

# GHENT THING

youtube playlist issues

issues that i am wanting to fix:

tedious of adding songs

songs randomly getting blocked by the school district

ads

pop up delete window to help with mis click

clean/instrumental

using <https://github.com/yt-dlp/>

add functionality to add single songs without an artist for example ABC song or shreksophone

(flask or for a challenge, use react and learn it )front end to pick the song, make it look pretty

(yt-dlp and ffmpeg) back end

Component	Tool	Purpose
Song source	YouTube playlist or <code>.txt</code> list	Where you get the music
Downloader	<code>yt-dlp</code>	Downloads and converts to audio
Converter	Built into <code>yt-dlp</code> (uses <code>ffmpeg</code> )	Converts to MP3
Local storage	Folder on your computer	Holds MP3 files

Component	Tool	Purpose
Player	Any local player (e.g., VLC, or browser)	Plays the music

1. Download <https://github.com/yt-dlp/yt-dlp/releases/latest/download/yt-dlp.exe>
2. Install `ffmpeg` (can skip if you only need 720p videos)
  1. Download <https://github.com/yt-dlp/FFmpeg-Builds/releases/download/latest/ffmpeg-master-latest-win64-gpl.zip>
  2. Extract the files and find `ffmpeg.exe` and `ffprobe.exe` inside the `bin` folder
  3. Copy those two files to the same folder as `yt-dlp.exe`
3. Download a video
  1. Open windows explorer to the folder where you downloaded yt-dlp.exe
  2. In the address bar of the the folder that yt-dlp.exe is in, type `cmd` and press enter
  3. Then in the terminal window that opens, type `yt-dlp "URL"` replacing `URL` with the link u want to download.
  4. Wait for your video to finish downloading :D
4. Skim through the documentation <https://github.com/yt-dlp/yt-dlp#readme> to learn about more features
5. (OPTIONAL) Add the yt-dlp folder to PATH <https://www.java.com/en/download/help/path.html>

<https://github.com/yt-dlp/FFmpeg-Builds>

## make a installation guide for ghent

button to press the play a students playlist, downloads that students playlist on the back end, plays it, move student to back of the list of students so that way another students playlist gets picked. once class period ends, and button is pressed again, offload previous students list, and download next one.

going to need a flag to find clean/instrumental songs. prefer non clean/instrumental, but if cant find a clean song, look for a clean/instrumental song

since students give the artist, going to need to randomly pick a few songs from that artist, possibly top 3 or 5 songs of that artist.

playlists can be longer than a class period, allows for a song not to be played over and over again

input will probably be tedious.

input will:

- class period

- student name

- artist name - this will be in a loop until a exit case is thrown

- (maybe more things if something comes up.)

input will be stored in json or txt or something. maybe work with a database type like MySQL or something

output is the front end, work with mrs ghent for what she wants it to look like

period 1

- student a
  - artist
    - song 1
    - song 2
    - song 3
  - artist
    - song 1

- artist
- artist
- student b
  - artist
  - artist
- student c
  - artist
  - artist
  - artist

rotating list, once student a has been played, move student a to bottom of list so student b is the next one in line.

period 2

- student a
- student b
- student c
- 

use docker?

Python, Flask, MySQL, React

figure out if i can use docker and other dependencies on her computer

```

.\.venv\Scripts\Activate    # Windows
source venv/bin/activate    # Mac

```

backend

```
cd backend
```

```
pip install -r requirements.txt
```

```
py app.py
```

<http://localhost:5050>

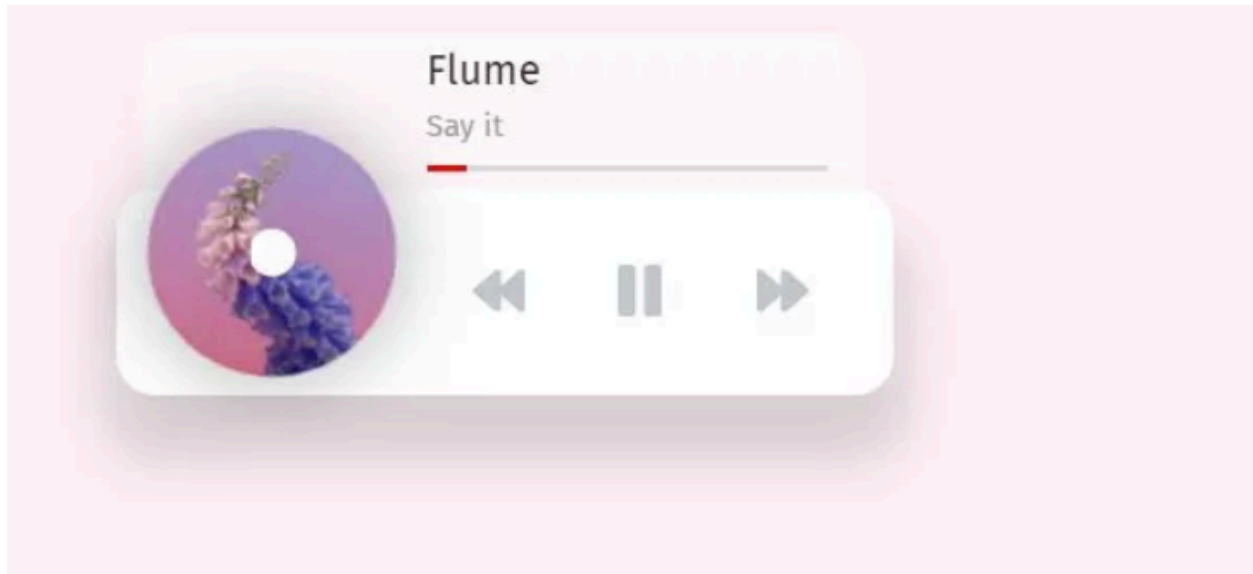
frontend

```
cd frontend
```

```
npm install
```

```
npm run dev
```

<http://localhost:5173>



on render maybe? mrs ghent talk about it

if SQLite has issues, delete classdj.db

test choco install ffmpeg

<https://onaircode.com/bootstrap-audio-music-player-examples/>

scroll down to number 11 is the one i like maybe ask mrs ghent what she likes and whatnot

