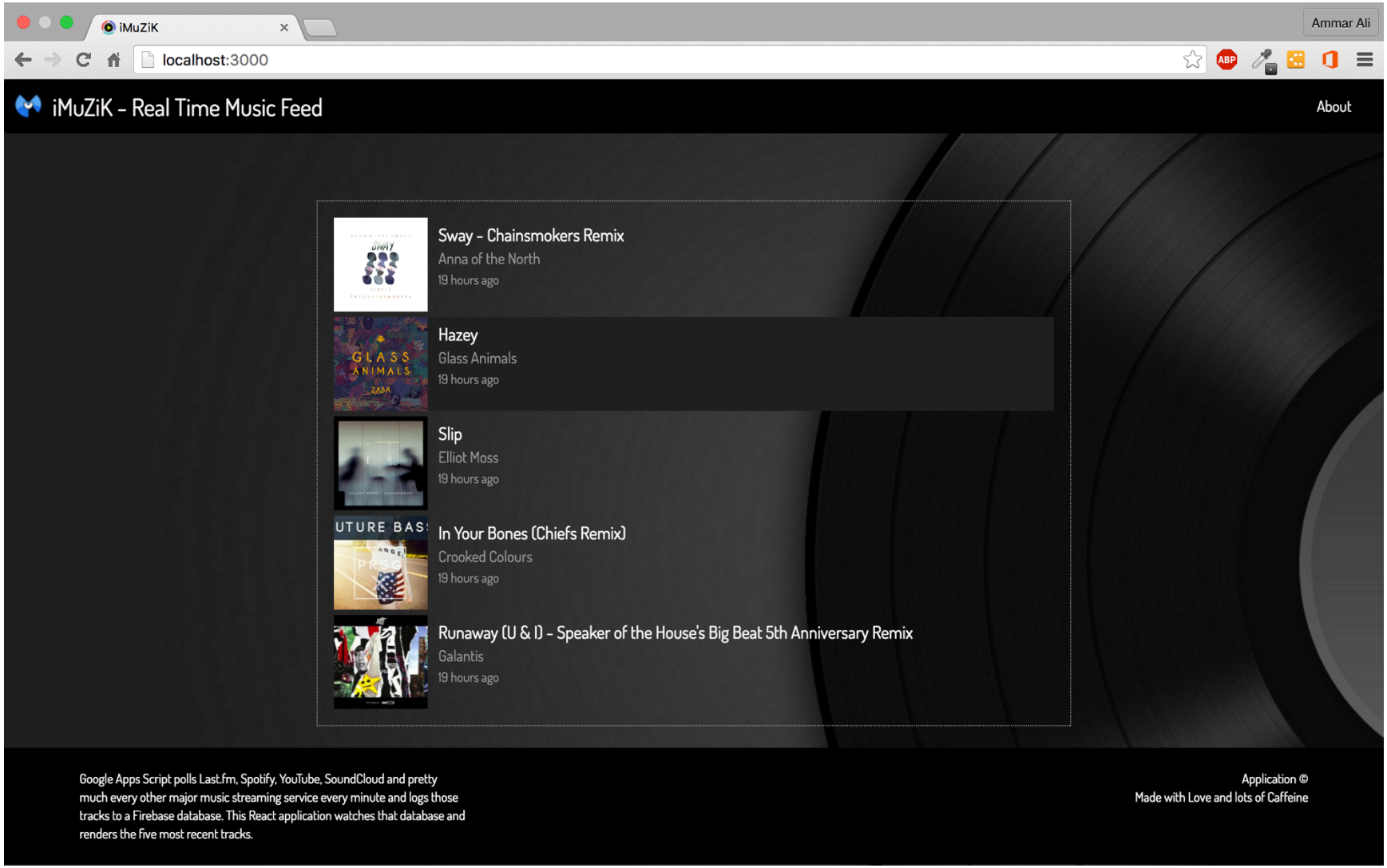

Figure 4: Track 2

