The background is black, featuring a large, irregular green shape in the center. Surrounding this shape are various stylized leaves in shades of green and white, some with black outlines. A thin, light green spiral line winds through the composition, starting from the bottom left and curving upwards towards the top right.

CLEF

CPSC-2350

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Overview



With the growing user-base and variety of music streaming services, users can often switch companies and memberships without any transitional support.



Clef is a web application that helps users transfer playlists between their favourite music services by automating that process.



Clef utilizes public APIs to interact with each music streaming service to pull data and create playlists on the user's behalf.

Chosen APIs

A green, cloud-like shape with a white outline. It is decorated with a green musical note icon on the left, a green leaf and a grey leaf on the top left, and a thin white curved line on the right side.

Spotify API

A green, cloud-like shape with a white outline. It is decorated with a green musical note icon on the left, a green leaf on the bottom left, a grey leaf on the top right, and a thin white curved line on the right side.

Deezer API

Application features

The background is black with several green and yellow-green decorative elements. In the top right, there's a stylized illustration of a hand playing a saxophone. In the bottom left, a hand is shown playing a keyboard. Large, stylized leaves are scattered around the central green area.

01

Authorize user login

User can use their login information to access the service freely.

02

Fetch playlists and songs

Using API it can easily fetch the user information

03

Transfer Data

Users can transfer their data from one source music service to the targeted music service

CI/CD infrastructure



Continuous integration

GitHub Actions



Continuous delivery/deployment

GitHub Pages → Heroku

Project Takeaways



Technology

Choose tech
stack wisely



CI/CD

Take one small
step at a time



Teamwork

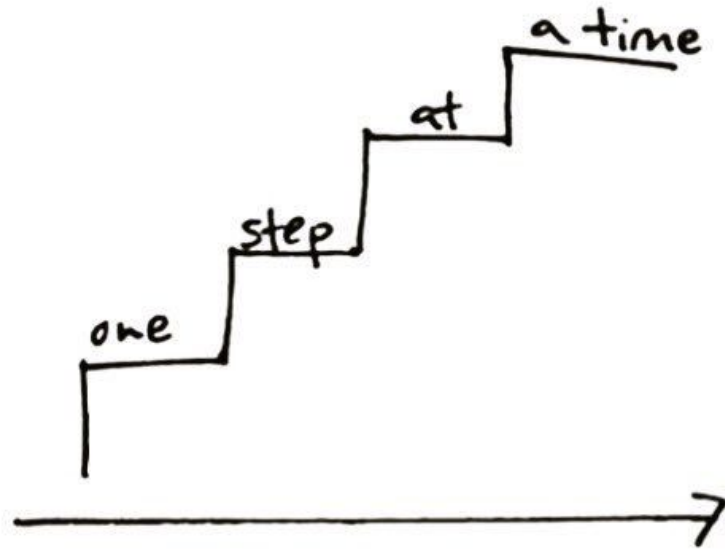
Communication
is key



Project challenges







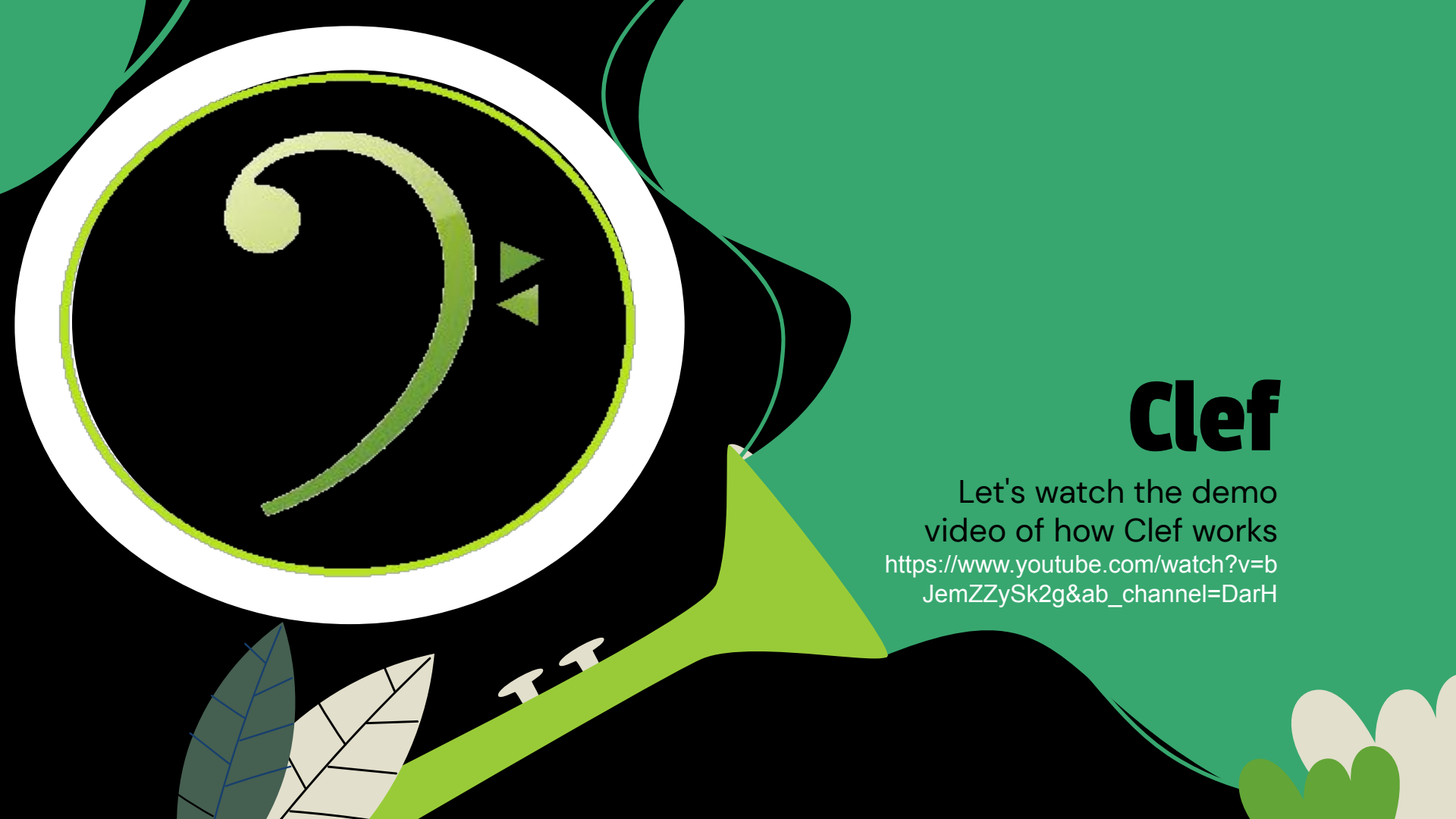
even the slightest
possibility of success











Clef

Let's watch the demo
video of how Clef works

https://www.youtube.com/watch?v=bJemZZySk2g&ab_channel=DarH



Questions

A stylized illustration on a teal background. A person is lying down, with their legs visible on the left and a green leaf-like shape on the right. A large, solid black, irregular shape covers the person's torso and head area. The word "Questions" is written in a bold, teal, sans-serif font across the center of the black shape.

Reference:

Link:

<https://slidesgo.com/theme/music-school#search-music&position-18&results-101>

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