USERS GUIDE

**Link to PowerPoint:** [**https://docs.google.com/presentation/d/1SxjGPdrRULUspkbHhK7nWNva\_tWyvgdYobzotgDNhdg/edit?usp=sharing**](https://docs.google.com/presentation/d/1SxjGPdrRULUspkbHhK7nWNva_tWyvgdYobzotgDNhdg/edit?usp=sharing)

**Important links/Information:**

* Link to different playlists and test data: <https://docs.google.com/spreadsheets/d/1BRpdSmrDEblFtOwGiDgVSYZQBC_sTv9o8rLY_lGFkiU/edit?usp=sharing> Link to playlist is the first sheet, test data is the second sheet!
* You can use the test data when you run the PlaylistClassifier program, when you have to input links to tracks to see if they will fit into the playlist. The links are the links representing the track in Spotify.
* Get more links to songs by going to <https://play.spotify.com/> , logging in, and seeing the playlists that you are following (Ex. “Today’s top hits”). To
* Authentication information (program will open a link requiring you to sign in the first time you run it)
  + Username: itsdoable156
  + Password: welovecs

**How to set up the program:**

Follow video tutorial here which goes through all the steps (including setting up the program, running the program, and demo with new song data at the end): <https://www.youtube.com/watch?v=Vv-YmZIJShg&feature=youtu.be>

* Download PyCharm (Python IDE)
* Configure Python Intepreter
* Install packages: numpy, spotipy, pandas, scipy, scikit-learn, sklearn
* For both TrainingSetGenerator AND PlaylistClassifier, insert your Script Parameters and environmental variables in Run>Edit Configurations

Script Parameters:

"itsdoable156"

Environmental Variables

Name                         Value

SPOTIPY\_CLIENT\_SECRET   f5df88f1cd264bbb95fe4dcc3d726c40

SPOTIPY\_CLIENT\_ID              517a83b55fab47d497ee7959e5d79942

SPOTIPY\_REDIRECT\_URI     http://localhost:8000

* Run TrainingSetGenerator first, then the PlaylistClassifier

**How to run the program (after you have set it up and downloaded the necessary packages)**

1. Open your terminal and navigate to where you placed the Spotify-Classifer
2. Open the Simple HTTP Server needed to run the program, using the command “python -m SimpleHTTPServer”
3. Open the Spotify-Classifer folder in your IDE, and run TrainingSetGenerator to begin generating the training set
   1. It will prompt you to input the link to your playlist of positive examples. Copy and paste the link, then delete the last letter in the link and retype it. This is critical to keep the program working, otherwise it will just open the link in your browser.
   2. It will prompt you to input the link to your playlist of negative examples. Copy and paste the link and again delete and retype the link of the playlist.
4. Authenticate once—don’t need to do again. The training set generator python program will create all the training sets for you and output that information to the data.csv file which you can access. If it’s your first time using the program, you will be redirected to a new page. Copy and paste that page’s URL, undo and retype the last letter, and press enter. The program should start running
5. After running TrainingSetGenerator, the dataset will be printed to the data.csv file
6. Make sure you have all your Run configurations and environmental variables entered in for PlaylistClassifier
7. Run PlaylistClassifier and enter in links to tracks you would like to test.