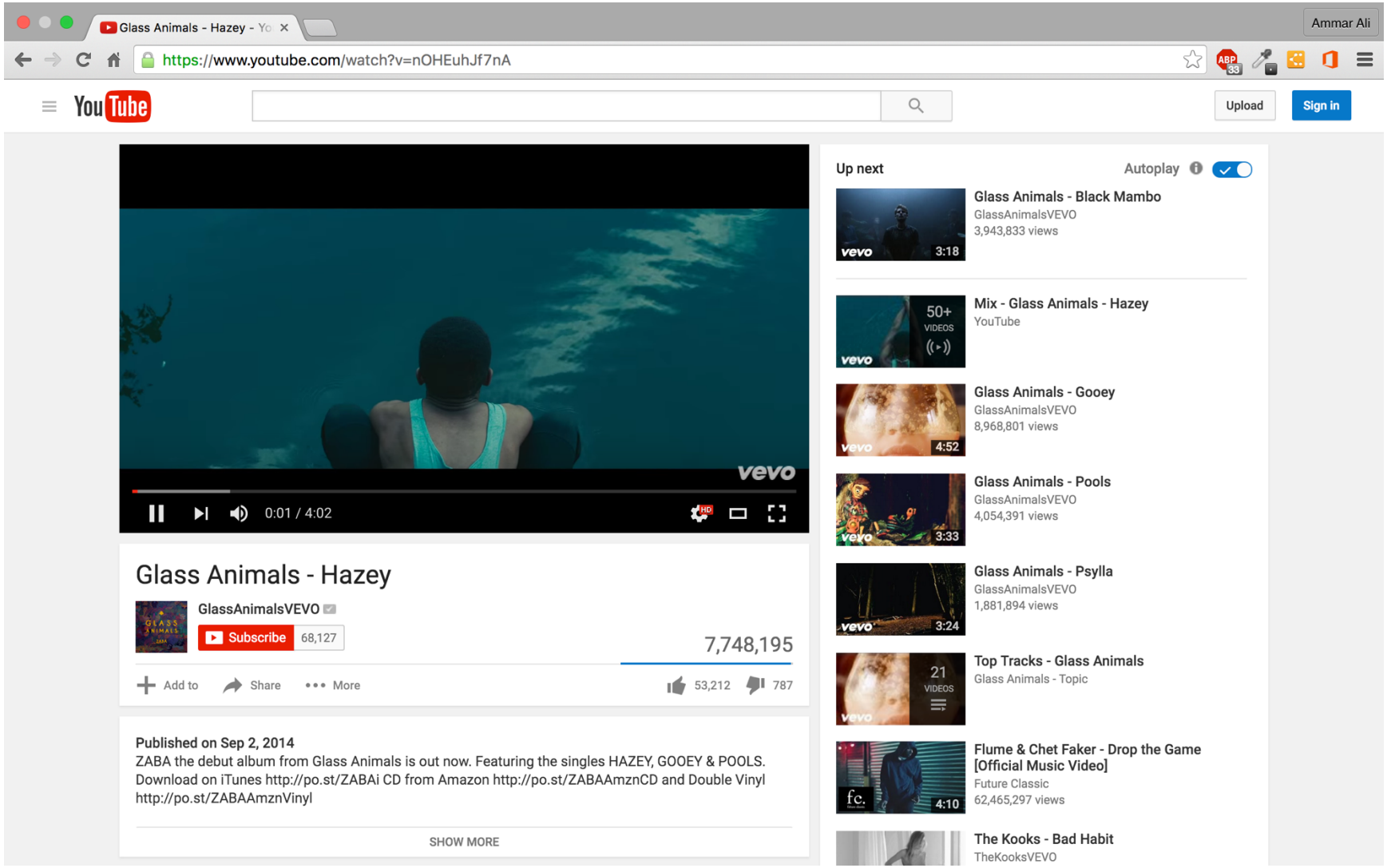

Figure 5: Track 2 (YouTube)

