User Guide for Spotify Music Exploration & Recommendation System

SET UP

STEP 1:

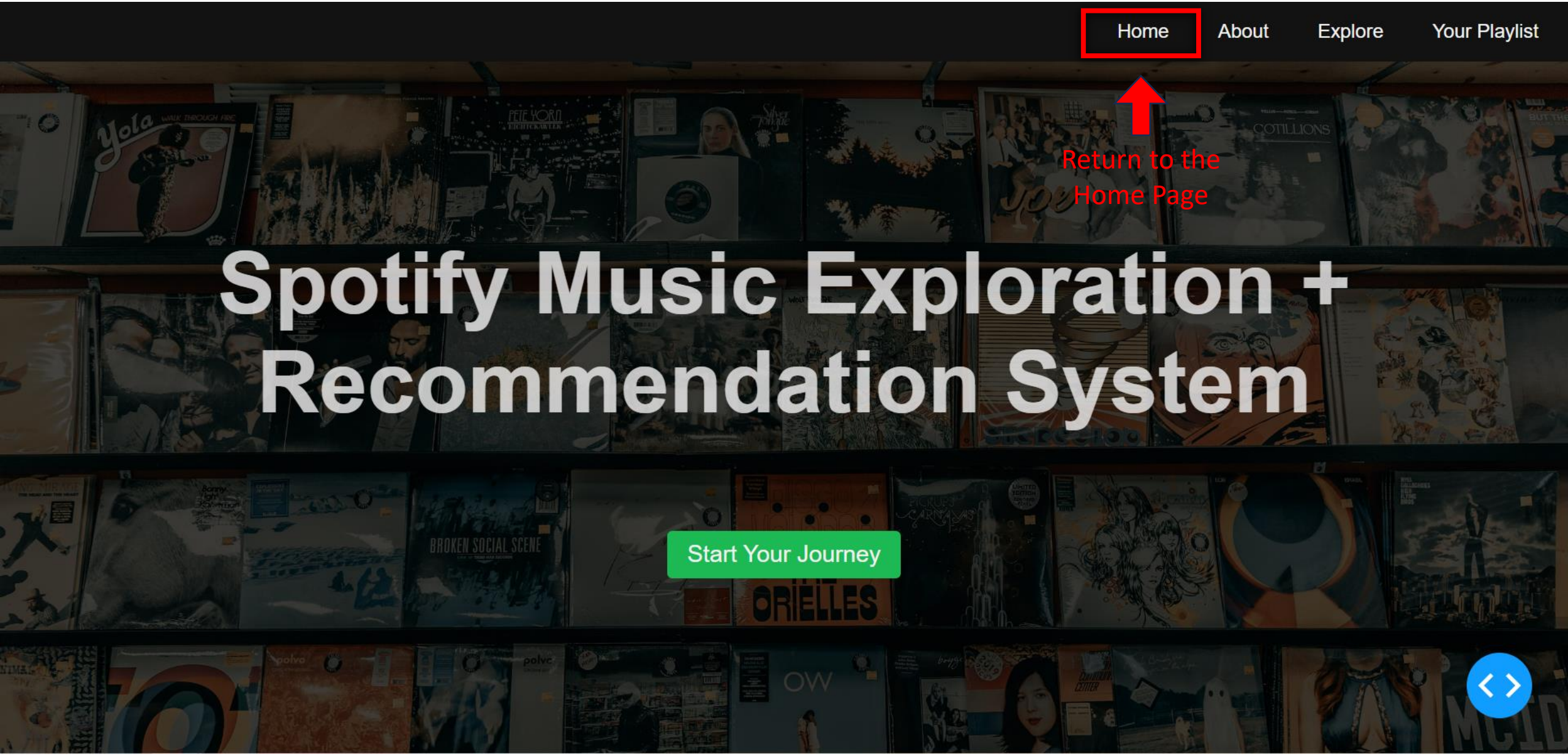
Clone the project repo: git clone https://github.com/CSE583-Fall2023-Project/Spotify-Music-Recommendation-System.git

