# Natsukasiy (Documentation)

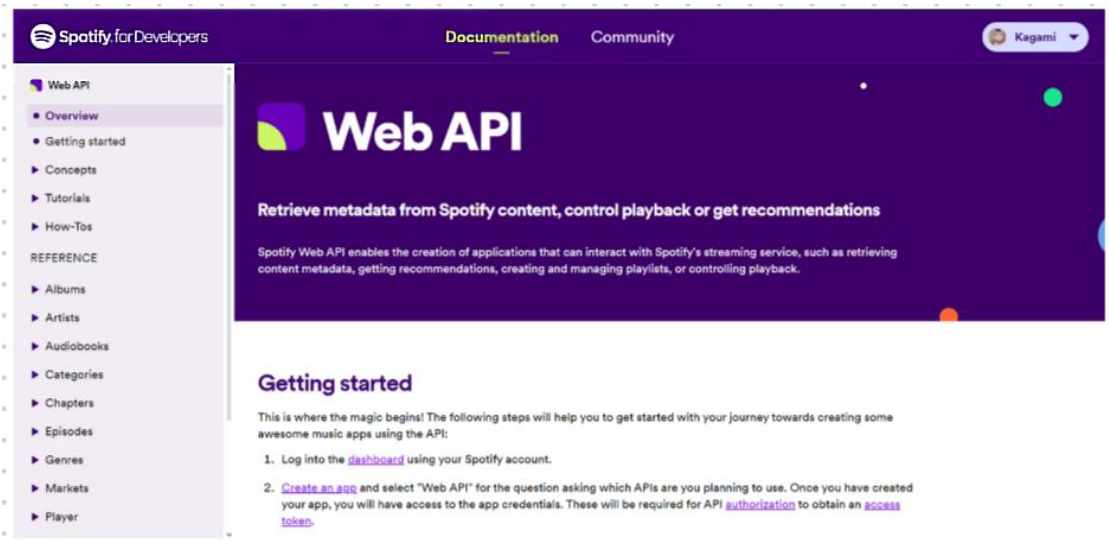
General Design and Description

**Description:** The application is based on the **Spotify API** (Spotify for Developers - a special site from Spotify creators for young developers that requires strict adherence to the terms of service, including the prohibition of commercial use of the application). On this site, after registering their application, a developer receives their own **Client_ID** and **Secret_ID**. These IDs are keys to accessing the Spotify database and essential functions such as authorization and other necessary features.

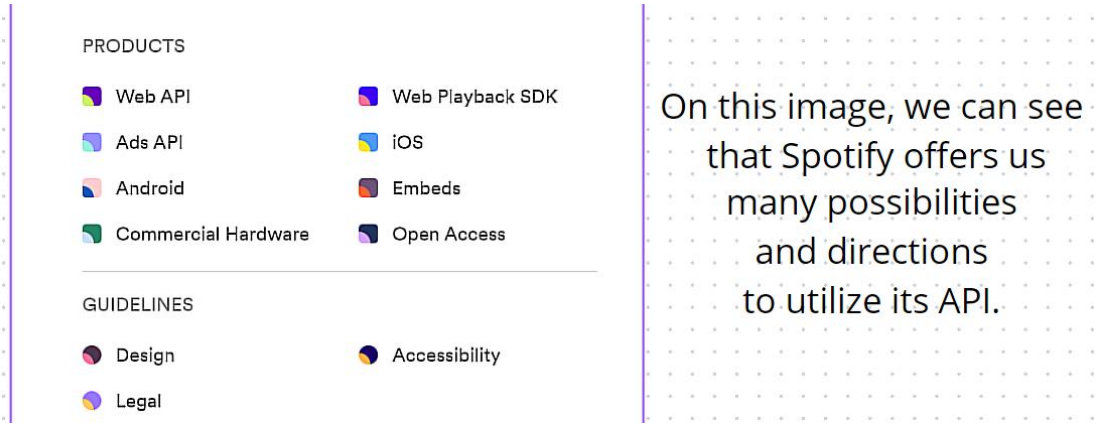
Below, I present the general theory of **how the program works** using the **Spotify API**:

