

## Read Me

### The Quarantine Playlist - Group 4

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Download the zip : group4\_quarantine\_playlist.zip











Unzip to a directory/folder.

#### Project Structure :

1. quarantine\_playlist.py ( **Main File** )  
Handles user inputs and interface and shows recommendations
2. web\_scraping.py  
Handles Web Scraping from all sources
3. EDA\_combine.py  
Displays graphs and various visualizations required
4. tv\_show\_recs.py  
Contains code to recommend a user with tv shows
5. songs\_recs.py  
Contains code to recommend a user with songs
6. books\_recs.py  
Contains code to recommend a user with books
7. Three xlsx files

#### Steps to setup :

1. Create an API Key of Last-FM. <https://www.last.fm/api/account/create>
2. Change current directory (Spyder/IDLE) to the location you unzipped at. ( Make sure you can see all the files in the project structure as in the Screenshot below)
3. Copy and Save the API Key in the file : **web\_scraping.py** just below the import statements

Name	Size	Type	Date Modified
 books_rec.py	2 KB	py File	5/1/2020 5:17 PM
 EDA_combine.py	4 KB	py File	5/1/2020 5:17 PM
 export_dataframe_show_merged.xlsx	8 KB	xlsx File	5/1/2020 6:04 PM
 Merged_Book_Data.xlsx	16 KB	xlsx File	5/1/2020 6:07 PM
 quarantine_playlist.py	10 KB	py File	5/1/2020 6:03 PM
 Read Me.pdf	58 KB	pdf File	5/1/2020 5:20 PM
 songs_merged.xlsx	23 KB	xlsx File	5/1/2020 6:04 PM
 songs_rec.py	3 KB	py File	5/1/2020 6:03 PM
 tv_show_rec.py	7 KB	py File	5/1/2020 5:17 PM
 web_scraping.py	18 KB	py File	5/1/2020 5:17 PM

The current directory should include the files above.

Highlighted file (quarantine\_playlist) is the main file you will be running.

### Installations :

1. Install word-cloud using **pip install wordcloud**

### To Run :

We have already provided the scraped data as we are fetching from multiple sources to create the dataset our application works on .

But if you want to scrap new data you can simply do that by setting the flag *scrapeData = True* in the file quarantine\_playlist.py

- Run the file quarantine\_playlist.py .
- You would see Visualizations at first and then user input
- Enter the requested information for us to recommend to you playlist.

### Common Errors :

**FileNotFound** Error : the file is not available. Set flag *scrapeData = True* in the file quarantine\_playlist.py and run the program again.

### Instructions and Video :

You can go to the following link where we run the demo on how to create a playlist for.

Link to our demo (~ 3 mins) : [https://youtu.be/S97\\_mkERuqk](https://youtu.be/S97_mkERuqk)