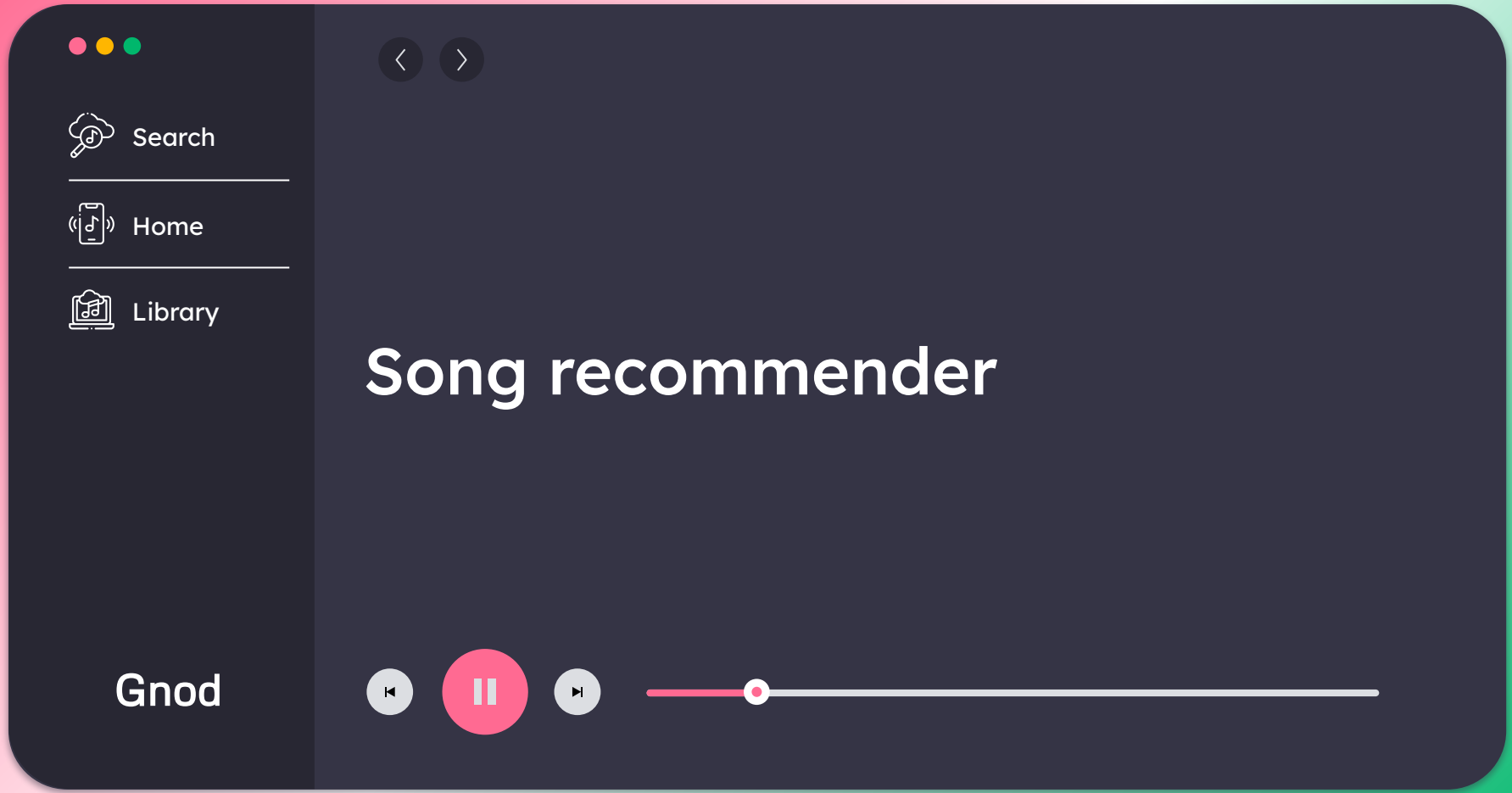
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Song recommender
Gnod

Introduction

- Goals
  - Expand and improve music recommendation for the user
  - Recommend songs (not only bands)
  - Increase website traffic in order to promote company growth
- Desired outcome
  - The user inputs a song from one “group” and the output is recommendations of songs from that same “group”
- Outcome workflow
  - With the users input, the program will analyse it and predict:
    - Songs that are actually similar to the ones they picked from an acoustic point of view
    - Songs that are popular around the world right now, independently from their tastes

Process

Collect the current popular songs

Create clusters based on the songs audio features

Collect a mix of songs with different features (genre, audio, etc) not considered popular at the moment

Add the user input song to the cluster it belongs and recommend a similar song

Outcome

- As current hot songs
  - The Billboard top 100
- As not so hot songs:
  - A website with the 3000 most popular songs of all time
- Spotify API to collect the songs information and audio features
- Clustering based on the audio features in order to recommend a similar song

