

# Jammming - feature request

## OBJECTIVE

Tracks that are added to Playlist remain displayed among search results. Removing tracks added to playlist from search results would provide better user experience.

## BACKGROUND

Data that clutters user interface interferes with seamless user experience. Removing data that appears on two places will ease the effort needed to add additional tracks to playlist by removing potential need for scrolling through search results as tracks already added to playlist do not appear in search results any more. This also means that we have to add tracks that are removed from playlist into search results to insure that searched term does not get “lost” and we do not have any more tracks to add to playlist.

## TECHNICAL DESIGN

In order to achieve desired features we have to implement the following changes. As adding tracks to and removing tracks from playlist is handled by methods in App.js which are called `.addTrack()` and `.removeTrack()` these are the only two methods that need changing.

- Modifying `.addTrack()` method
  - Upon adding track from search results to playlist we have to remove added track from search results. In order to do that we should modify the `searchResults` state by removing added track
  - To remove track from search results we need to determine which one of tracks has to be removed by checking the index of selected track (`this.state.searchResults.indexOf(track)` )
  - That concludes changes needed to remove track from track being displayed in search results

- Modifying *.removeTrack()* method
  - Upon removal of track from playlist track should be displayed in search results. To achieve this we have to modify *searchResults* state to add removed track from playlist to search results
  - This functionality will be achieved by pushing the track being removed from playlist to search results by adding it to the end of current search results
  - This can be done with *this.state.searchResults.push(track)* and updating the current list with *this.setState({ searchResults : this.state.searchResults})*
  - That completes changes needed to add tracks removed from playlist back to search results

## CAVEATS

Potential drawbacks to proposed solution:

- Upon adding all tracks from search results to playlist it may seem that search has not produced any results for requested term
  - This could potentially be addressed by adding notification to user that the search results list was cleared by adding all the results to playlist.
- It is possible to perceive search results as faulty or untrue due to possible manipulation on adding search results for *Term1* to playlist followed by getting results for *Term2* and removing tracks from playlist, as tracks removed from playlist will be added to the end of search results list.