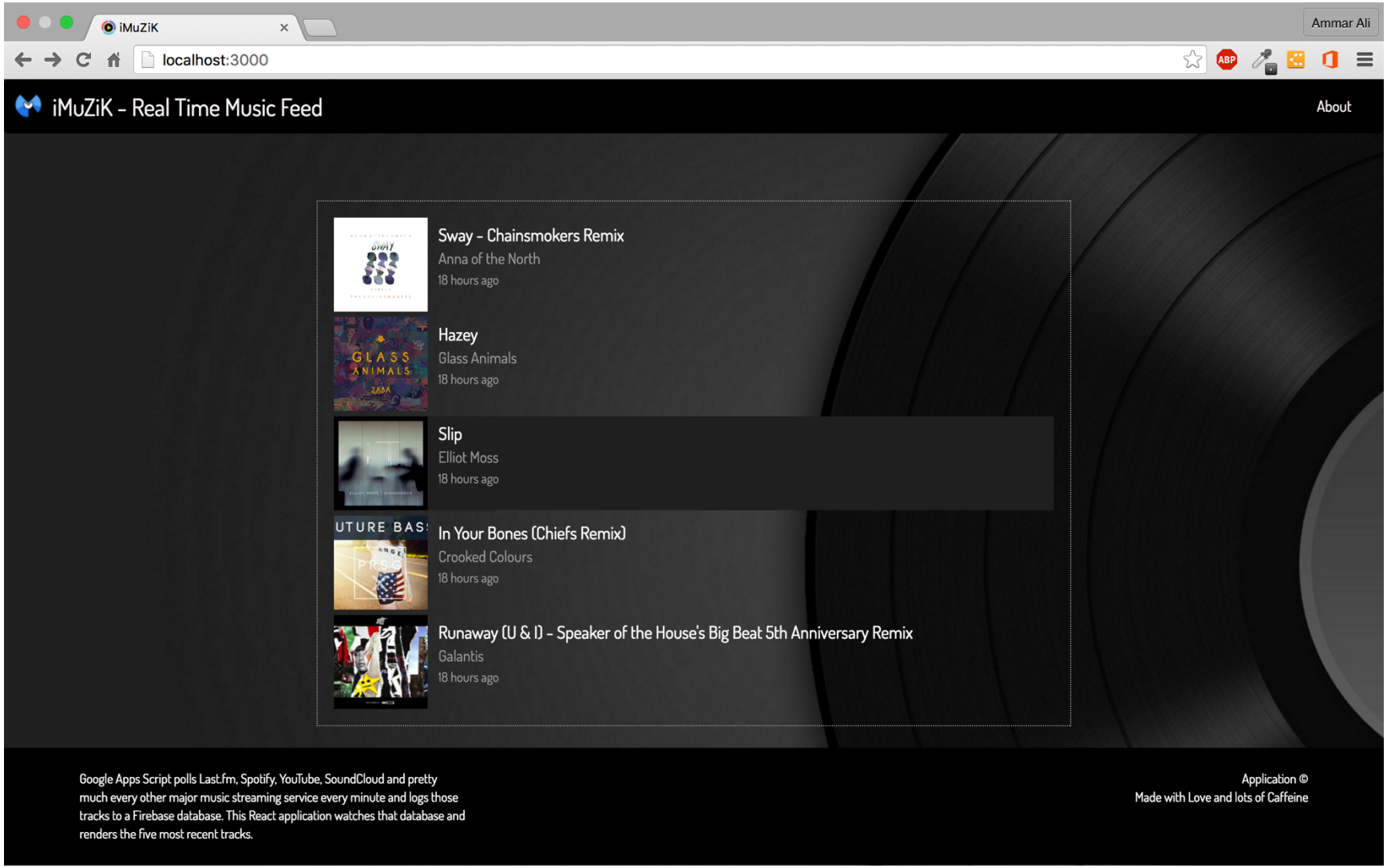

Figure 6: Track 3