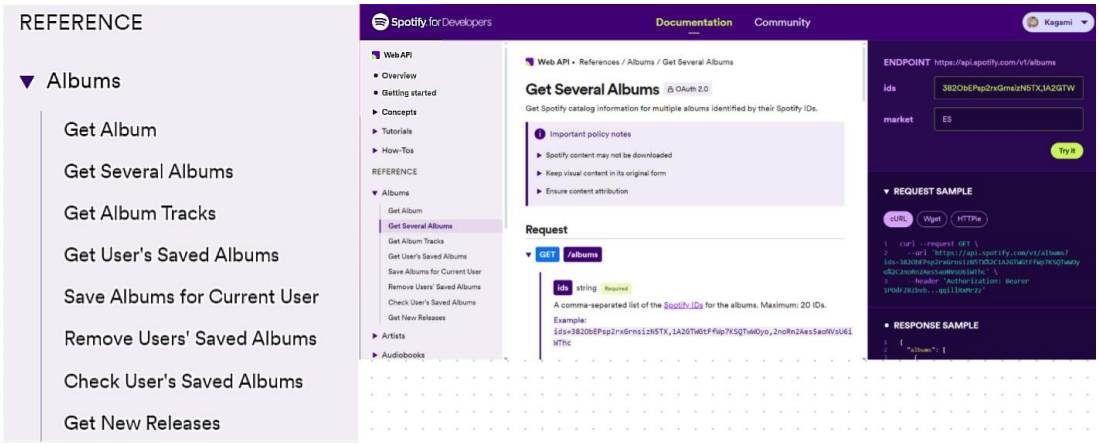
## To use the Spotify API, we need:

- ✓ Premium Account
- ✓ Register our application on the Spotify For Developers website
- ✓ Receive the necessary IDs to use the API.