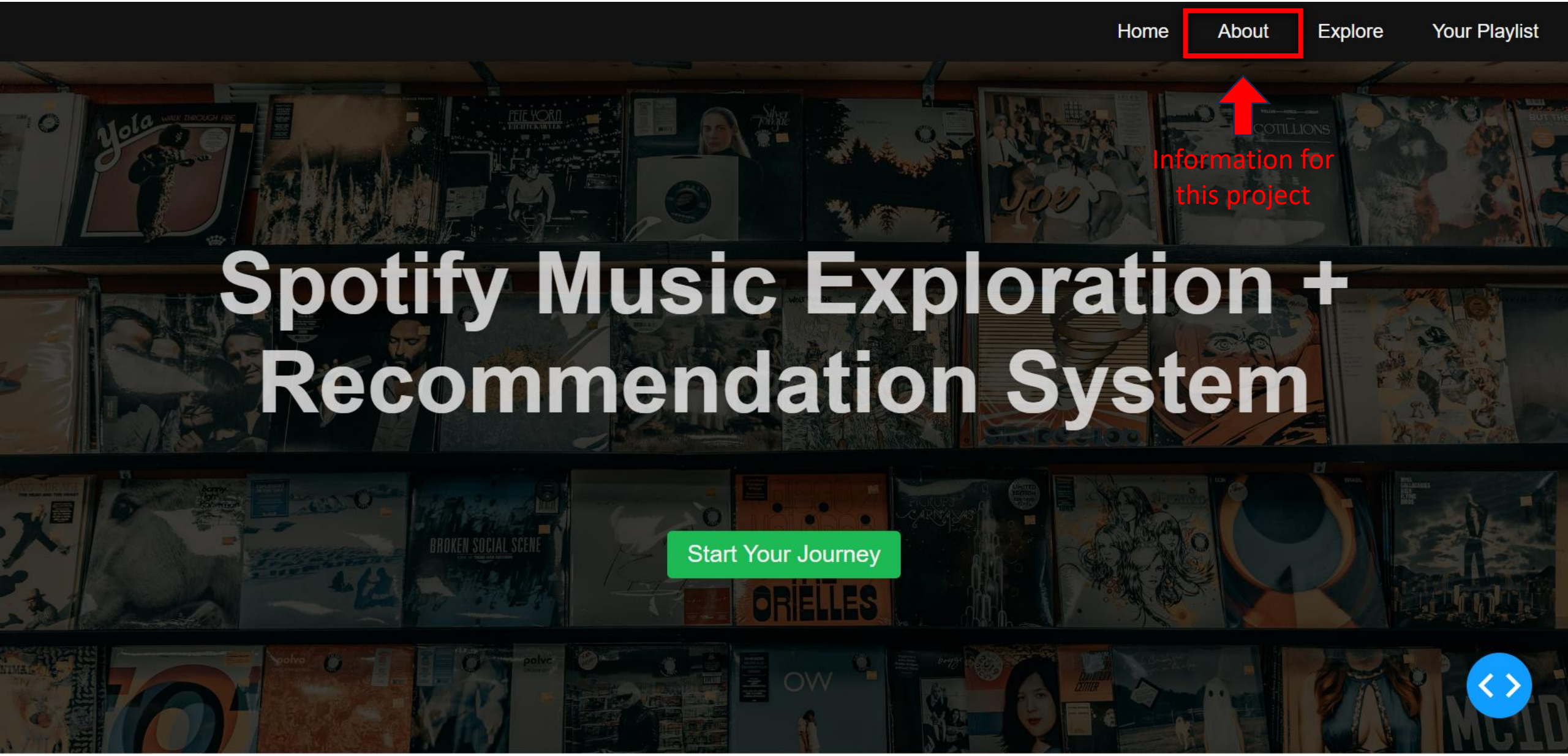
STEP 2: Set up environment and install package