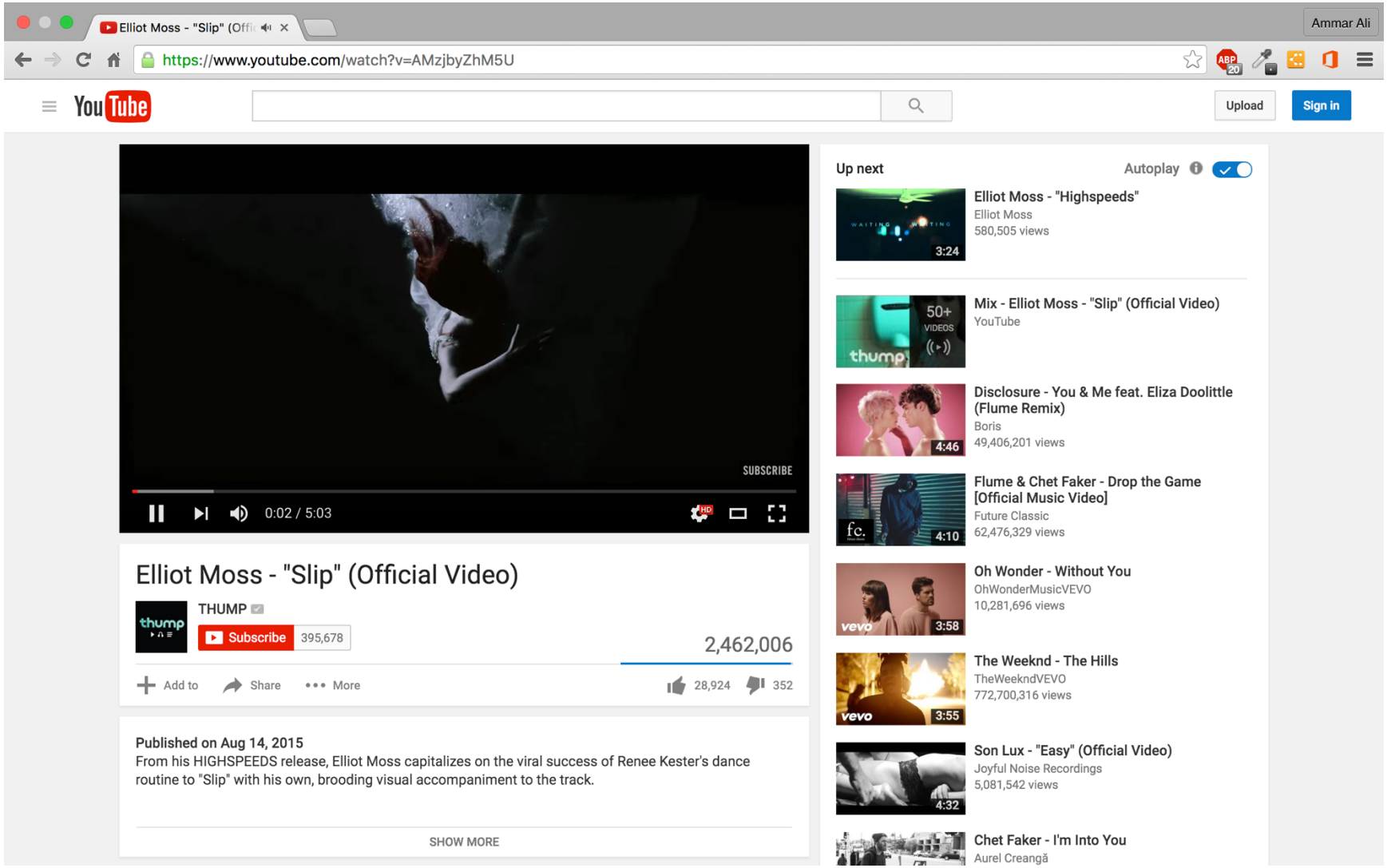

Figure 7: Track 3 (YouTube)

