

PLEASE HAVE IN MIND THAT THIS FILE WILL BE UPDATED.
THIS IS JUST QUICK RECAP WHAT THE APP DOES AND HOW IT IS WORKING FOR
NOW.

PART I - scrap songs

Run the script

1. Script is running on AWS E2C micro machine

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

1 of 1

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DN	IPv4 Ps	IPv6 IPs	Key Name	Monitoring	Launch Time	Security Groups	Owner
	i-044b02aa5c94...	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-54-1...	54.16...	-	microInstance	disabled	September 6, 20...	The New World Radio	914531

2. Security Group

The Security Group for the instance was modified. Inbound Rule was set up to allow connecting to SSH only using “My IP”, so this prevents connection to my machine from other networks.

EC2 > Security Groups > sg-0e8be57aec06d0aa9 - The New World Radio > Edit inbound rules

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
SSH	TCP	22	My IP		Delete
<input type="text" value="Add rule"/>					

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

Cancel Preview changes **Save rules**

Security Groups (1/1) [Info](#)

search: sg-0e8be57aec06d0aa9

<input checked="" type="checkbox"/>	Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules
<input checked="" type="checkbox"/>	-	sg-0e8be57aec06d0aa9	The New World Radio	vpc-fbf6eb81	The New World Radio created 2020-09-06...		1 Permission entry

sg-0e8be57aec06d0aa9 - The New World Radio

Details **Inbound rules** Outbound rules Tags

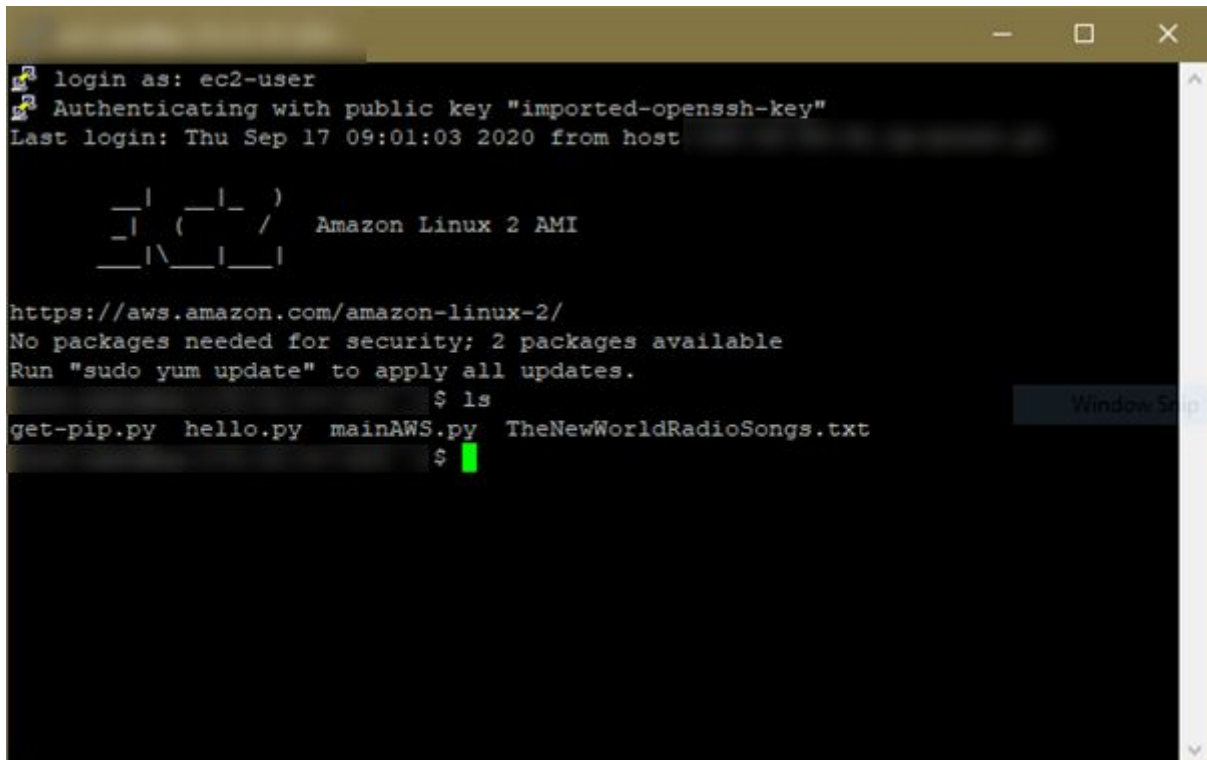
Inbound rules

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22		-

3. Create Key Pair for SSH connection

Key pairs (5)			
<div><div></div><div>Filter key pairs</div></div>			
<input type="checkbox"/>	Name	Fingerprint	ID
<input type="checkbox"/>	microInstance		