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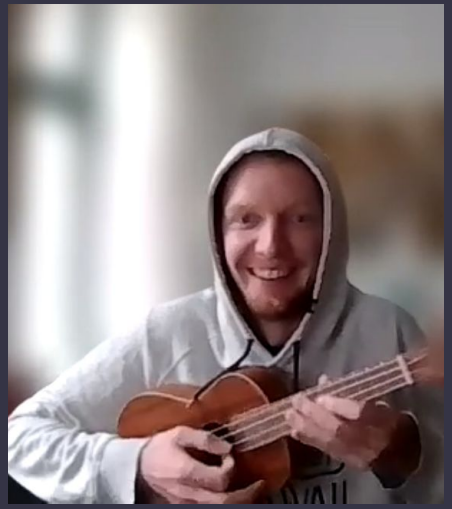
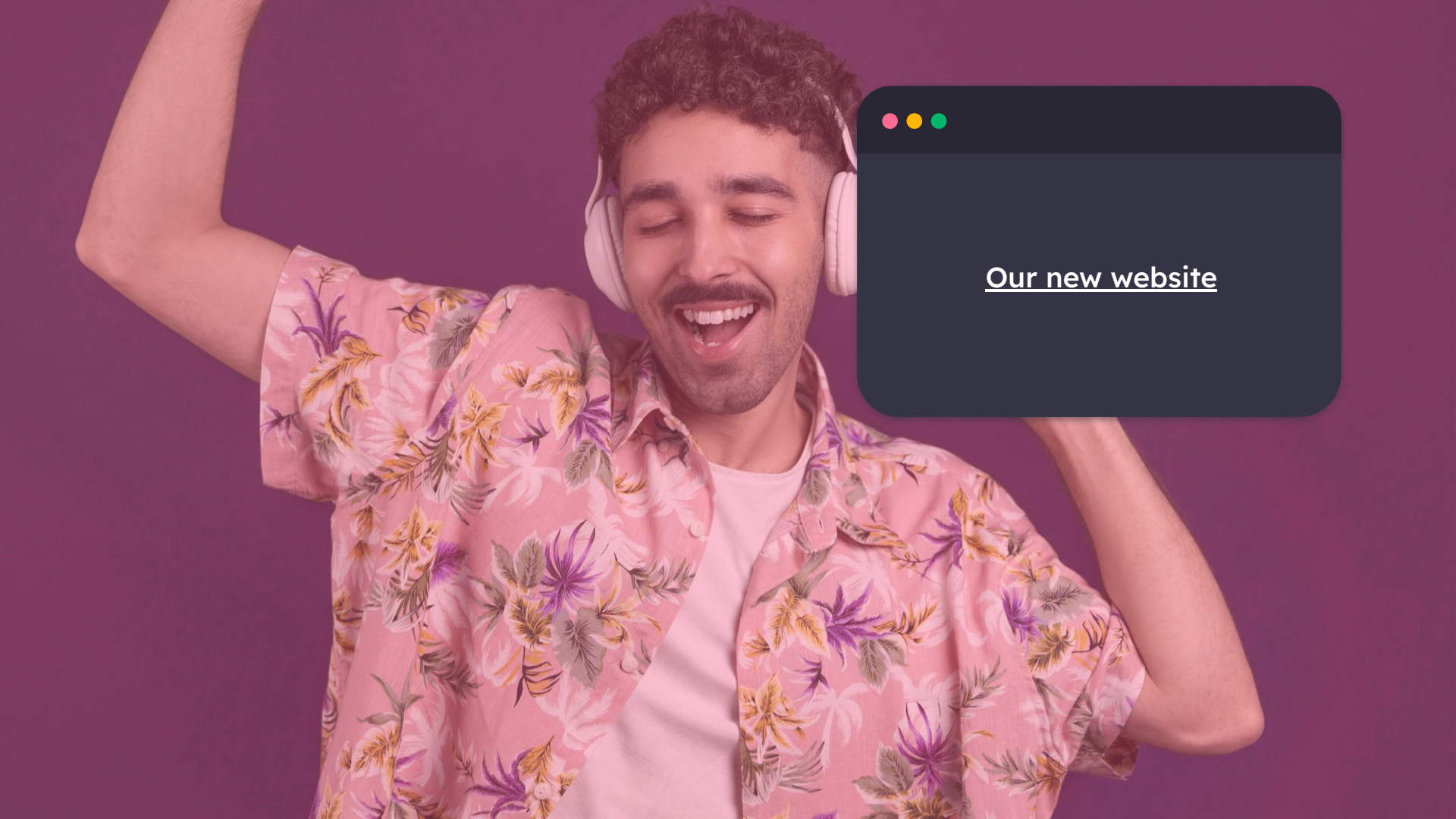
The song recommender