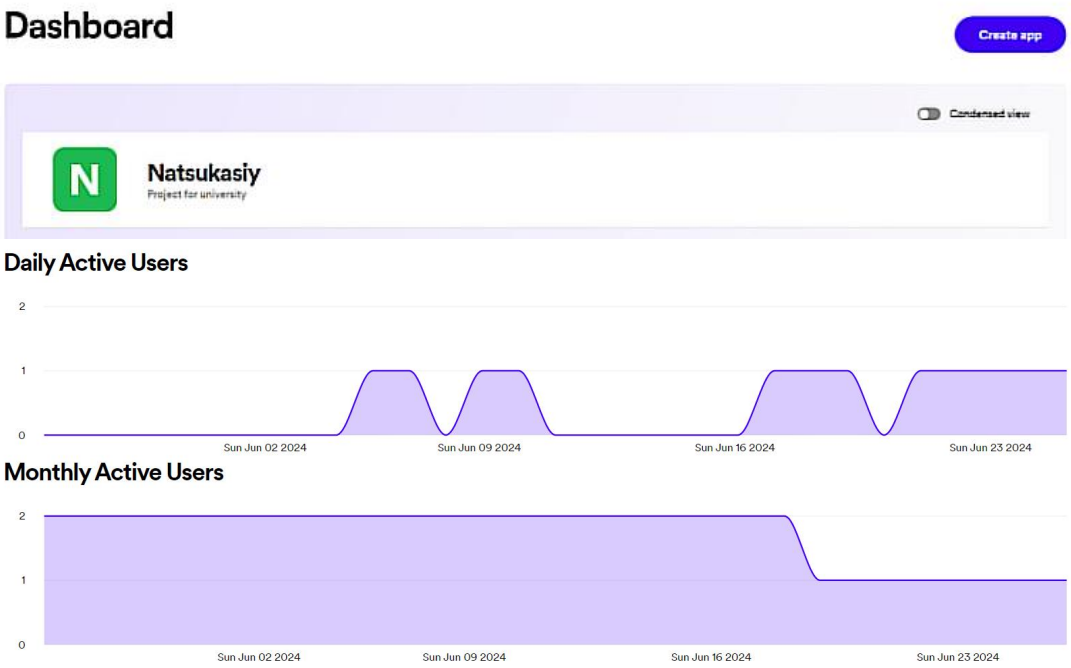


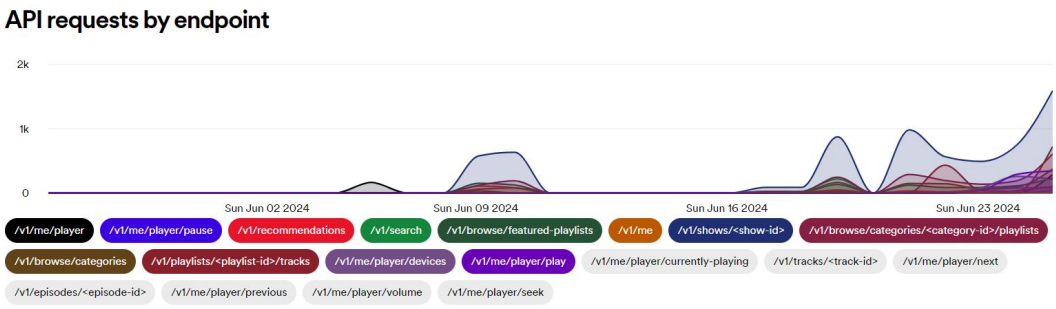

In each section, we have a list of what we can use with instructions on how it works and what we need.



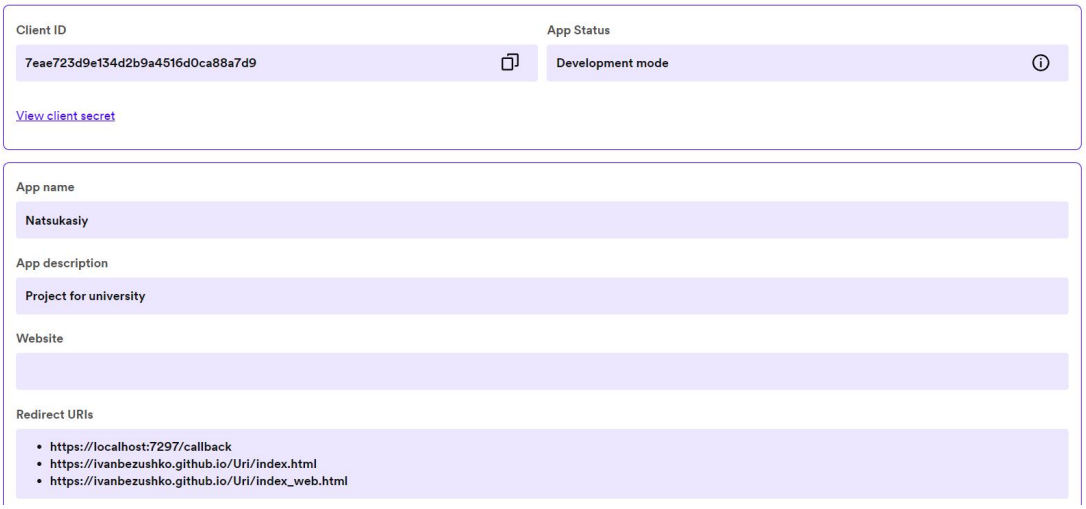




In the section with our application, we can see various statistics:






**We also have application settings with IDs and necessary items (redirectUri):**




**I would like to take this opportunity to explain how the application works:**

- ✓ Once the program has been initiated, the authorization process is initiated as well.
- ✓ The user then has the opportunity to confirm their identity.
- ✓ Spotify then uses the redirect URI to send the response.
- ✓ In my case, the redirect URI is an index.html file on GitHub (specifically shown in the folder), which processes this response into a code and sends it to the appropriate localhost port.
- ✓ The program then receives this code and converts it into an access token, which grants the program access to a full range of functions.

**I would like to bring to your attention a few issues that I have encountered.**

**WPF**

- In the case of WPF, it seems that track ID interception does not always work, resulting in the wrong track being played.
- Handling episodes is a challenge because Spotify does not treat them as tracks, making some functions difficult to adapt.
- XAML is not HTML/CSS, so there is room for improvement.