4. Connect to SSH via Putty



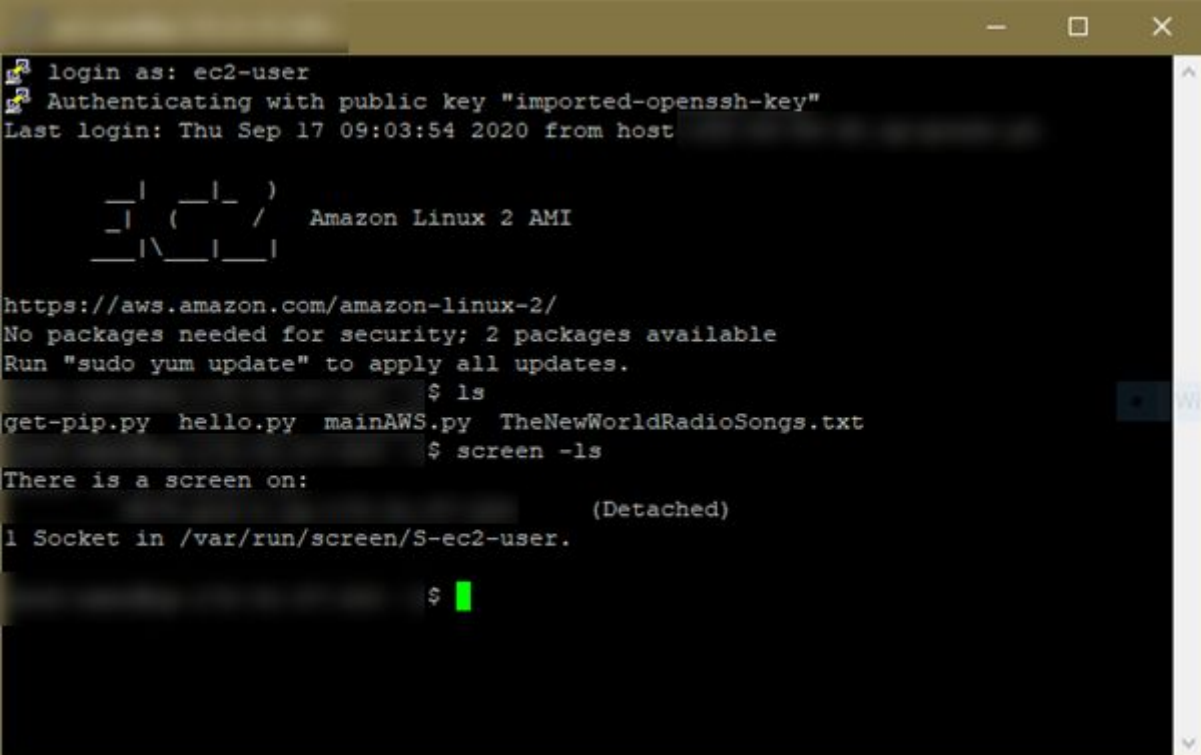
The image shows a terminal window with a dark background and light-colored text. The window title is partially visible at the top. The terminal output shows the login process for an EC2 instance. It starts with 'login as: ec2-user', followed by authentication using a public key. The last login time and host are displayed. A ASCII art logo for Amazon Linux 2 is shown, along with the text 'Amazon Linux 2 AMI'. Below this, the URL 'https://aws.amazon.com/amazon-linux-2/' is provided. A message indicates that no packages are needed for security, but two are available, and suggests running 'sudo yum update'. The prompt '\$' is followed by the command 'ls', which lists the files 'get-pip.py', 'hello.py', 'mainAWS.py', and 'TheNewWorldRadioSongs.txt'. The prompt '\$' is followed by a green cursor.