conda env create -f environment.yml

STEP 3: Execute python app.py

STEP 4: Navigate through http://127.0.0.1:5000/


Home
About
Explore
Your Playlist
Return to the Home Page
Spotify Music Exploration + Recommendation System
Start Your Journey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Information for this project
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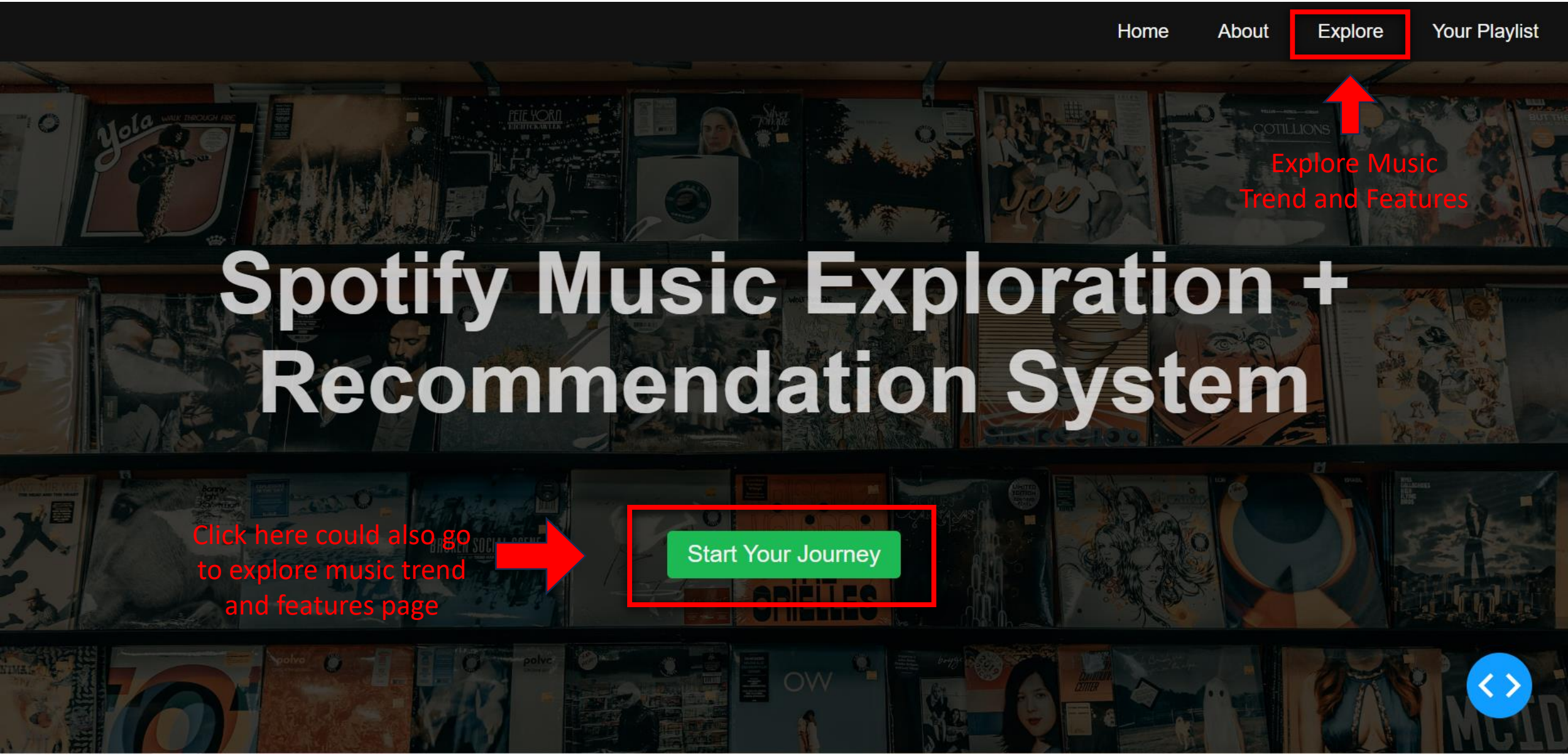
About the Project

The Spotify Music Exploration/Recommendation System

This system is designed to help users explore and discover music on Spotify. Using various data visualization and recommendation techniques, it aims to enhance the user's music listening experience.

To learn more about how this system works, contribute to its development, or report issues, please visit our GitHub repository.


Home
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Your Playlist
Explore Music
Trend and Features
Spotify Music Exploration +
Recommendation System
Click here could also go
to explore music trend
and features page
Start Your Journey

Home About Explore Your Playlist

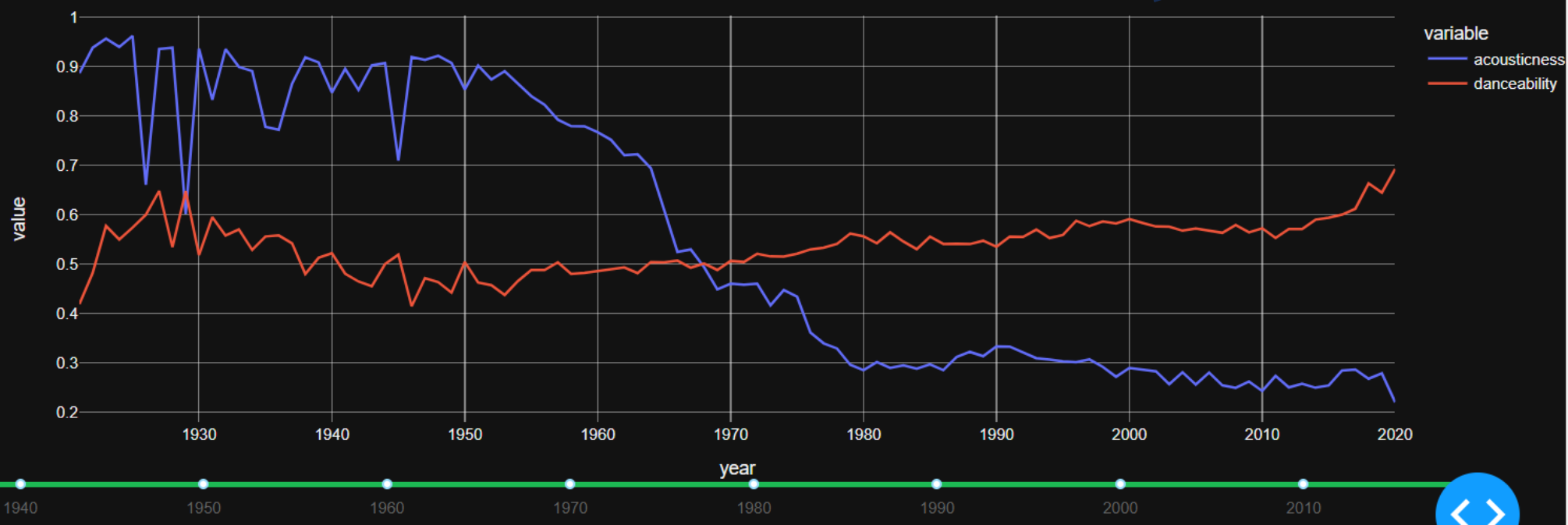
How Did Music Evolve Over Time?