Our new website

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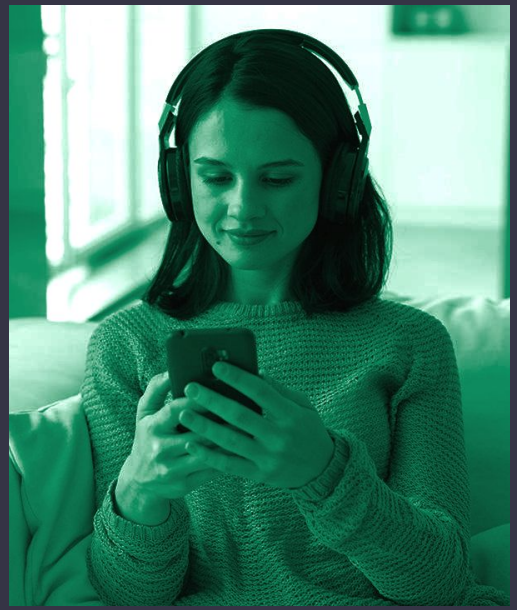
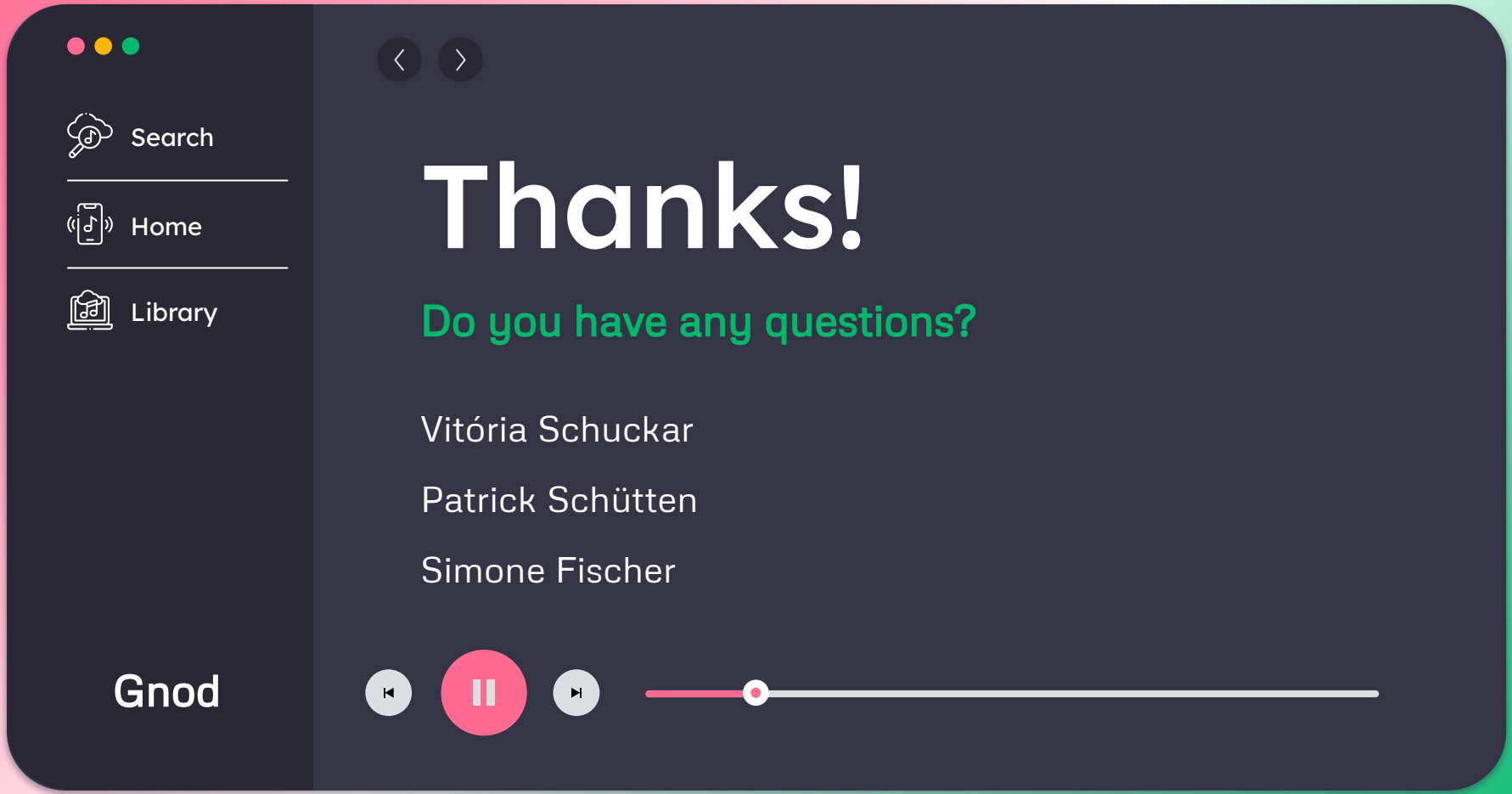
Next steps



- Improve the web application user interface
- Improve the backend code to handle different errors
- Increase the amount of songs available
- Update weekly the hot songs of the moment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Thanks!
Do you have any questions?
Vitória Schuckar
Patrick Schütten
Simone Fischer
Gnod

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