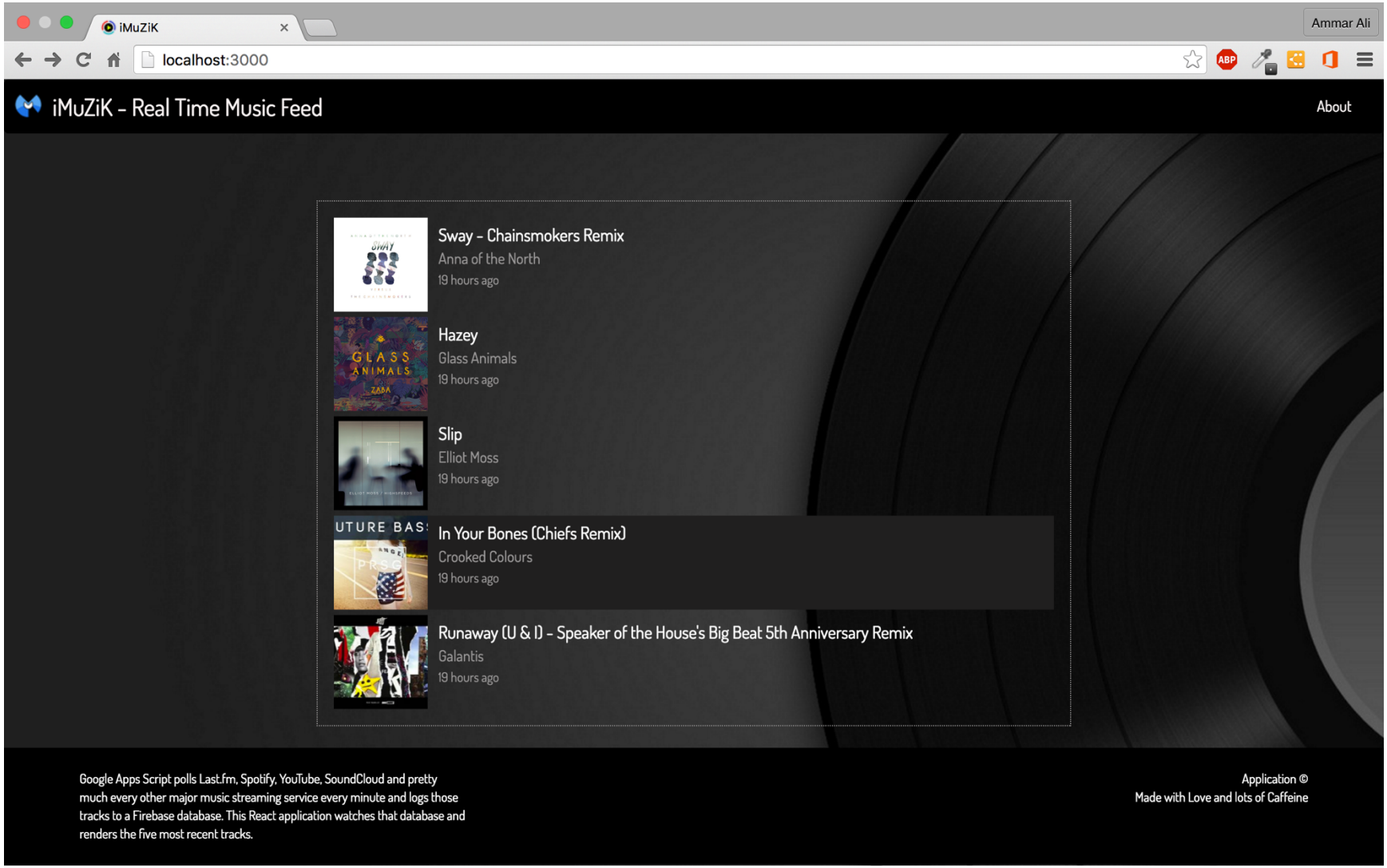

Figure 8: Track 4