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Thu Sep 17 09:01:03 2020 from host
    _ | _ | _ )
    _ | ( _ | /   Amazon Linux 2 AMI
    _ | \ _ | _ |

https://aws.amazon.com/amazon-linux-2/
No packages needed for security; 2 packages available
Run "sudo yum update" to apply all updates.
$ ls
get-pip.py  hello.py  mainAWS.py  TheNewWorldRadioSongs.txt
$
```

5. See screen command

screen -ls

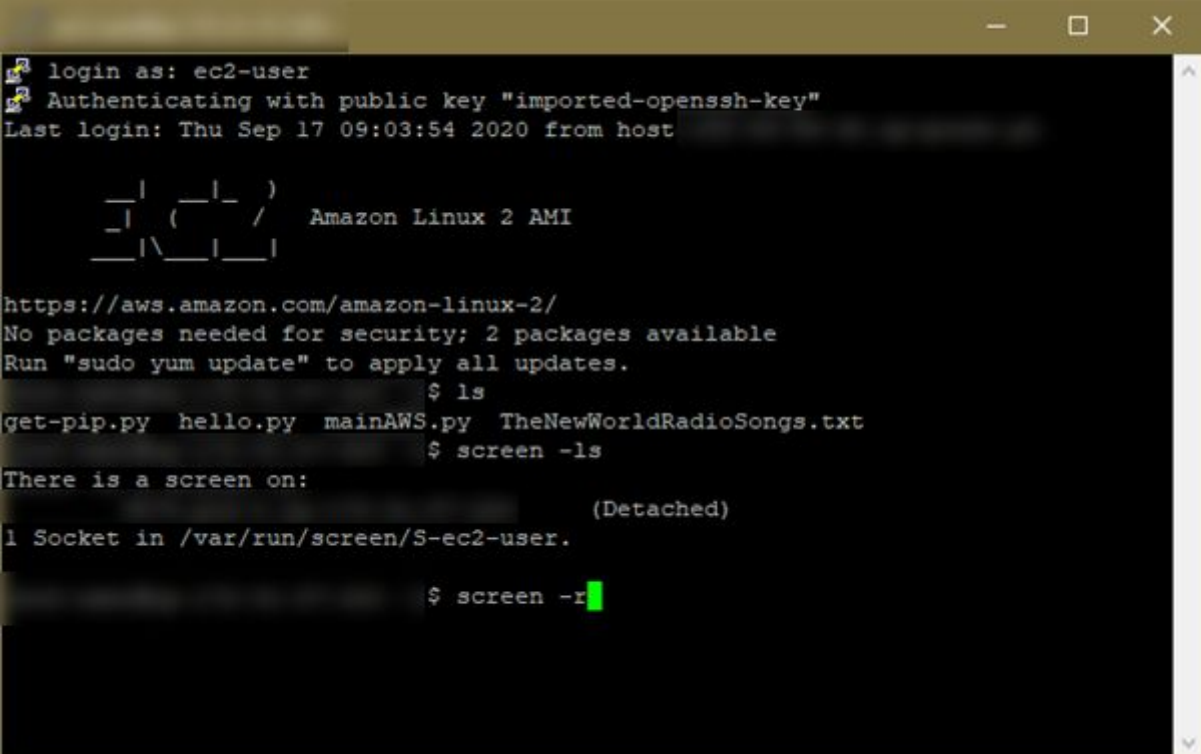
A terminal window with a dark background and a gold title bar. The window shows the output of an SSH login session. The user 'ec2-user' is logged in from a host. The terminal displays the Amazon Linux 2 AMI logo, a URL to the AWS Amazon Linux 2 page, and a message about available updates. The user runs 'ls' and 'screen -ls'. The 'screen -ls' command shows a detached screen session. The prompt is a green cursor on a line with a dollar sign.

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Thu Sep 17 09:03:54 2020 from host
    _ | _ | _ |
    _ | ( _ | _ | /   Amazon Linux 2 AMI
    _ | \ _ | _ | _ |

https://aws.amazon.com/amazon-linux-2/
No packages needed for security; 2 packages available
Run "sudo yum update" to apply all updates.
$ ls
get-pip.py  hello.py  mainAWS.py  TheNewWorldRadioSongs.txt
$ screen -ls
There is a screen on:
                                (Detached)
1 Socket in /var/run/screen/S-ec2-user.
$
```