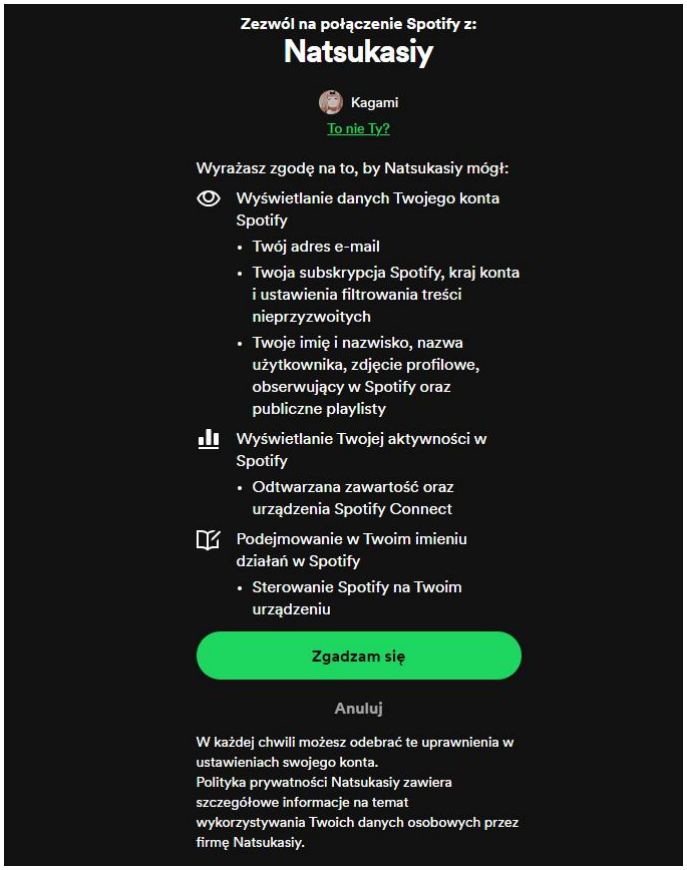
**Razor Pages**

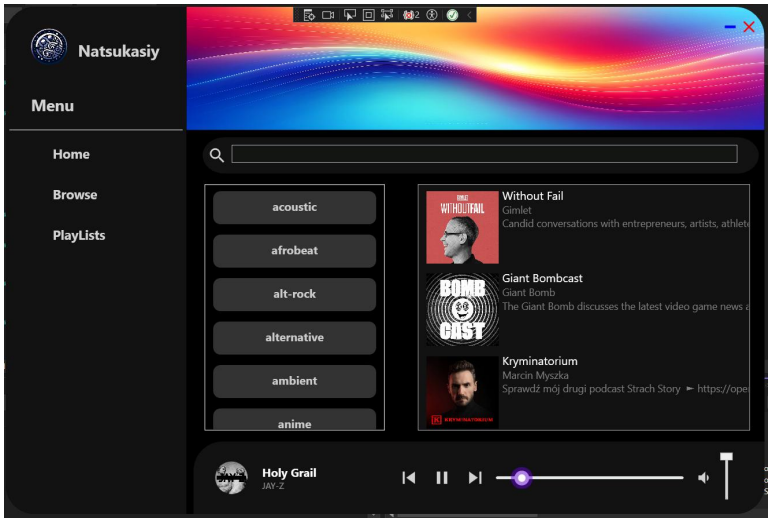
- Razor Pages have their own particular nuances, and without experience, it can be challenging to fully comprehend how the final program should look.
- While not all functions are yet fully compatible with episodes, there has been encouraging progress.

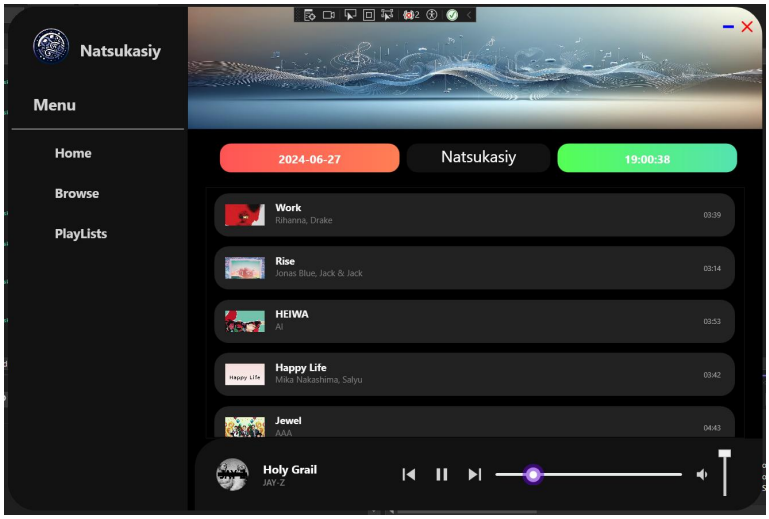
# In conclusion...