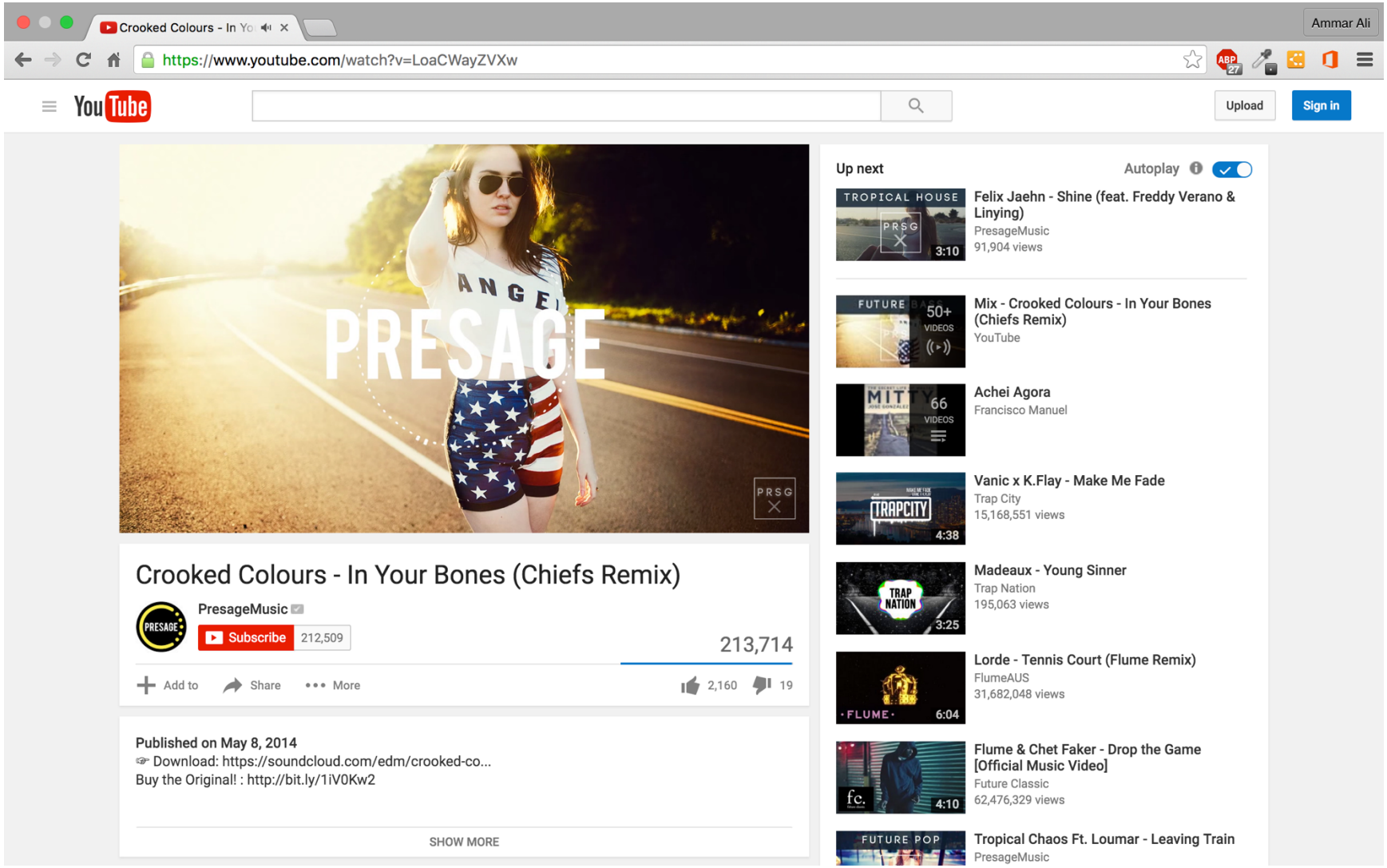

Figure 9: Track 4 (YouTube)