6. Script is running and outputting results (songs)

I have only one screen, so I can get it using
`screen -r`



```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Thu Sep 17 09:03:54 2020 from host

  _ | _ | _ |
  _ | ( _ | _ | /   Amazon Linux 2 AMI
  _ | \ _ | _ |

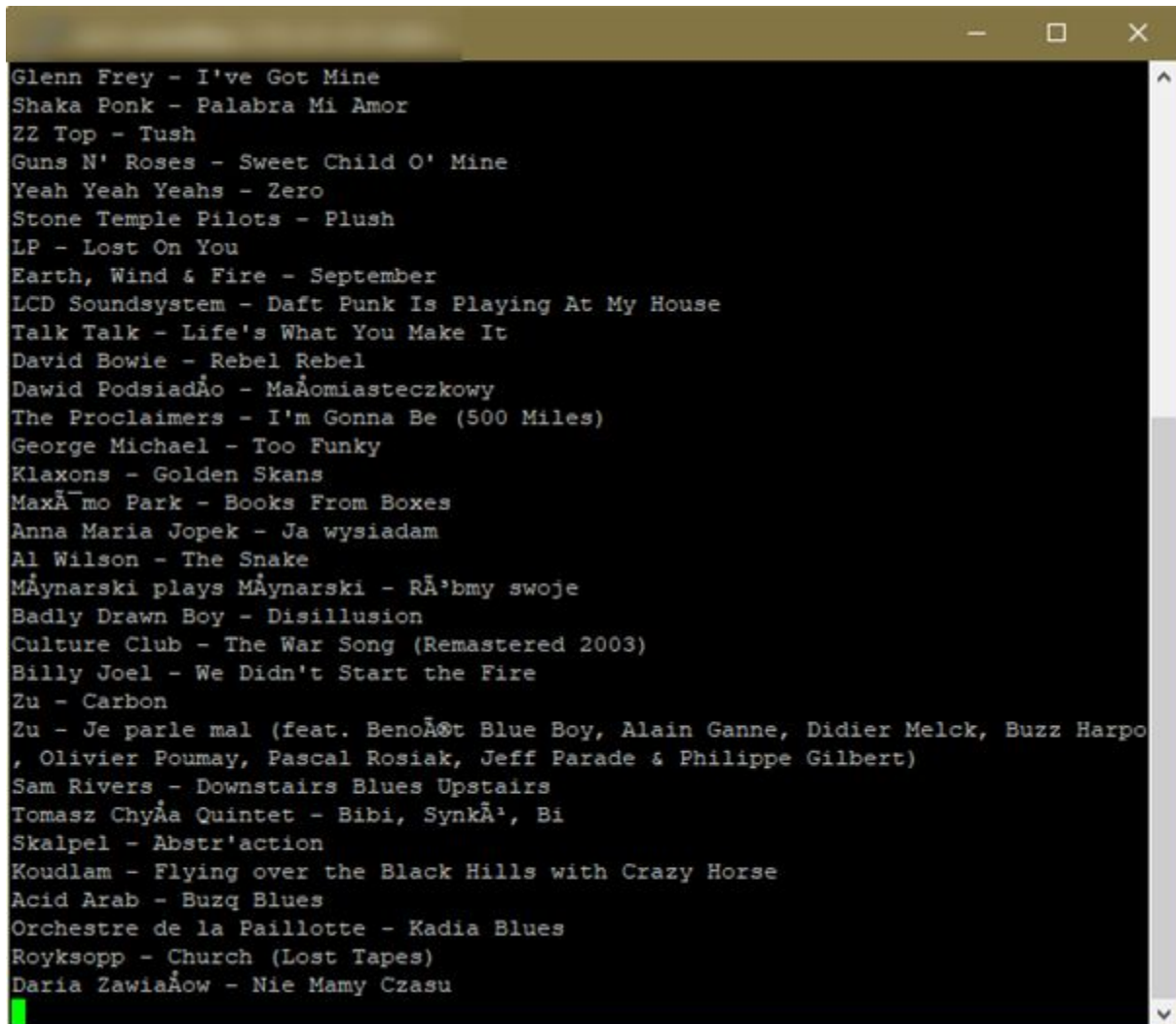
https://aws.amazon.com/amazon-linux-2/
No packages needed for security; 2 packages available
Run "sudo yum update" to apply all updates.

$ ls
get-pip.py  hello.py  mainAWS.py  TheNewWorldRadioSongs.txt

$ screen -ls
There is a screen on:
                                (Detached)
1 Socket in /var/run/screen/S-ec2-user.

$ screen -r
```

