Feature Request: Preview Songs

**April 2nd 2022**

# **OBJECTIVE**

To give users the ability to play a preview of the song they want to add to their Spotify playlist, before they add it.

# **BACKGROUND**

Currently, Jammming supports the ability to add songs to a new playlist, but it doesn’t allow the user to play a preview of the song before they add it. With over 82 million songs on Spotify, there will be songs with the same name which might lead to the wrong songs being added to a new playlist. Therefore it is important the user can preview their song before adding to the playlist.

This feature accomplishes the following:

* Displays a ‘Play’ icon next to each song in the SearchResults
* When ‘Play’ is pressed, a 30 second preview is played
* When ‘Play’ is pressed, the ‘Play’ icon will turn to a ‘Stop’ icon
* After 30 second preview is finished, the ‘Stop’ icon turns to a ‘Play’ icon

# **TECHNICAL DESIGN**

Using the Spotify Web API ‘Get Track’ docs (<https://developer.spotify.com/documentation/web-api/reference/#/operations/get-track>), the ***preview\_url*** string should be obtained.

A *Play/Stop* button should be added to each track (depending on status) that *onClick*, will *Play* or *Stop* the preview.

*What needs to happen:*

1. *The preview\_url needs to be obtained from the SpotifyAPI ‘get-track’*
2. *A ‘preview’ object needs to be added to the “search” method in the Spotify.js and this should pull through the* ***preview\_url***
3. *This needs to then be implemented in the ‘Tracks.js’ file with a ‘preview’ method*
4. *Create a ‘PLAY’ button, that if clicked, turns into ‘PAUSE’ or ‘STOP’ in Tracks.js*
5. *Add an ‘onClick’ attribute with props of ‘preview’ in Tracks.js – this should play the* ***preview\_url***
6. *Add preview to Tracklist.js with ‘preview’={this.preview}*

*For front-end changes, this section will often include design mocks or wireframes to specify how the design of the application needs to be updated.*

# **CAVEATS**

This section is used to lay out alternative solutions and their respective drawbacks, as well as potential drawbacks to the proposed solution above. This is used to make it clear why the technical implementation detailed previously was chosen instead of alternatives. It additionally allows stakeholders or other developers to consider those drawbacks and choose one of the alternate solutions if they prefer it. This may occur if they feel the benefits or drawbacks of that solution are more desirable than the current solution, or if they can identify other benefits and drawbacks not currently listed.