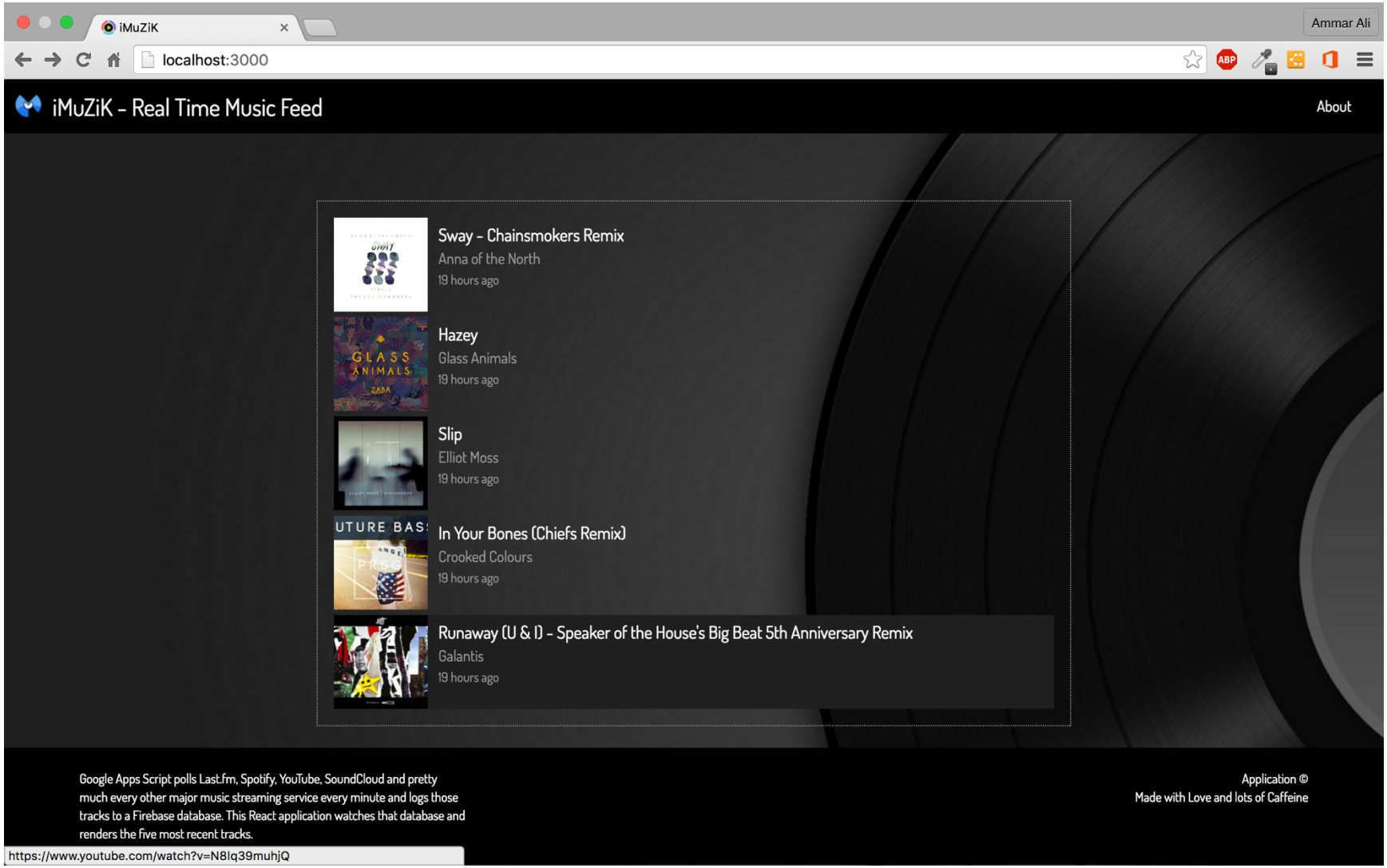

Figure 10: Track 5