As you can see, the app prints songs to the console



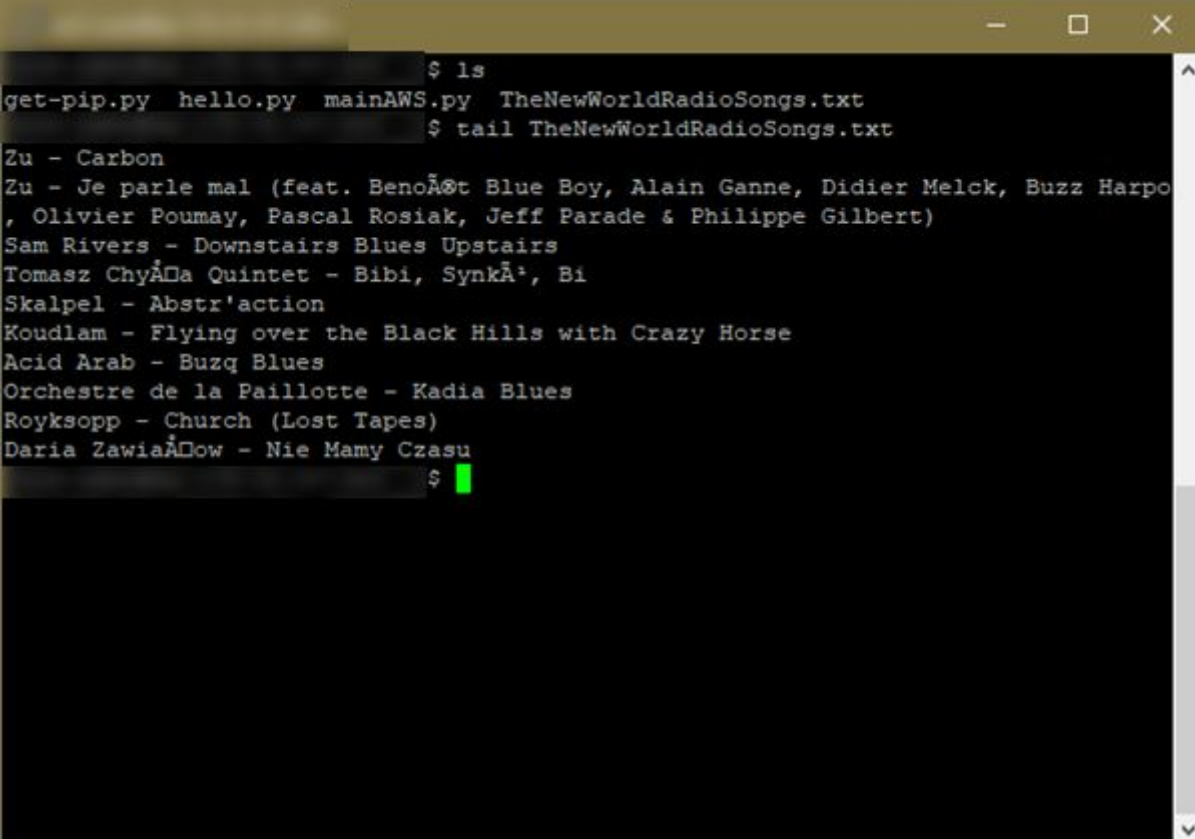
```
Glenn Frey - I've Got Mine
Shaka Ponk - Palabra Mi Amor
ZZ Top - Tush
Guns N' Roses - Sweet Child O' Mine
Yeah Yeah Yeahs - Zero
Stone Temple Pilots - Plush
LP - Lost On You
Earth, Wind & Fire - September
LCD Soundsystem - Daft Punk Is Playing At My House
Talk Talk - Life's What You Make It
David Bowie - Rebel Rebel
Dawid Podsiadłko - Małomiasteczkowy
The Proclaimers - I'm Gonna Be (500 Miles)
George Michael - Too Funky
Klaxons - Golden Skans
Maxïmo Park - Books From Boxes
Anna Maria Jopek - Ja wysiadam
Al Wilson - The Snake
Młynarski plays Młynarski - Rębnymy swoje
Badly Drawn Boy - Disillusion
Culture Club - The War Song (Remastered 2003)
Billy Joel - We Didn't Start the Fire
Zu - Carbon
Zu - Je parle mal (feat. Benoît Blue Boy, Alain Ganne, Didier Melck, Buzz Harpo
, Olivier Poumay, Pascal Rosiak, Jeff Parade & Philippe Gilbert)
Sam Rivers - Downstairs Blues Upstairs
Tomasz Chyła Quintet - Bibi, Synk', Bi
Skalpel - Abstr'aktion
Koudlam - Flying over the Black Hills with Crazy Horse
Acid Arab - Buzq Blues
Orchestre de la Paillotte - Kadia Blues
Royksopp - Church (Lost Tapes)
Daria Zawiałow - Nie Mamy Czasu
```