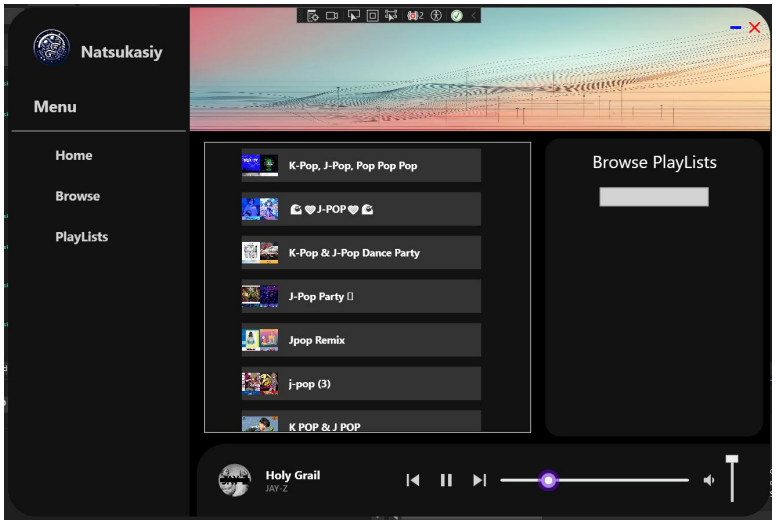
*In conclusion, I feel that this group of projects (WPF+Razor) provided me with valuable experience and presented a significant challenge for someone new to these technologies. While some aspects could have been refined further, I am overall satisfied with this enjoyable challenge. I hope you will appreciate it too.*

Below is the appearance of the application after Spotify authorization. The application's functionality **will be demonstrated** in **recordings** that **will be included in the folder**.


Zezwól na połączenie Spotify z:
Natsukasiy
Kagami
To nie Ty?
Wyrażasz zgodę na to, by Natsukasiy mógł:
Wyświetlanie danych Twojego konta Spotify
Twój adres e-mail
Twoja subskrypcja Spotify, kraj konta i ustawienia filtrowania treści nieprzyzwoitych
Twoje imię i nazwisko, nazwa użytkownika, zdjęcie profilowe, obserwujący w Spotify oraz publiczne playlisty
Wyświetlanie Twojej aktywności w Spotify
Odtwarzana zawartość oraz urządzenia Spotify Connect
Podejmowanie w Twoim imieniu działań w Spotify
Sterowanie Spotify na Twoim urządzeniu
Zgadzam się
Anuluj
W każdej chwili możesz odebrać te uprawnienia w ustawieniach swojego konta.
Polityka prywatności Natsukasiy zawiera szczegółowe informacje na temat wykorzystywania Twoich danych osobowych przez firmę Natsukasiy.


Natsukasiy
Menu
Home
Browse
PlayLists
acoustic
afrobeat
alt-rock
alternative
ambient
anime
Without Fail
Gimlet
Giant Bombcast
Giant Bomb
Kryminatorium
Marcin Myszka
Holy Grail
JAY-Z


Natsukasiy
Menu
Home
Browse
PlayLists
2024-06-27
Natsukasiy
19:00:38
Work
Rihanna, Drake
03:39
Rise
Jonas Blue, Jack & Jack
03:14
HEIWA
Ai
03:53
Happy Life
Mika Nakashima, Saiyu
03:42
Jewel
AAA
04:43
Holy Grail
JAY-Z


Natsukasiy
Menu
Home
Browse
PlayLists
K-Pop, J-Pop, Pop Pop Pop
J-POP
K-Pop & J-Pop Dance Party
J-Pop Party
Jpop Remix
j-pop (3)
K POP & J POP
Browse PlayLists
Holy Grail
JAY-Z