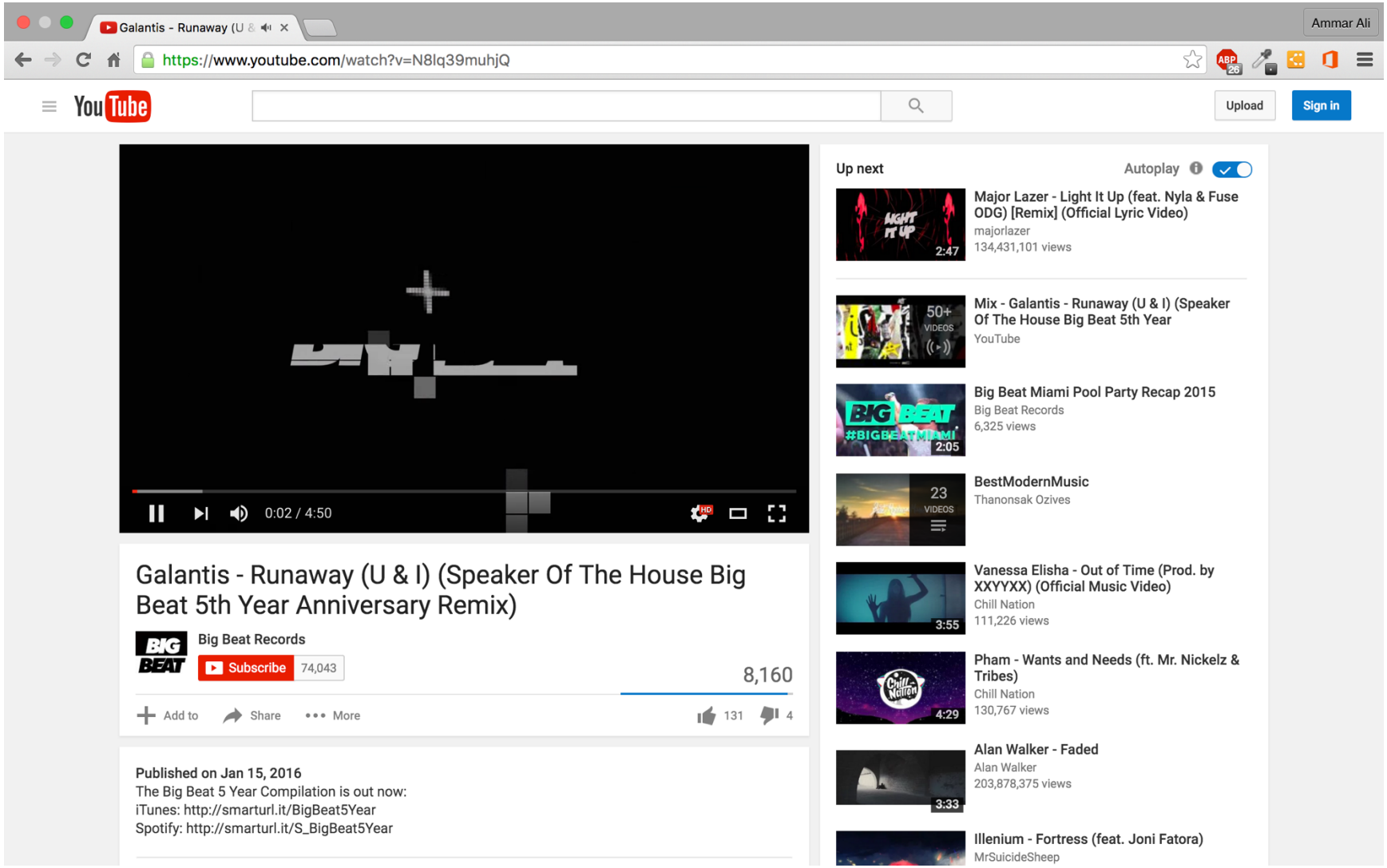

Figure 11: Track 5 (YouTube)