Select Different Features

Observe Different Trends for Features

Trend of Musical Attributes Over Years

- [x] acousticness
- [x] danceability
- [ ] energy
- [ ] instrumentalness
- [ ] liveness
- [ ] speechiness
- [ ] valence



1921 1930 1940 1950 1960 1970 1980 1990 2000 2010

Home About Explore Your Playlist

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Trend of Musical Attributes Over Years

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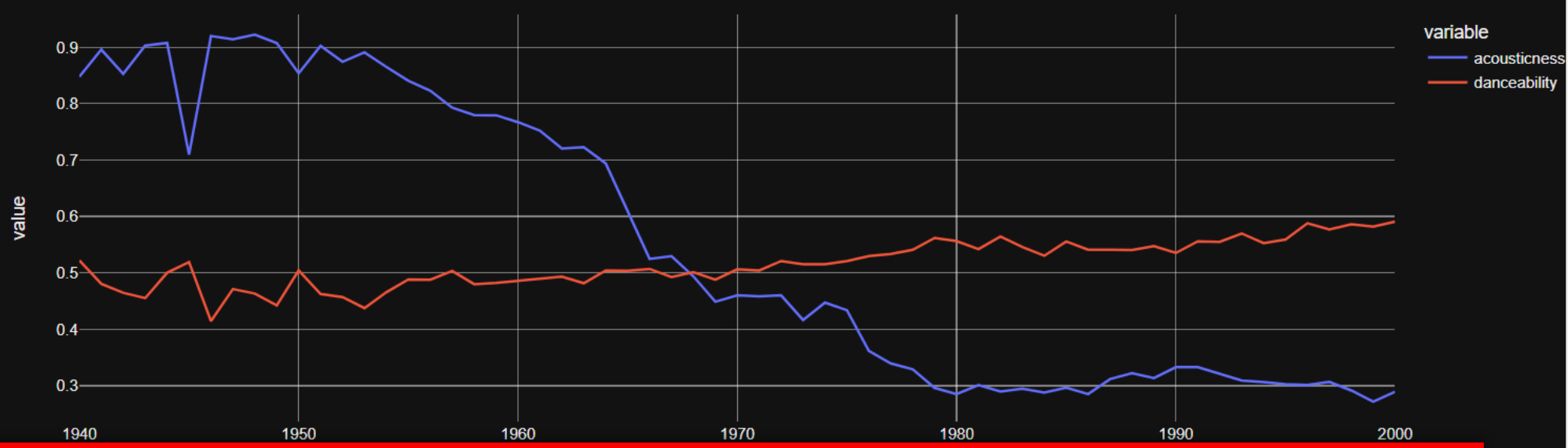
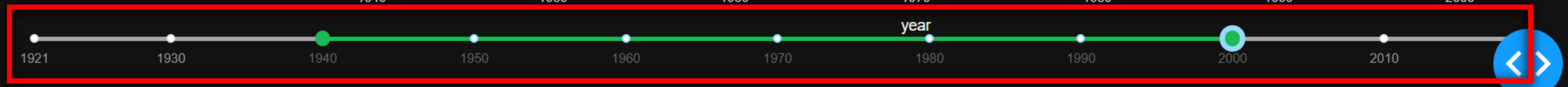
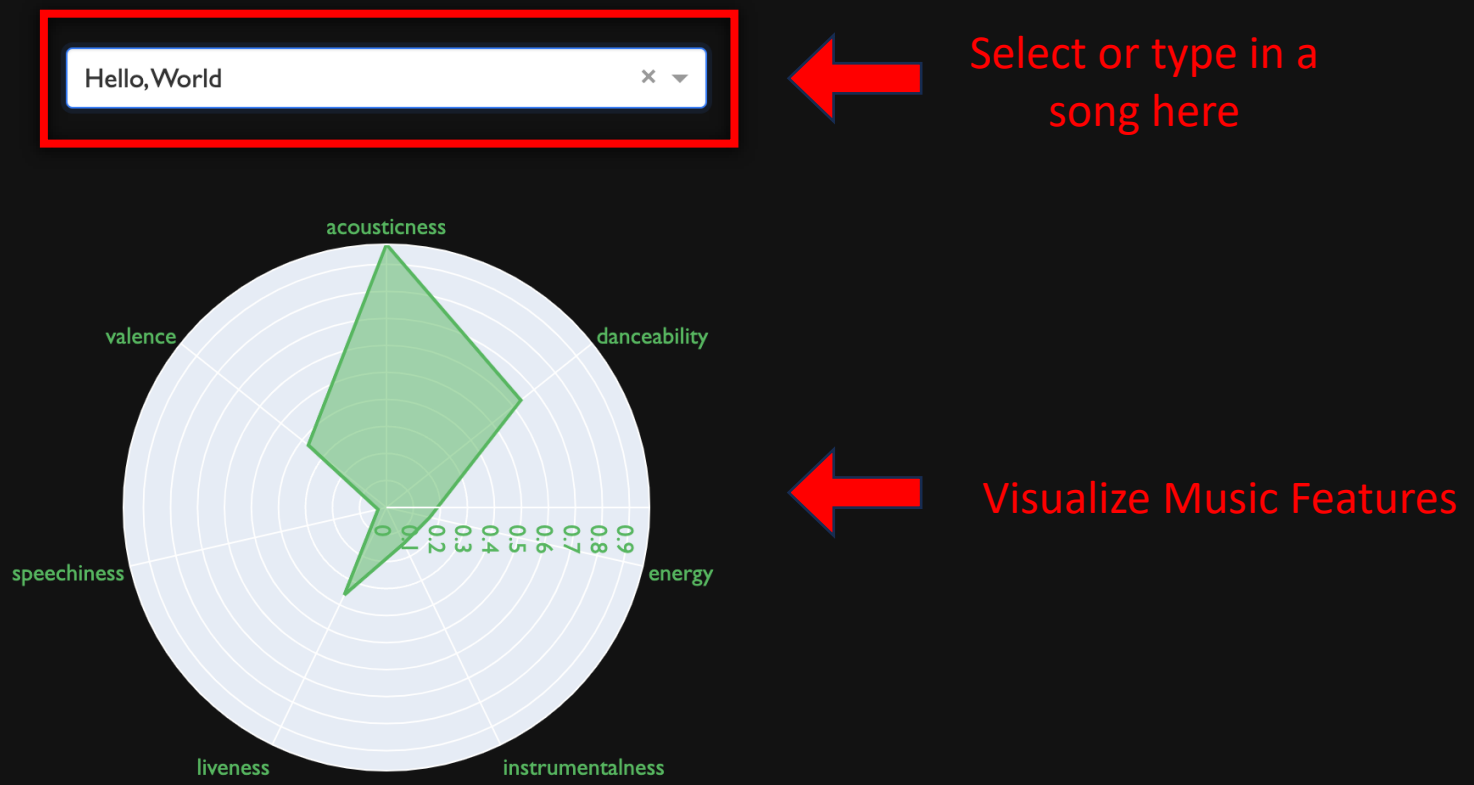