7. Songs are saved in a text file

Using

```
tail TheNewWorldRadioSongs.txt
```

we can see the latest saved songs and compare them to those printed on screen terminal.

A screenshot of a terminal window with a dark background. The window title bar shows standard OS controls (minimize, maximize, close). The terminal content shows the execution of two commands. The first command, 'ls', lists several files: 'get-pip.py', 'hello.py', 'mainAWS.py', and 'TheNewWorldRadioSongs.txt'. The second command, 'tail TheNewWorldRadioSongs.txt', displays the last 10 lines of the text file. These lines contain song entries, each consisting of an artist name followed by a song title. Some of the text is garbled, likely due to encoding issues, with characters like 'Ã' appearing instead of proper accents. The entries include 'Zu - Carbon', 'Zu - Je parle mal (feat. BenoÃt Blue Boy, Alain Ganne, Didier Melck, Buzz Harpo, Olivier Poumay, Pascal Rosiak, Jeff Parade & Philippe Gilbert)', 'Sam Rivers - Downstairs Blues Upstairs', 'Tomasz ChyÃa Quintet - Bibi, SynkÃ', 'Bi', 'Skalpel - Abstr'action', 'Koudlam - Flying over the Black Hills with Crazy Horse', 'Acid Arab - Buzq Blues', 'Orchestre de la Paillotte - Kadia Blues', 'Royksopp - Church (Lost Tapes)', and 'Daria ZawiaÃow - Nie Mamy Czasu'. The prompt character '\$' is visible at the end of each command line and at the bottom of the output.

As you can see there is still an issue with encoding. The issue appears already on the website, so I will need to find the workaround for that.

The logic

Description to be updated

Issues and solutions

1. Wrong encryption on website

On screens presented in [Script is running and outputting results \(songs\)](#), especially for polish songs where regional signs can be found, there is a problem with reading a title directly from the website. Once scrapped directly as it is, the title will not be possible to be found in the second part of the project which is find and add song to playlist on Spotify.

For example, let's see what it looks like for a case where radio doesn't play music and returns its name as a string "Radio Nowy Świat - Pion i poziom!".

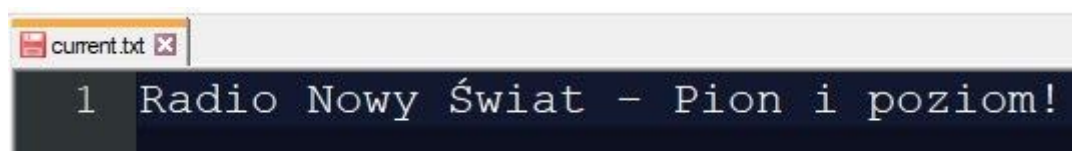
This is the screen from the website where titles are available.



The string should be "Radio Nowy Świat - Pion i poziom!" displaying correct polish regional characters - instead of "Ś", there is "Ą".

However, notice that the displayed value is just .txt file. Thus, I tried to download it as a file on the local machine to see whether the problem still appears.

It turned out that, if I open the downloaded file, the string is correct.



Having that in mind, I adjusted the logic, so in case if there is a special character in the title on the website, then the "current.txt" is saved and a title is read from file, instead of the website.

(...)

Description to be updated

2. Duplicated songs

Description to be updated

3. Page returns 200 code even when there is a server connection problem

Description to be updated

PART II - Web Spotify API

Description to be updated