

Description:

Spotify is a music streaming service for users to listen to music. Just like other music services, it comes with a subscription plan that allows users to pay for the full service or to use the very not recommended free version. Users can like songs, albums, and follow artists, which will then appear in their library. They can add songs into their playlists, which will also be part of their library. It can search up songs, artists, and albums and play them with a simple tap or click if they have the premium version. If they do not have the premium version, their features are extremely limited. They cannot play a specific song, instead, the only way they can listen to music is to go to the artist page and shuffle their music, playing very random songs from the artist. Advertisements will play every 10 minutes, annoying the user into buying premium, and are Spotify's infamous yet effective marketing strategy. If the user does not like a song, it is too bad for them, as they can only have 6 skips every hour. With the premium version, they can choose whatever song to play, shuffle an album or an artist, and skip as many times as they want. Being offline makes Spotify literally unusable for free users, as they cannot download music to listen to on the go. Premium users can download anything they want, their liked songs, any of their playlists, any album they want, and without any limitations, so they can download as long as their device has storage

Premium features	Non premium features
<ul style="list-style-type: none">-Shuffle artist-Create playlists-Unlimited skips-No ads-Choose audio quality-Play song of choice-Download music and listen offline-Listening to an artist's new release instantly	<ul style="list-style-type: none">-Shuffle artist-Create playlists-6 skips an hour-Unbearable amount of ads-Poor audio quality-In some cases, waiting for an artist's release to be available for free users

For our program we aim to have some of the features of Spotify including the ability to play and pause songs, store information about the different artists and their songs. We also want the ability to change the song easily. For this we will have the ability to change the text in the program and input any song name that we have downloaded. Ultimately we want to have the ability to play and pause songs and hopefully have the ability to play a album of songs.

Problem Analysis:

The problem that we hope to address with our program is the over complication of many music players. Spotify is a good music player with many features and is the basis for

ours. Our program will be a simple one that plays music through the use of a mini database that stores information about various artists and their discography. We aim to be able to play and pause music easily and have quick responsive access to songs. By using the jaco.mp3 player we are able to upload any songs of our liking to the project folder and play them.

Calendar

☰ Meeting Notes #1-4

☰ Meeting Notes #5

☰ Meeting Notes #6

☰ Meeting Notes #7

☰ Meeting Notes #8

For the version of the program as of June 22 we hope to be able to have seamless play and pause through the use of user input.

For future iterations of the project we hope to have the ability to playthrough different artists albums.

Spotify

Music player with menu and different genres

Able to select different songs and artists based on genre

06/05/22: Came up with the idea and started the agile planning. Also created the proposal

Things done: Create idea and proposal

Things to do: Start writing the code

06/06/22: Started writing the code, added most of the attributes

Things done: Started writing code and added attributes

Things to do: Add features

06/07/22: Added some of the return and mutator methods

Things done: Add mutator methods

Things to do: Add features

06/08/22: Added more mutator methods

Things done: Add mutator methods

Things to do: Add features like pause/play, skip song