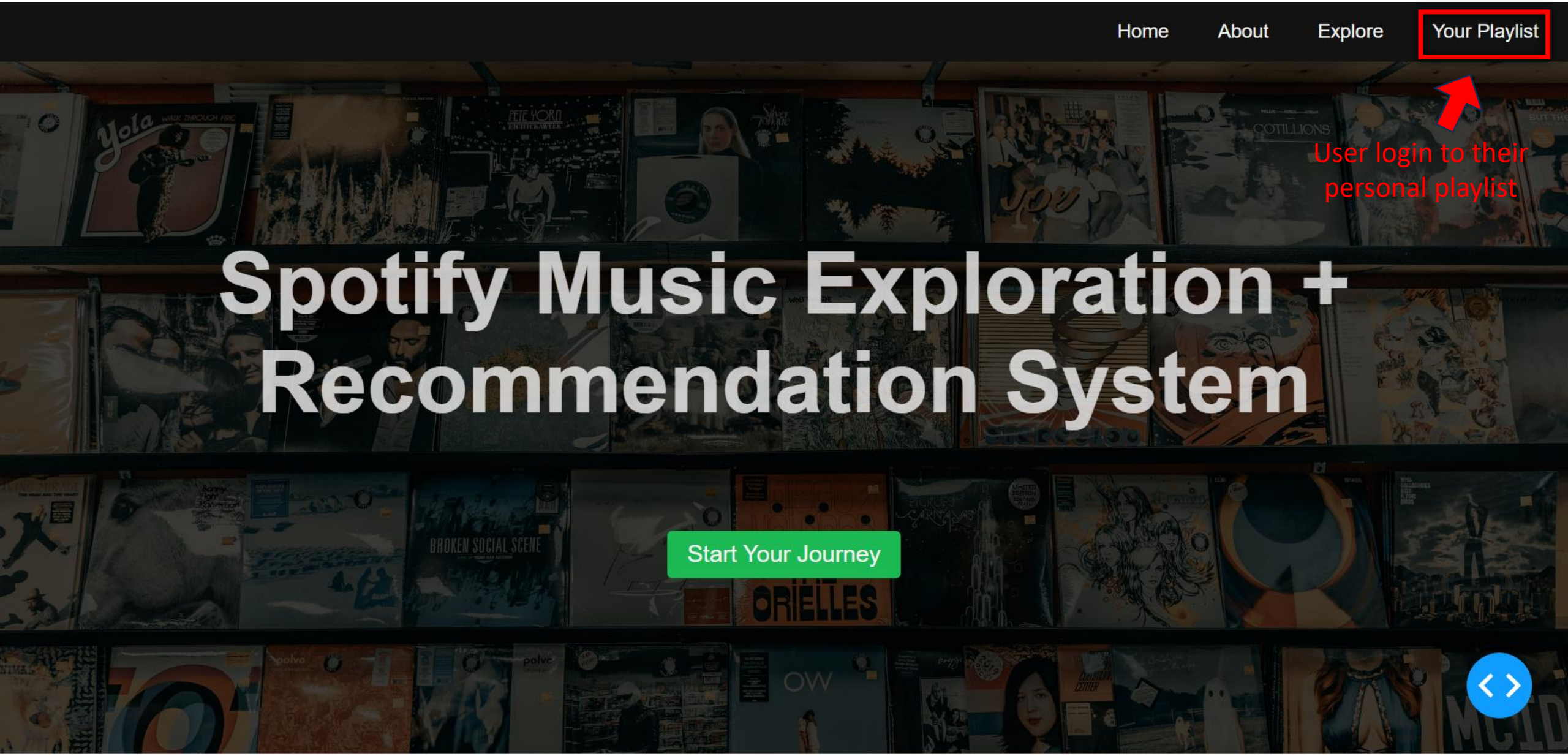
Select Time Period



What Are the Characters of Individual Songs?

