Feature Request: Include preview samples for each track

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**OBJECTIVE**

To give users the ability to preview the tracks after search or from playlist.

**BACKGROUND**

Currently, Jammming allows searching for the tracks based on search keywords entered by the user. After search tracks with matching search criteria will be populated. Before adding tracks to playlist or before saving playlist, if the user wants to listen to the track currently this feature is not available. Using this feature, user can be sure of what tracks are added to the playlist. This feature accomplishes the following:

* Display play option for the tracks in the search list.
* Display play option for tracks in the playlist.
* If the user clicks on play option preview track starts playing
* If the user clicks on play option, pause option will be shown to the user to stop the preview.

**TECHNICAL DESIGN**

**Retrieve preview URL**

With the initial setup which is present with Search & SearchResults & Playlist & Tracks components. The required information is already present. Spotify.js provides the functionality for search & saving playlist. For search Spotify.Search will hit the <https://api.spotify.com/v1/search?type=track&q>= Spotify API and the tracks will be returned.

As of now in the track object contains following attributes (id, name, artist, album, uri) are present. Spotify API returns the tracks, in the returned response of the track will contain **preview\_url** the link for 30 second preview of the track. In Spotify.Search while returning the track object add new property previewurl and fill the data from returned track from api response.

**Track Preview**

In track component we need to add preview option to start playing the track. In track component add a method renderPreview method which will take previewUrl as an arugment. Inside the method check whether preview url is present, if present return the below statement.

<audio src="{previewUrl}" controls> </audio>

The above code adds HTML5 audio control with the controls and sets the track preview url as the source. Audio control provides default button to start and pause preview tracks.

Call the renderPreview() method in Track render method after renderAction, passing the previewurl as an argument. Read this preview url from props track object.

For few tracks it’s possible that preview url might not be present in this case audio control will not be added.

**CAVEATS**

**Custom Audio Control**

In the current implementation, default HTML5 Audio control is used. Instead of using the default control Custom implementation of audio controls like play & pause with new icons can be done. But this requires handling of playing & pausing. For the current requirement default Audio control usage is sufficient.

**New Component for preview**

In the current implementation **Track** **component** renders the preview using default Audio control. When source is set Audio control takes care of play & pause functionality, so the implementation is minimal. If the play & pause are handled by the application then it makes sense to create a separate component handle the functionality in the new component.