

Feature Request: Include Preview Samples For Each Track

December 15th 2021

OBJECTIVE

To give the users the ability to play a preview sample of each track.

BACKGROUND

Currently Jammming provides the ability to search Spotify for songs based on a keyword search. A list of matching songs is provided to the user showing their titles, album names and artist names. The ability to play a sample section of the tracks would allow the user two important functions:

- 1) The ability to confirm that the track they may wish to add to their playlist is the one they are looking for
- 2) The ability to sample other tracks that match the search term that they may not have considered

TECHNICAL DESIGN

Sample Component

A new component **SamplePlayer** will be required. It will render an HTML5 audio element with controls. This component will be rendered by the **App** component, and will be passed a **src** prop that will be the URL of the sample file.

To get the sample file URL we will implement a new method, **Spotify.getPreviewUrl** that will accept a track ID. The track ID will be passed up from the **Track** component on a click event, through the **TrackList** component, through the **SearchResults** component and finally to the **App** component. The **App** component will then call **Spotify.getPreviewUrl** to get the preview URL and

pass it to the **SamplePlayer** component. **Spotify.getPreviewUrl** will use the endpoint documented here <https://developer.spotify.com/documentation/web-api/reference/#/operations/get-track> to get full information about the track, including the preview URL.

CAVEATS

The implementation as described does not include a facility for canceling a previous request for a preview audio file when a new file is requested. This may cause unnecessary requests. Additionally, if one request for a preview file takes a particularly long time, the response may override responses for subsequent requests.