Musical attributes for Selected Song

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User login to their personal playlist
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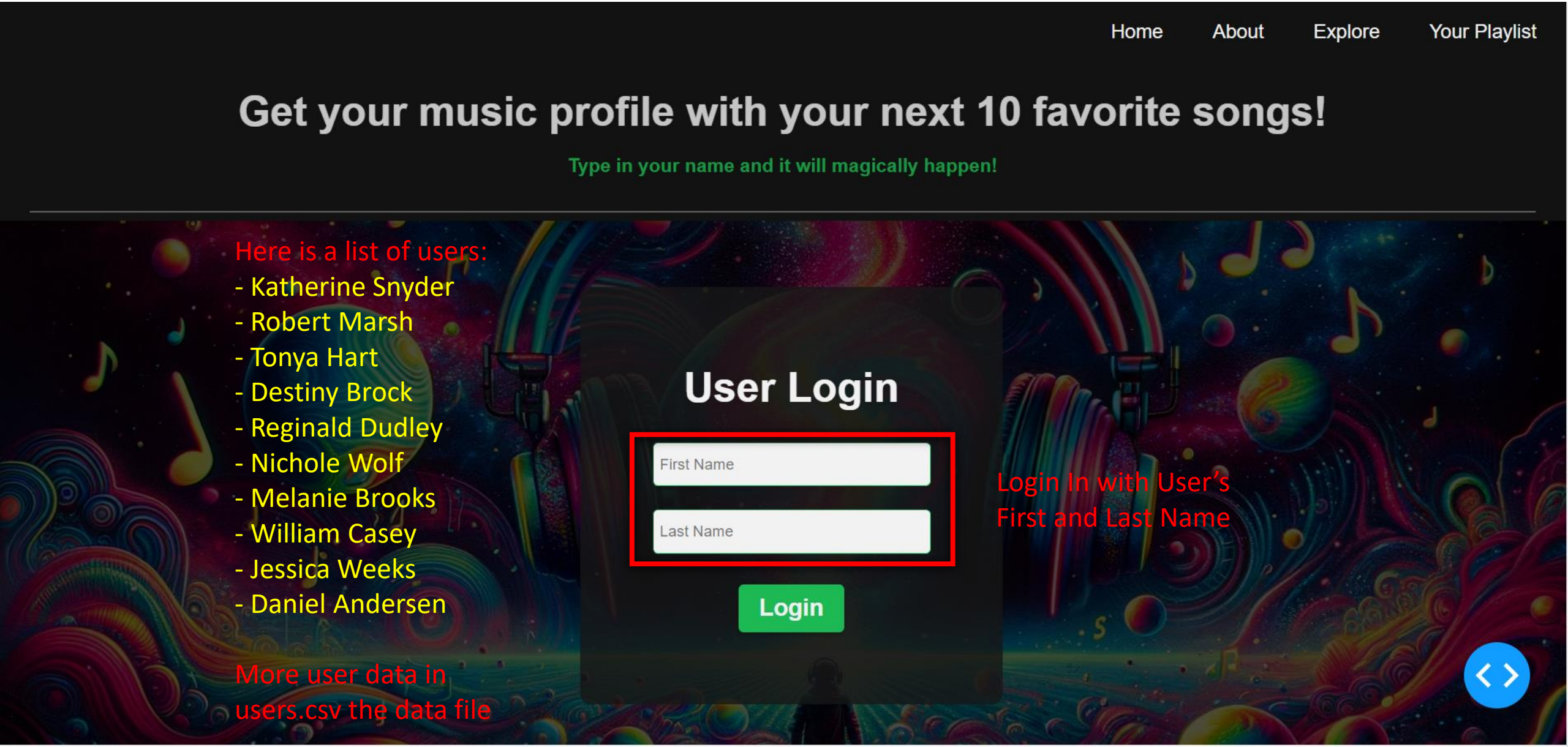
Home
About
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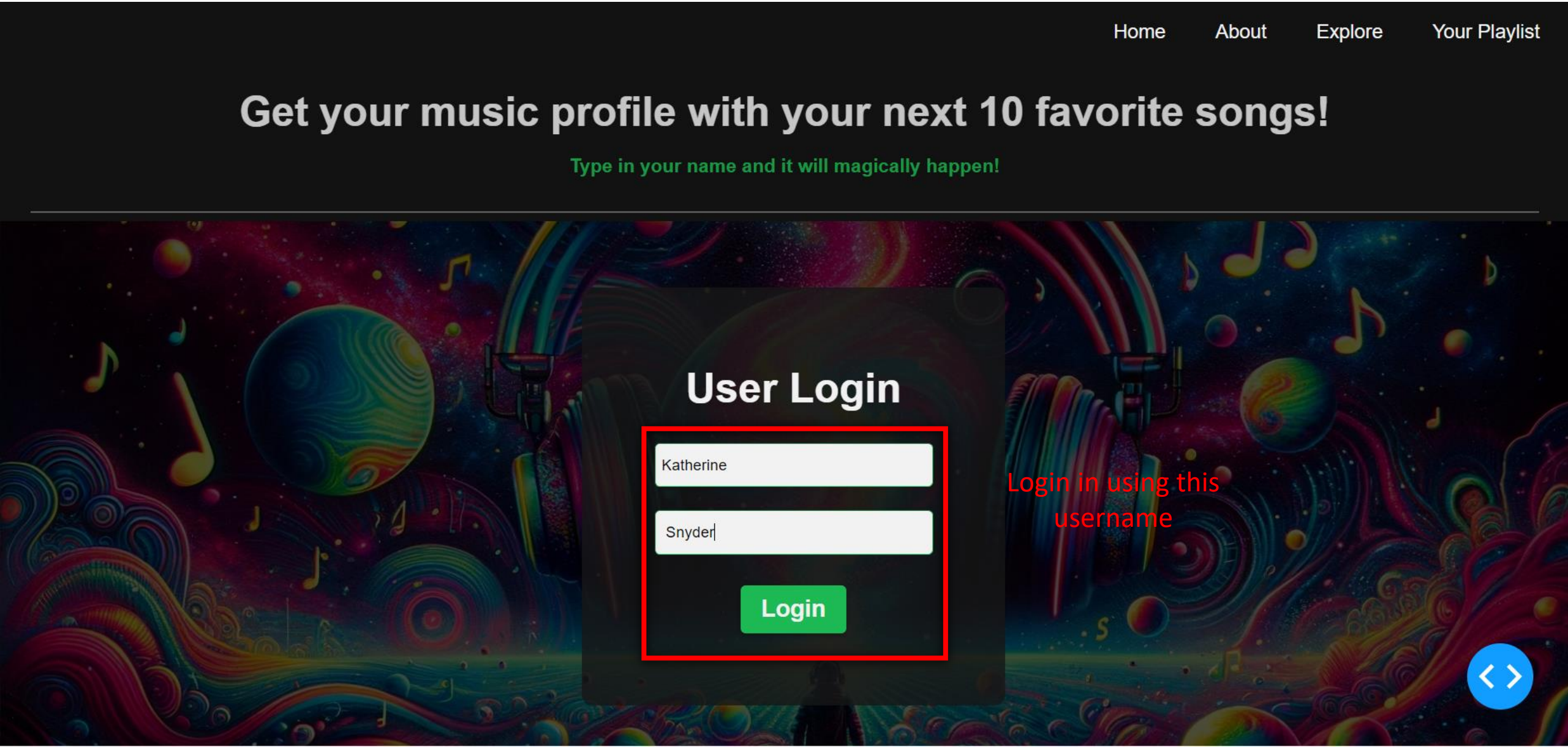
Your Playlist
Get your music profile with your next 10 favorite songs!
Type in your name and it will magically happen!
Here is a list of users:
- Katherine Snyder
- Robert Marsh
- Tonya Hart
- Destiny Brock
- Reginald Dudley
- Nichole Wolf
- Melanie Brooks
- William Casey
- Jessica Weeks
- Daniel Andersen
More user data in users.csv the data file
User Login
First Name
Last Name
Login
Login In with User's First and Last Name


Home
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Type in your name and it will magically happen!
User Login
Katherine
Snyder
Login
Login in using this username

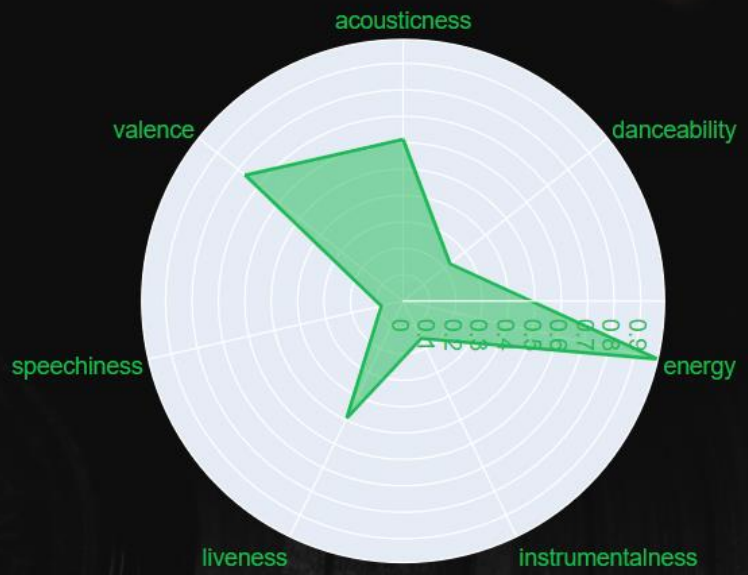
Katherine Snyder

Age: 27 | Sex: F

User Profile

User's Music Taste

Your Music Taste



Recommended Songs

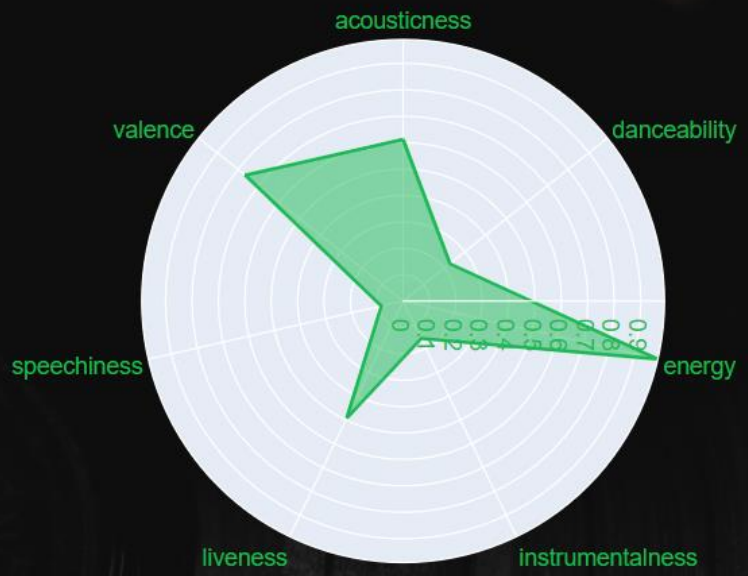
1. Magic Window — Boards of Canada
2. Blow Me (One Last Kiss) — P!nk
3. When the Sun Goes Down — Kenny Chesney
4. Hello Skinny/Constantinople — Primus
5. The Angels Listened In - Stereo — Johnny Maestro
6. John Henry — Odetta
7. Pinjre Ke Panchhi Ud Jare — Bulo C.Rani

User's Recommendation Song List

Katherine Snyder

Age: 27 | Sex: F

Your Music Taste



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English

Song

Magic Window

Boards of Canada • Geogaddi • 2002 • 1:46 • 1,217,607

Sign in to see lyrics and listen to the full track

Log in Sign up

Now it is time for you to explore!